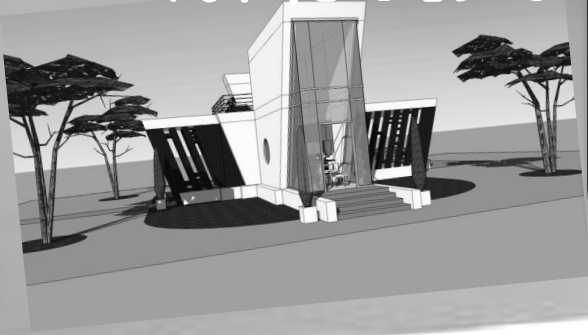


INSPIRED ARCHITECTURE HOME DESIGN



U



T

DAKSH BHALLA/MYP3D/27 OCT 2021



THE PROBLEM

COURTESY OF A STRAND 1

- **What is the problem asking?**

The design problem is asking to constitute a model home for a family in the Bauhaus or Art Deco style. Our job is to keep the heritage from Amsterdam and work with the space we have. In a city like Amsterdam's, the space is very complicated to find, and when you do it is very expensive. Along with that, the problem asks us to preserve the cities rich architectural heritage meaning all the old houses must stay. This is a big problem as Amsterdam's population has escalated dramatically in such a small amount of time and will be more in the future. Even though we will cut the space of each house, the fundamental necessities will still be there, such as bathrooms, bedrooms, a kitchen, and a storage room for washing machines, etc.

- **What are the needs or considerations for your target audience (Observational only)?**

The home I design will have my own family's future needs in mind. It must be a home that can fit a family of 4 (no pets). It can have a maximum of two stories, each floor being the size of 6 m x 9 m which is 54m². The needs will be the small basic necessities that are in my current home, these being bathrooms, bedrooms, a kitchen, and a storage room for washing machines, etc. I will put a focus on the exterior of the building as well as the internal space and its layout.

- **What impacts could the problem be having on the target audience? + Would this issue of space vs heritage be limited to Amsterdam?**

The higher the number of the family members, the larger the house must be. This will cause concern since these days in Amsterdam space is very hard to find. Another thing to take into consideration is the fact that the size (6M x 9M- 2 floors) of the house stays consistent, whether the number of members is 3 or 30. As the designer, it is my job to utilize the space suitably.

RESEARCH PLAN

CRITERION A STRAND II

<u>Research topic</u>	<u>Research questions</u>	<u>Priority</u>	<u>Where do you plan to find this information? (primary/secondary)</u>
Target audience	Who is my target audience? What are their needs? What type of people would look into buying an Art deco/ Bauhaus home?	Low	Primary. I will create a survey on google forms which includes the questions on the left. This way I will be able to find out who would want an Art Deco/ Bauhaus style house.
Art deco / Bauhaus	What is Art Deco? What is Bauhaus? How can you differentiate them?	HIGH	Secondary. I will conduct research online to figure for when I draw designs I will have its specification so it would be according to its style.
Building facades	What are 4 good examples of facades? What kind of facades look aesthetically pleasing? What elements are in a good facade?	Medium	Primary. In the same survey, I will also include the questions about the target market. This way I will be able to examine how should the facades look like?
Amsterdam heritage	What is considered as Amsterdam heritage? Why is the heritage of Amsterdam so important? How old is the heritage of Amsterdam?	HIGH	Secondary. I will research online to figure out the questions on the left. These answers will lead me to fixing the problem of space. This will also help me understand Amsterdams heritage.
Space constraint	How much space do we have? Why is space a problem in Amsterdam? How much area does an average house in Amsterdam have?	Medium	Secondary. I will conduct research online to find out the two questions on the left. With this information, I will be able to create a home with enough spaced out rooms.

PRODUCT ANALYSIS 1 (CURRENT HOME)

CRITERION 1 STRAND 1

Style/Size/Shape: The size of the house is about 6 meters x 9 meters with 3 floors (Each floor with a different size) and a total area of 128 meter². There are two main colors, dark blue and brick red. Both of these are complementary colors because they are both opposites of the color wheel. This makes it eye-catching. The facade is very basic for a Dutch house with red bricks and a dark blue roof.

Architraves: An architrave is a form of a frame that encircles a door or window. In my home, there are architraves on all the windows and doors. There is a dark brown architrave around my front door and a dark blue architrave around all the windows that can open. This can be seen in the 2 photos on the right.

Windows: On the facade, there are a total of 5 windows, 3 of which open and others that are still. On the backside, there are a total of 4 small-sized windows, 2 of which can open, and a big sliding door on the bottom floor. All of these windows are in the shape of a rectangle. There is also a window at the top such as seen in the second photo.

Eaves: An eave is the edge of a roof that acts as a header to shield windows or doorways. On the image on the right, we can observe architraves on the windows on the first and second floors. They have a white railing across the top and bottom of them. The ones to stop rain from coming inside the building and the ones on the base are to give the home a more finished appearance.

Doors: There are four separate groups of doors throughout my house. The main door which is the door used to enter the house, there is only one type of that. At the back of the house, there is a glass sliding door. Then come the common plain white room doors, these are used throughout the house, they are 9 of them in total. In the garden, there is a brown wooden door which there is one of.



PRODUCT ANALYSIS 1 (EXTRA PHOTOS)

CRITERION A STANDARD



PRODUCT ANALYSIS 2 (BAUHAUS)

CRITERION A STRAND III

Style/Size/Shape: The layout of this building is very unique, using a couple of colors and bringing a very modern look. The size of the building is not available however the total area of the school is 5,000 m² and as it is a school it has an estimated space for about 4000 children which is considered a large school. There are 6 floors in the whole building with two main colors, light gray and plain white. Both of these are color gel well as one is dark and the other is light, this makes it pleasant to look at.

Architraves: An architrave is a frame that surrounds a door or window. In this Bauhaus there are no architraves in this building nor are there many in Bauhaus homes. This is due to the fact that Bauhaus's tend to be sleek and very compact with smooth colors. Added architraves would give it lots of color and texture which is something Bauhaus tends to skip.

Windows:

On the facade, there are many small windows such are used to make a large glass hall. On the side, there are a total of 4 small-sized and on the first floor, there are small window panels every other meter, all of these being in the shape of a rectangle.

Eaves:

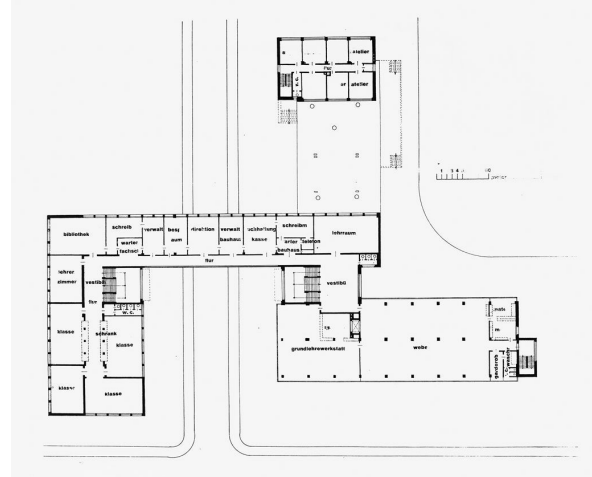
An eave is the edge of a roof that acts as a header to shield windows or doorways. But just like the architraves, they aren't very apparent in Bauhaus's building due to the fact that it's not one of their traits, they can still have them.

Doors:

There are many doors throughout the building, but from what information there is on the internet, we only know about the front door. The front door is dark orange/ brick red and is located on the facade of the building. It used to go in and out of the building and is in the shape of a rectangle.



CRITERION A STRAND III



PRODUCT ANALYSIS 3 (ARTDECO)

CRITERION A STRAND III



Style/Size/Shape: The layout of this house is very unique using a couple of colors and bringing a very modern look. These Art Deco houses have a lot of curves in them which makes them what they are. They also consist of a lot of detail which makes them pop and fun to look at. The size of the house is currently unavailable but it has an estimated space for 4 people. There are a total of 2 floors, with most rooms on the ground floor. The main colors used for the home are plain white and wood brown.

Architraves: An architrave is a frame that surrounds a door or window. In this home, there are no known architraves located. Although this home has no architraves, it is very common for art deco houses to have them.

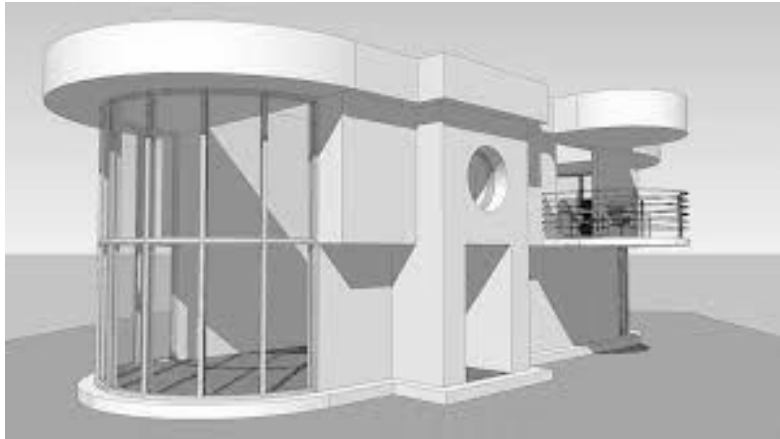
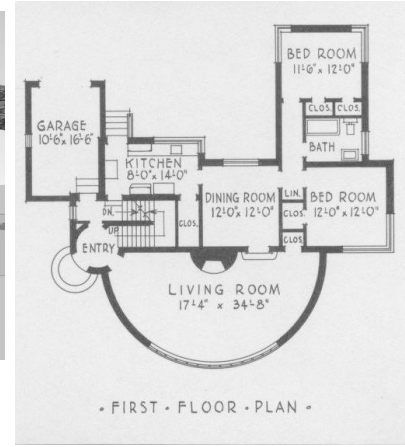
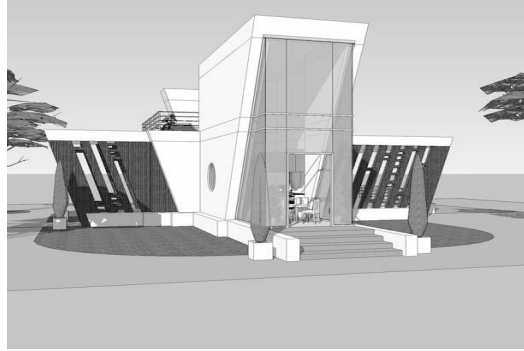
Windows: Art Deco houses are known for their big houses, with a big inside, to make it look like this they use a lot of windows. On the facade, there are many large vertical windows next to the door, the second floor, and on the large architrave. there are also other small horizontal windows across the side of the home.

Eaves: An eave is an overhang that acts as a header to shield windows or doorways. And just like the architraves, they are very apparent in Art Deco homes due to the fact that consist of a lot of interiors and exterior detail which makes them look very pleasing to look at. However, there are no eaves in this house which makes it look clean and sleek.

Doors: Since Art Deco houses consist of many windows, the main entrance door is also made from glass, as well as around it there are many glass plains. However, on the inside, there are plain white doors for safety reasons as well as to give a clean and finished look; All in the shape of rectangles with a standard height of 2.5 meters. As these types of homes are very open their aren't many doors to make the rooms appeal large.

PRODUCT ANALYSIS 3 (EXTRA PHOTOS)

CRITERION 4: FORM AND SITE



DESIGN BRIEF (1/3)

CRITERION A STRAND IV

Topic 1: Target Audience

What have I learned:

After designing a questionnaire to fulfill the three topics, I have determined that the appropriate age to purchase/possess an Art Deco or Bauhaus home is 30. As the space is very minimalistic, there should be at least necessary rooms such as a bedroom(s), bathroom(s), kitchen, living room, and storage room. As I'm researching two styles of buildings (Art Deco and Bauhaus) I must choose which one to make as a final model since I can only produce it out of one style. The majority of the responses would rather invest in a Bauhaus home than an Art Deco house as well as they found a Bauhaus to be more aesthetically pleasing to glance at. (Survey Results in Appendix)

Topic 2: Art Deco / Bauhaus

What have I learned:

The "Art Deco" style was an architectural movement that started back in the 1900s. The Art Deco style influenced the design of furniture, jewelry, fashion, cars, and even movie theatres. But the Art Deco movement was most known for its impact on building and homes. Art Deco mainly focused on detail to home by adding symmetry, geometrical figures, streamlined shapes, which were often simple, yet comprehensive and very pleasing to the eye.

On the other Bauhaus, is also considered the opposite of Art Deco. Bauhaus was also an influential design movement that was created back in 1919 in Germany. The first-ever "Bauhaus" style building was in fact a school with 6 floors and made to accommodate 4000 students. The Bauhaus movement was created with an abstract style featuring aesthetic colors and smooth surfaces.



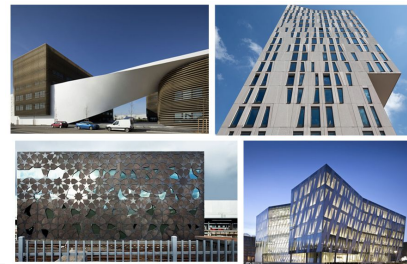
DESIGN BRIEF (2/3)

CRITERION A STRAND SIX

Topic 3: Building facades

What have I learned:

As well as proposing inquiries about "Target Audience" (topic 1) in my survey I also combined questions about "Building Facades". The majority of responses that I got for which building facade is more aesthetically pleasing were for Bauhaus. And this was due to it having many windows and lights, as well as its color scheme. What a satisfying facade needs, are several windows to present large, lights, color schemes that contrast (such as plain white and wood brown), and architraves.



Topic 4: Amsterdam heritage

What have I learned:

When we look at Amsterdam's heritage we go back all the way to the 1700s. The heritage of Amsterdam consists of Amsterdam's famous canals system, also known as the defense line of Amsterdam. The defense line is also a part of the homes. Amsterdam houses are very unique and in fact, they're known as Art Deco style homes due to the immense detail and shapes/ pattern. But most importantly almost every single roof has a unique shape. The reason that all of these elements are important is since Amsterdam houses were very good at utilizing space and transporting items from one place to the other.



DESIGN BRIEF (3/3)

CRITERION A STRAND SIX

Topic 5: Space constraint

What have I learned:

When it comes to Amsterdam, space is extremely limited. And as the designer, it is my job to create a home within the dimensions provided; which is a maximum of 6 meters / 9 meters with a max of 2 floors of 3 meters high each (108m²). This may seem the minimum initially, but this is larger than normal Amsterdam homes. Amsterdam has the smallest houses of all Dutch cities. Average homeowners have about 67m², which is exceedingly small. The reason for this is due to the rising population, which means the Dutch housing shortage is getting worse.



Idea:

My overall approach from my analysis is in its final stages to produce a Bauhaus-styled home to fit a nuclear family of 4 in Amsterdam. I have researched five different topics and created a survey whose data I will apply to structure my Bauhaus-styled home. The main point that I have learned from my research is that my target audience is people of the age of 30 (topic 1), Art Deco homes have lots of detail when Bauhaus tend to be sleek (topic 2), the majority of people enjoy the appearance of Bauhaus more than Art Deco (topic 3), Amsterdam's heritage is very significant (topic 4), and that in Amsterdam, space is extremely limited (topic 5). All of this research will help me to structure my Bauhaus-style home. This is because I now have a clear understanding of why space is sold at such a premium in Amsterdam and why it is necessary to produce a compact home. My research has also influenced me to believe that more people would invest in a Bauhaus due to its smooth appearance and art style in general. And I have been able to learn what are the necessary rooms for a Bauhaus and house in general.

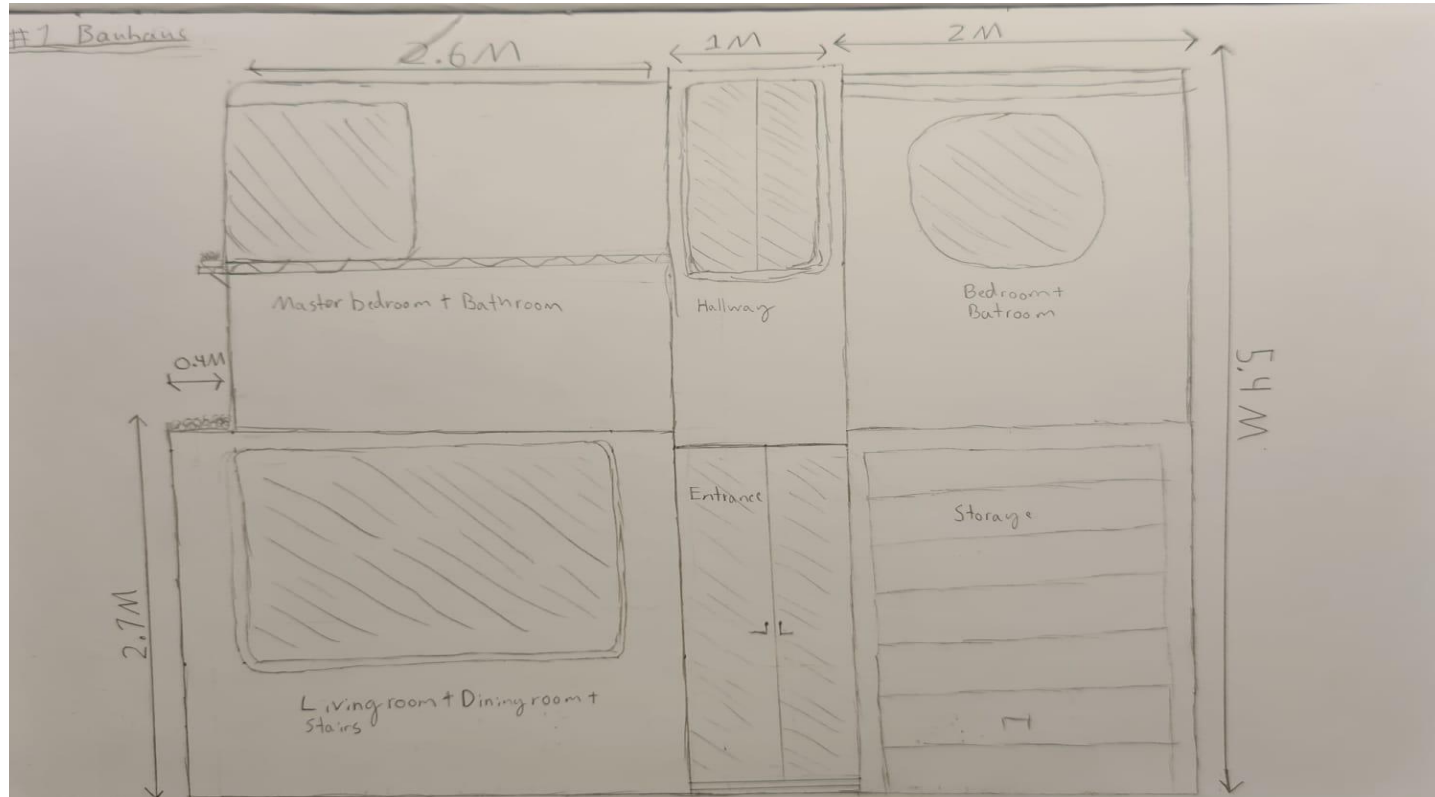
DESIGN SPECIFICATION

CRITERION B: SPECIFICATION

Specification Attribute.	Specification description.
Style/Size/Shape	My model will be based upon Bauhaus style consisting of abstract styles, aesthetic colors, modern architecture, and smooth surfaces. The dimensions will be 6m x 9m x 3m for each floor. Since the house needs to be situated in Amsterdam, it will consist of 2 floors to accommodate a nuclear family of 4.
Architraves	Bauhaus is a simple and elegant home style built using basic geometrical shapes. Architraves are not part of Bauhaus construction and will not be used in my design.
Windows	The windows will be based upon simple geometric shapes like rectangles and squares, without elaborate decorations. They will contain a solid frame to define the look and feel and maintain its strength.
Eaves	An eave is the edge of a roof that acts as a header to shield windows or doorways. But just like the architraves, they aren't very apparent in Bauhaus's buildings. They will not be included in my designs.
Doors	The exterior doors in a Bauhaus are mainly made of wood with a simple design and contain metal handles. The interior doors are mainly simple and are made of glass or wood with simple handles.
Target market	Bauhaus constructed in an area of 108m ² spread across 2 floors is suitable for a nuclear family with basic rooms such as living/dining room, bedroom, kitchen, bathroom. The target audience for my Bauhaus is around 30 years of age which nowadays mainly comprises of a nuclear family of 4.

INITIAL DESIGN SKETCH I

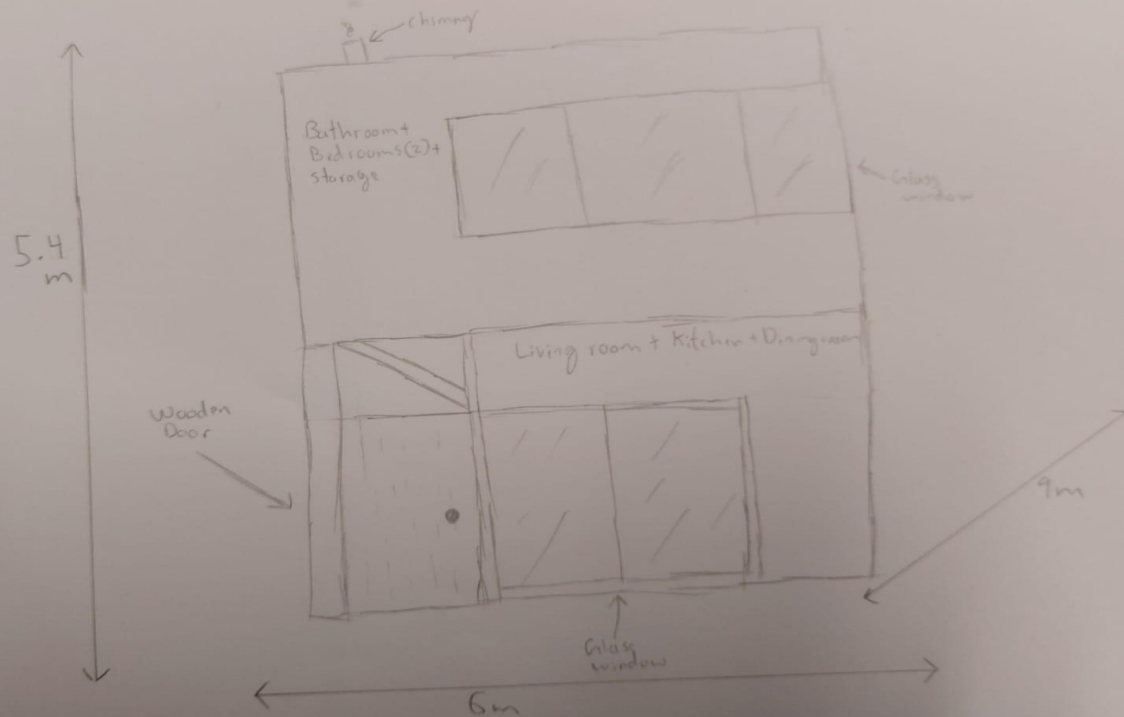
CRITIQUE BY BRAND II



INITIAL DESIGN SKETCH 2

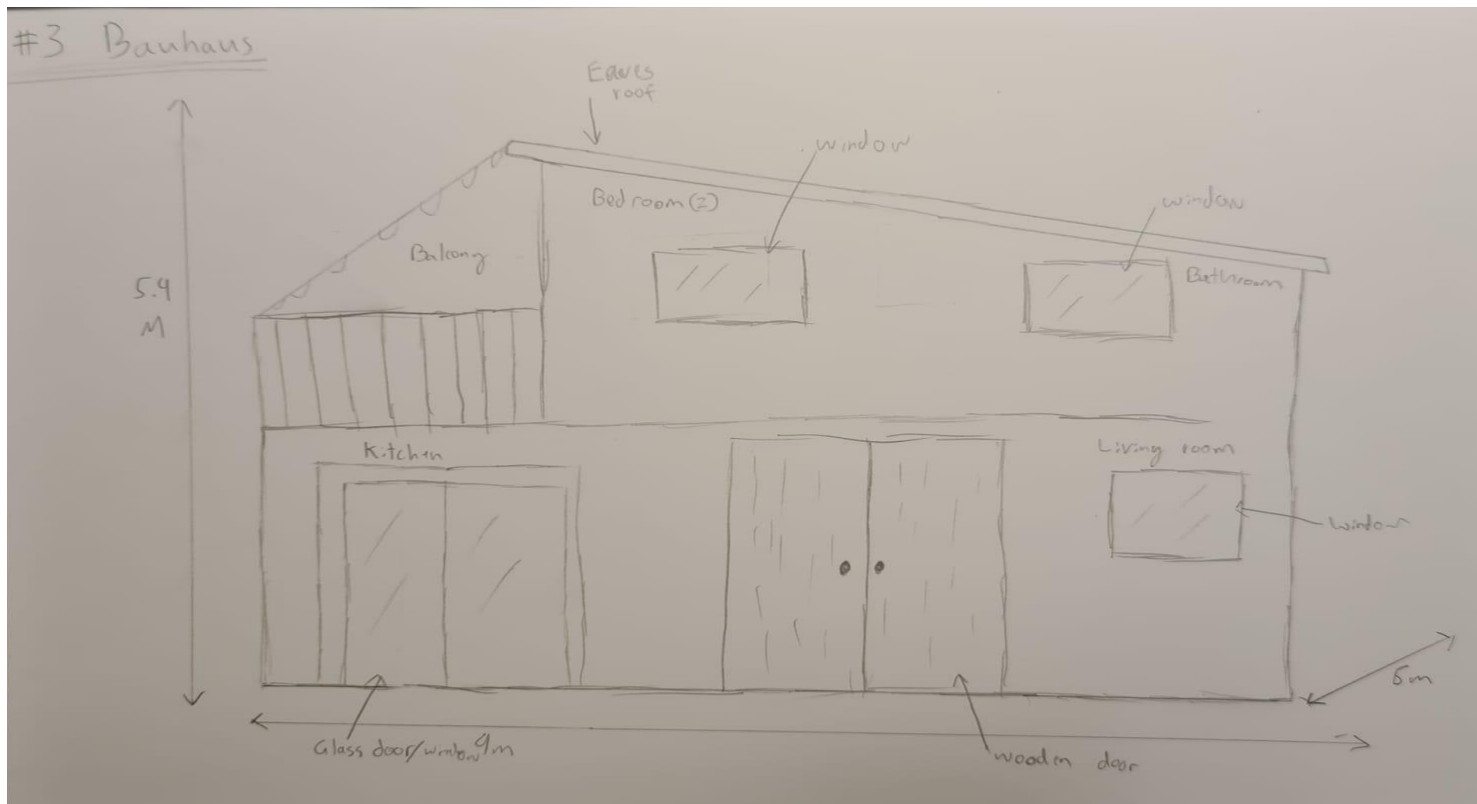
CREATION & SKETCH II

#2 Bauhaus



INITIAL DESIGN SKETCH 3

CRITERION 2 STRAND II



WORKS CITED (1/4)

Works Cited

“Bauhaus Building In Dessau - Data, Photos & Plans - WikiArquitectura.” *WikiArquitectura*, 8 Jan. 2017,

<https://en.wikiarquitectura.com/building/bauhaus-building-in-dessau/>.

“19 Eengezinswoningen In Het Hart Van Amstelveen - PDF Gratis Download.” *PDF Gratis Download*, DocPlayer.nl,

<https://docplayer.nl/67893881-19-eengezinswoningen-in-het-hart-van-amstelveen.html>. Accessed 27 Oct. 2021.

Artist. “Art Deco Movement Overview.” *The Art Story*, The Art Story Foundation, 1 Jan. 2021, <https://www.theartstory.org/movement/art-deco/>.

Author. “Bauhaus Dessau.” *Depositphotos*, . Depositphotos, 1 Jan. 2009, <https://depositphotos.com/35595057/stock-photo-bauhaus-dessau.html>.

“Bauhaus Dessau.” *Brick Architect*, Tom Alphin, 30 July 2015, <https://brickarchitect.com/2015/bauhaus-dessau/>.

“Building Of Staatliches Bauhaus In Dessau | Walter Gropius | Data + Photos + Plans.” *Blogger*, ArtChist, 20 Feb. 2015,

<https://artchist.blogspot.com/2015/02/edificio-de-la-bauhaus-walter-gropius.html>.

Canals Of Amsterdam. Amsterdam TM, 1 Jan. 2021, <https://amsterdam.org/en/canals-of-amsterdam.php>.

WORKS CITED (2/4)

Djekic, Zoran. "Typical Amsterdam Houses At Night BY Zoran Djekic." *Stocksy United*, <https://www.stocksy.com/2010793/typical-amsterdam-houses-at-night>.

Accessed 27 Oct. 2021.

European Commission. "The New European Bauhaus In A Nutshell." *YouTube*, 29 Apr. 2021, <https://www.youtube.com/watch?v=WAZNgoKTms8>.

Future, Rethinking The. "20 Creative Building Façades For Commercial Buildings Around The World." *RTF*, Rethinking Internet Media Pvt, 11 July 2019,

<https://www.re-thinkingthefuture.com/article/a254-20-creative-building-facades-for-commercial-buildings-around-the-world/>.

History Editors. "Bauhaus." *History*, A&E Television Networks, 10 Aug. 2017, <https://www.history.com/topics/art-history/bauhaus>.

Hunker. "The Story Of Art Deco." *YouTube*, 23 May 2018, <https://www.youtube.com/watch?v=OK2L5UiDWCs>.

is no stranger to the art deco style., Perth. "7 Ways To Spot A Modern Art Deco Home Design | Oswald Homes." *Oswald Homes*,

<https://www.oswaldhomes.com.au/home-ideas/building-advice/7-ways-spot-modern-art-deco-home-design>. Accessed 27 Oct. 2021.

Kouadria, Hayet. "Pin On Nour." *Pinterest*, 22 June 2011, <https://www.pinterest.co.uk/pin/772789617278845475/>.

Lalor, Ailish. "WHY Is There A Housing Shortage In The Netherlands? The Dutch Housing Crisis Explained." *DutchReview*, 11 Sept. 2021,

WORKS CITED (3/4)

Netherlands, Statistics. “Small And Relatively Expensive Housing In Amsterdam.” *Centraal Bureau Voor de Statistiek, CBS*, 7 Apr. 2016,

<https://www.cbs.nl/en-gb/news/2016/14/small-and-relatively-expensive-housing-in-amsterdam>.

Plitt, Tatjana. “Deco House | Mihaly Slocombe Architects | Archello.” *Archello*, Archello Voorwaarden Privacy, 1 Jan. 2021,

<https://archello.com/nl/project/deco-house>.

S., Robert. “Art Deco House.” *Sketchup 3D Warehouse*, Trimble, 18 Dec. 2015,

<https://3dwarehouse.sketchup.com/model/uc0167877-7ab5-4da8-9aa3-49d03cbb44b3/ART-DECO-HOUSE?hl=nl>.

---. “Art Deco House #2.” *Sketchup 3D Warehouse*, Trimble, 25 Apr. 2016,

<https://3dwarehouse.sketchup.com/model/de6afaca-3da2-4a9d-86bd-d89cd243106f/ART-DECO-HOUSE-2>.

---. “Bauhaus Modern Home #7.” *Sketchup 3D Warehouse*, Trimble, 16 June 2016,

<https://3dwarehouse.sketchup.com/model/1cbbf0dd-ff46-4c37-9275-3f567d345df8/BAUHAUS-MODERN-HOME-7>.

served as the Los Angeles-based field editor of Preservation magazine. She enjoys writing, Lauren Walser. “A Brief History Of Bauhaus Architecture | National

WORKS CITED (4/4)

Sherman, Tiffani. "Rare Art Deco Home For Sale In The Heart of Denver For \$810K." *Real Estate News &*, National Association of REALTORS, 22 July 2020, <https://www.realtor.com/news/unique-homes/art-deco-home-for-sale-in-denver/>.

to Wikimedia projects, Contributors. "University." *Wikimedia Foundation*, 26 July 2005, https://en.wikipedia.org/wiki/Bauhaus_University,_Weimar.

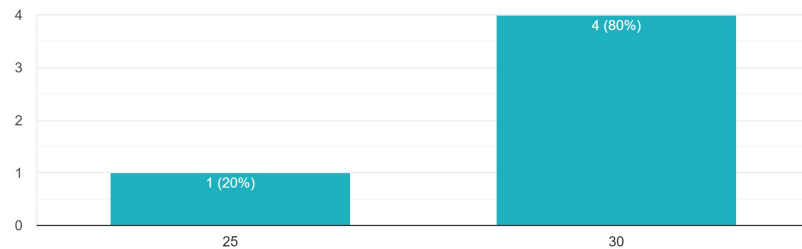
Van, Ria. "Art-Deco-Floor-Plan." *Pinterest*, 12 May 2019, <https://nl.pinterest.com/pin/85779567890287387/>.

Yasonya. "The Amsterdam Canal Houses: 300 Years Old And Still Standing." *Professional Builder*, 16 Jan. 2020, <https://www.probuilder.com/amsterdam-canal-houses-300-years-old-and-still-standing>.

APPENDIX (1/4)

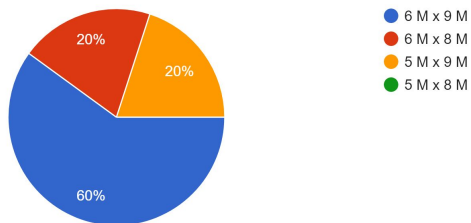
At what age would you buy an Art Deco or Bauhaus home? (ANSWER WITH NUMBERS ONLY)

5 responses



What sized house would you give to a family of 4? (2 Floors)

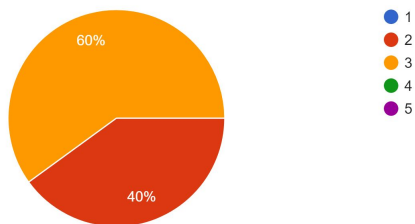
5 responses



APPENDIX (2/4)

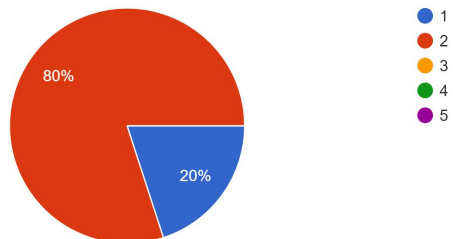
How many bedroom(s) would you give to a family of 4?

5 responses



How many bathroom(s) would you give to a family of 4?

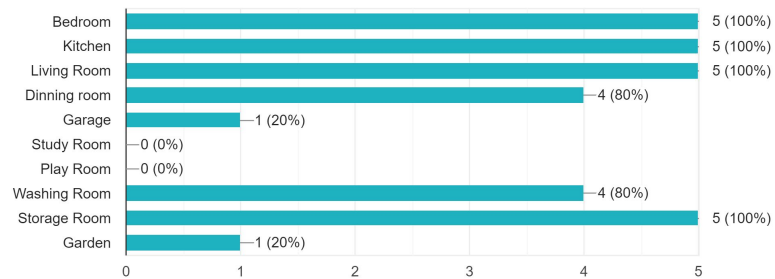
5 responses



APPENDIX (3/4)

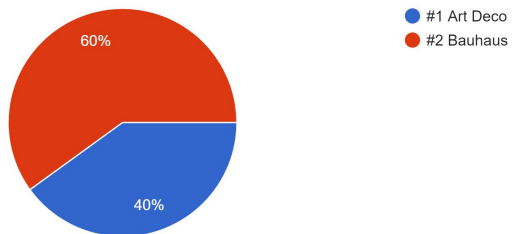
What would the basic requirements be for a home of 4?

5 responses



Look at the following two homes: What home would you want to invest in?

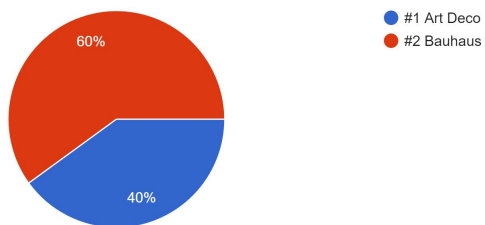
5 responses



APPENDIX (4/4)

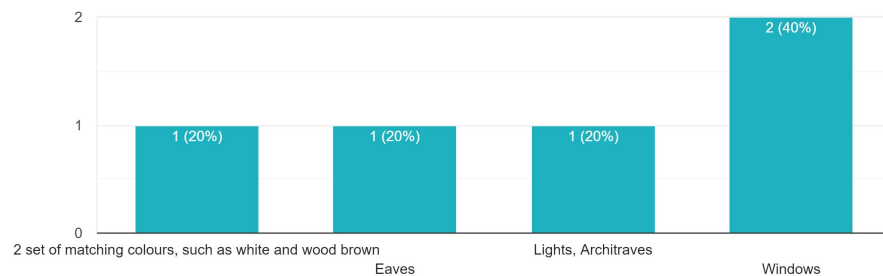
Look at the following two homes: What kind of facades look aesthetically pleasing?

5 responses



Look at the following two homes: What elements look good in a facade?

5 responses





INSPIRED ARCHITECTURE

HOME DESIGN

DAKSH BHALLA/MYP3D/16 FEB/ 2021



JUSTIFY THE CHOSEN DESIGN SELECTION

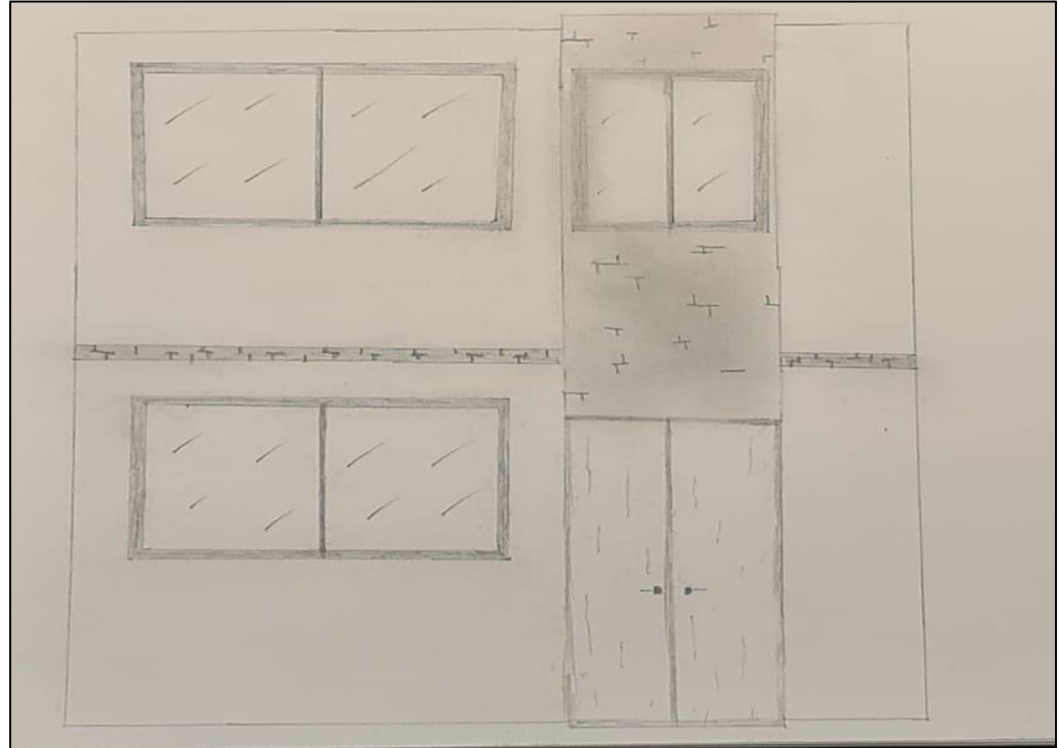
CRITERION 8: FEASIBILITY

<u>Specification</u>	<u>Design 1</u>	<u>Design 2</u>	<u>Design 3</u>
Style/Size/Shape	9/10	6/10	8/10
Architraves	7/10	8/10	7/10
Windows	8/10	9/10	7/10
Eaves	8/10	8/10	7/10
Doors	9/10	6/10	10/10
Target market	10/10	10/10	10/10
<u>Scores total</u>	<i>51/60</i>	<i>47/10</i>	<i>49/50</i>
<u>Reason for final selection</u>	Based upon my design selection above, Design 1 received the maximum points. I will go ahead with Design 1, as it is most resemblant to the style of Bauhaus. Another reason is that it is very feasible and plausible to be put in an Amsterdam styles location with a few changes. The home can be placed in narrow Amsterdam areas.		

CHOSEN IMPROVED DESIGN SKETCH

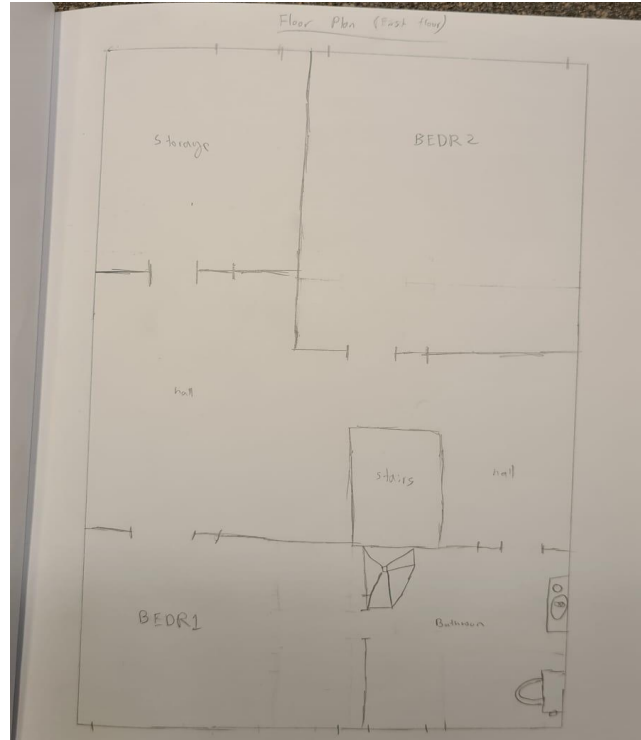
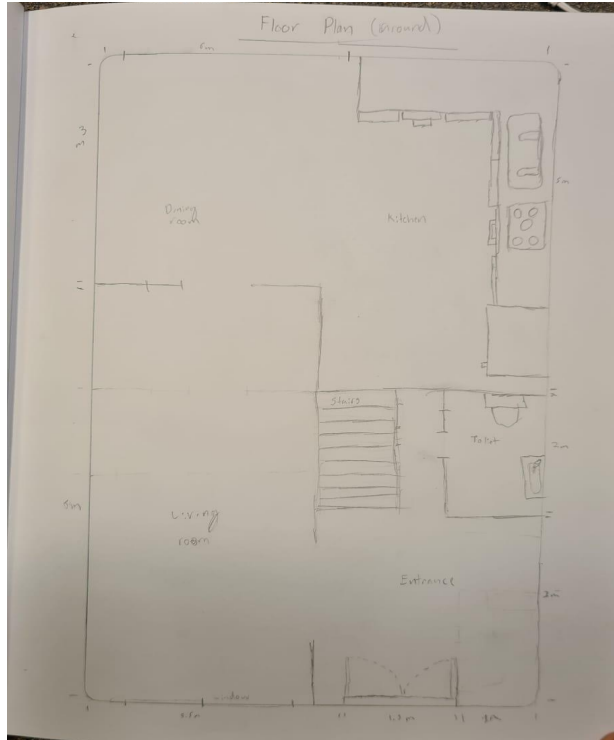
CATERCON B STRAND III

On the right side is my final and improved design. As seen from the previous slide, I have chosen design 1 to be my final design. The scale that I have used for the image on right is 1:40. The height and width being 15 cm, which is real life would be 6 meters. Looking back at the first design it is visible that middle and left side of the home have been used. I changed the right side as looking back at my specification, I was working on conserving space, adding a garage would not be necessary which is why it has been taken for this design.



PLANNING DRAWINGS

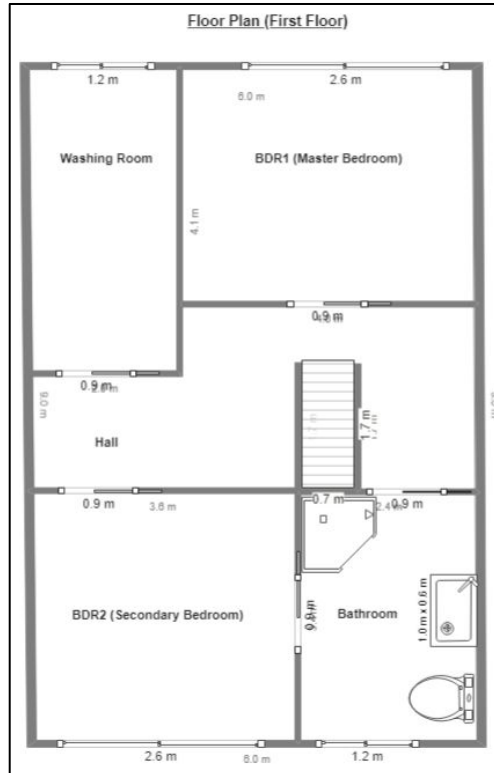
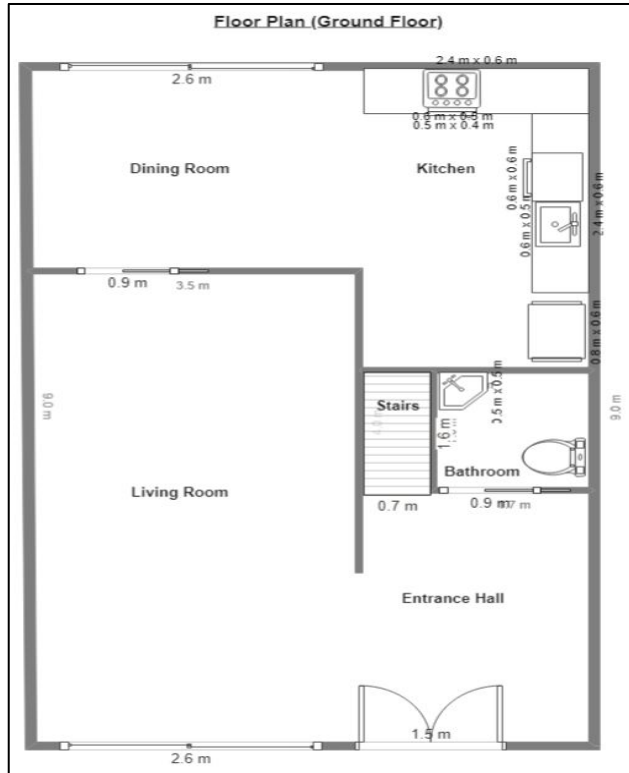
CRITERION 8 SKETCH



On the left side are my draft floor plan drawings which I shall use to construct me home. As seen from the previous slide, I have added my final and proper chosen design mockup. The two floor plans on the left reflect them with its overall facade look. These images are **not** to scale however I shall use these to render an accurate and too scale floor plan that will represent the facade shown on the previous page.

FINAL FLOOR PLAN

CRITERION B STRAND IV



The two renders on the left are proper **to scale** mockups of the images on the previous page (Click renders for eDraw view). The first image is a floor plan of the ground floor and the second being a render of the first floor. As in a pre set home you will already find a fully built in kitchen system as well as bathroom which is why they are pre placed in this floor plan. The rest of the placement of objects in the home will be added in the next unit when we study 'interior design'.

MANUFACTURING PLAN (1/2)

JEFFERSON C STRAND I

<u>Steps/Tasks</u>	<u>Description of steps/tasks</u>	<u>Resources required</u>	<u>Time expected</u>
1 Print Base	The first stage to construct the residence is to print out both foundation plans (file name "Print Scale Floor Plan").	1. Printer 2. "Print Scale Floor Plan"	10 Minutes
2 Gather Material	To manufacture the residence, we must also gather all the materials for the following steps. There is a list of what I must gather on the right-hand side.	1. Cardboard 2. Glue Gun 3. Cutting board 4. Exacto knife 5. Pencil 6. Ruler	10 Minutes
3 Paste floor plan	Once all the materials have been gathered, it is best to past the floor plans on the cardboard and cut the extra cardboard out.	1. Cardboard 2. Exacto Knife 3. Cutting Board 4. Ruler 5. Pencil	25 Minutes
4 Cut all outside walls to 1:40 scale	Once all the material has been gathered, accumulate all the material on the side from the collection and cut the cardboard into its 1:40 scale. Utilize the floor plan and supplied dimensions.	1. Cardboard 2. Exacto Knife 3. Cutting Board	45 Minutes
5 Cut doors and windows out	When the large sides are made, cut out the entrance to construct an opening operation, as well as produce cut outs in the walls to act as windows in the residence.	1. Cardboard 2. Exacto Knife 3. Cutting Board	60 Minutes

MANUFACTURING PLAN (2/2)

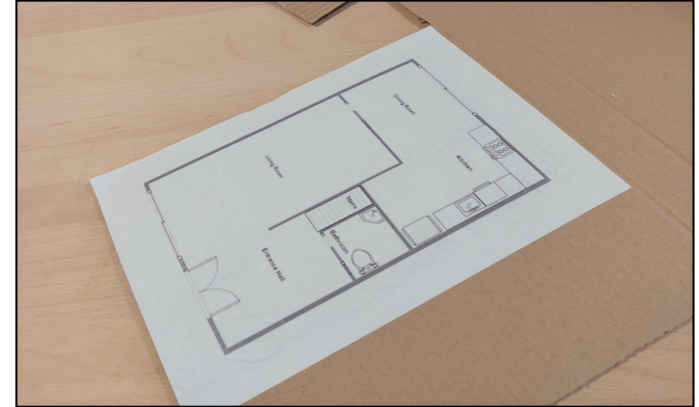
CATTERTON C STRAND 1

<u>Steps/Tasks</u>	<u>Description of steps/tasks</u>	<u>Resources required</u>	<u>Time expected</u>
6 Assemble the walls with the base	Once all the small details have been painted, assemble the walls to the base, Keep note that one of the walls must not be added as we need to see inside. Stick the walls and roof to the base with superglue and use tape on the inside to secure it.	1. Cardboard walls 2. Base 3. Super Glue / hot glue gun	30 Min
7 Roof	Once the whole area is complete, create a roof for your home as well as small stilts to keep your home in place.	1. Cardboard 2. Exacto Knife 3. Cutting Board 4. Ruler 5. Pencil	20 Min
8 Quality Control	The last step to the manufacturing plan is the quality check. A quality check must be done so that it does not break on later in the line. In order to do this, we must see if all the areas are dry or not, and check if all functions are working, such as the door and if the inside is visible enough.	1. Final Home Product	10 Min
9 Photos	Once your final product has been created, take photos of it for your survey. Make sure during the making photos are taken to record your process.	1. Final Home Product 2. Camera	10 Min
<u>Total time</u>	220 Min Abt. 5 Periods		

MAKING OF FINAL PRODUCT (1/5)

CRITERION C STRAND II

<u>Steps</u>	<u>Description</u>
1 Print Base	The first step was to print out the floor plan with the printer, which was a simple and quick process. The overall time for this was ten minutes, which I thought was a reasonable amount of time because I completed on time. As you can see on the side, I've placed my paper on the cardboard and am now ready to cut it around.
2 Gather Material	The following stage was to gather all of the additional materials required to construct the house. I set aside 10 minutes for this, which I was able to complete.



MAKING OF FINAL PRODUCT (2/5)

CRITERION C STRAND II

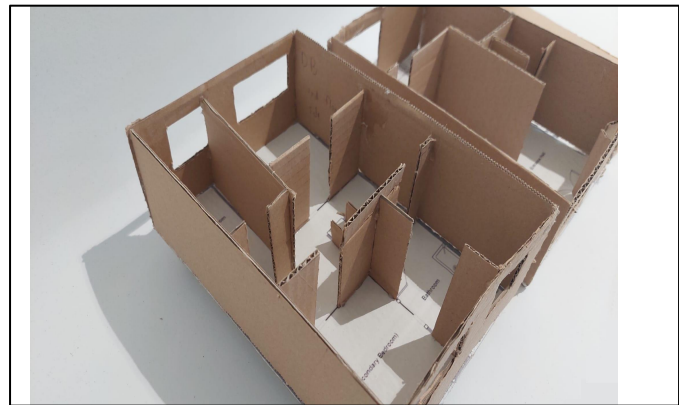
<u>Steps</u>	<u>Description</u>
3 Paste floor plan	When all of the items were ready, it was time to put them to use. It was now time to glue the two floor plans to the cardboard and cut them out. I allocated myself 25 minutes to complete this task, which was a reasonable amount of time. When it came to laying out the floor layout, it was done gently. However, after a period of drying, it developed several creases, which were unappealing. I'll put less glue on the base the next time to address this. This problem occurred on both of my floors, and I need to repair it the next time because I want the model to look nice.
4 Cut all outside walls to 1:40 scale	It was time to build the house's walls after the base floor had been completed. I set myself 45 minutes to finish this project. However, I was able to finish it in under 35 minutes. I applied the procedure that was taught to us, in which I pressed down on the ruler and sliced three times with the exacto knife. This should smooth things out. However, it was a little wonky at first because I didn't know how to cut it out properly. What I've learned from this is that, for future projects, it's critical to understand the technique on a draft before moving on to the final, as this could cause the final result to be messed up.



MAKING OF FINAL PRODUCT (3/5)

CRITERION C STRAND II

<u>Steps</u>	<u>Description</u>
5 Cut doors and windows out	Cutting the doors and windows out of the walls was the next phase. I gave myself 60 minutes to accomplish this phase as it had a lot more dimensions than regular rectangular walls, making it more difficult to cut. I thought this to be somewhat difficult at first because I was new to it, but after a few tries, I was able to get the hang of it. However, I miscalculated the sizes for some of the windows, causing them to deviate from my floor plan. This was not a good thing because it changed a lot of things with just one minor modification. To counter this, I'll use and double check the property and label, then cut to get a whole product next time.
6 Assemble the walls with the base	It was my responsibility to put each wall on top of its appropriate floor plan once all of the walls were built and had their functionalities ready, such as opening doors or sliding windows. I set myself 30 minutes to finish this project. I was able to finish this work in the time allotted. I found using the Hot Glue Gun to be extremely easy and simple, but it was a little challenging at first because the base was bent, resulting in holes. And there's a lot of adhesive in certain spots. To avoid this happening again, I'll have to bend the cardboard back to make it flat. The reason this happened in the first place was because there was too much adhesive applied to the base and the paper.



MAKING OF FINAL PRODUCT (4/5)

CRITERION C STRAND II

<u>Steps</u>	<u>Description</u>
7 Roof	The creation of a roof for the home is one of the final tasks in the construction process. I set aside 20 minutes for this, which was more than enough time. The roof was designed to have the same size as the floor (6m*9m). This was not a problem, however I did make a mistake where I did not cut a straight line at one point, resulting in a skewed roof. To correct this the next time, I'll have to be more careful with the exacto knife. This was the final step in the construction of the house. Although I am pleased with the final outcome, there are still a few stages to do.
8 Quality Control	A quality check is the second and final step in completing the manufacturing plan. I set aside 10 minutes to complete this work, which I was able to complete. All of the glue had dried, all of the cardboard bits had vanished, and the house was safe and secure. In addition, I built little stilts in each corner of the second story and roof to keep the home connected and prevent it from collapsing. My house was completely finished and ready for photos once this phase was completed.



MAKING OF FINAL PRODUCT (5/5)

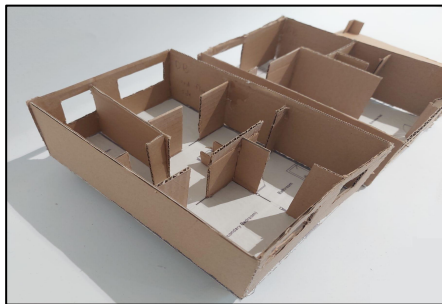
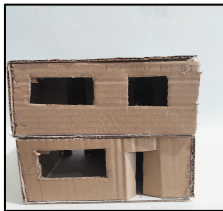
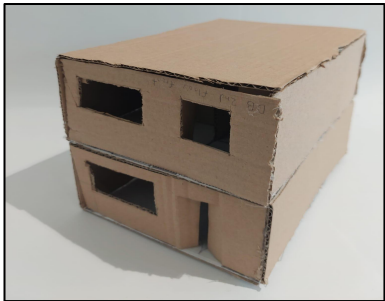
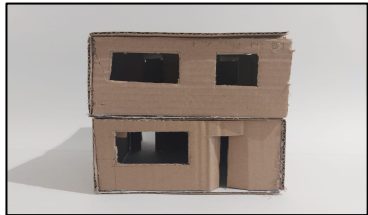
CRITERION C STRAND II

<u>Steps</u>	<u>Description</u>
9 Photos	To develop our survey, we'll need to take high-quality images, which is the final step in the production process. I set myself 10 minutes to take the shots, and I was able to complete them in that time. To achieve that depth of field, I photographed these on a bent white A3 paper. However, there was very little professional lighting, and the sealing lights were the only thing that took away the effect. To avoid this happening again, I'll use two lights, one on the right and one on the left, to cast no shadows and block off all natural light.



MAKING OF FINAL PRODUCT

EXTERIOR C STRAND III



FINAL PRODUCT CHANGES

CRITERION 2: 20% of

Looking back at my original specification as well as my floor plan, there are two things that has been changed:

1. One point being that the doors on the inside are locked. Looking at my floor layout, I specified that I would utilize sliding doors on the inside, and I stated in my original specification that Bauhaus doors are typically made of glass. Because I'm designing a Bahus, I've included sliding glass doors in my model. The three different situations are depicted in the photographs below. I've attached a snapshot of my specification in the table below, where I indicate that there must be glass doors indoors, which I haven't included in the floor layout. They are typical sliding doors, as seen in the floor plan. Glass doors, however, are used in the final product (This can be seen as for a glass door the door is up till the roof, and for a regular sliding door it would only till about 2 meters). This is something I've decided to do since I'd like to incorporate all Bauhaus stereotypes.

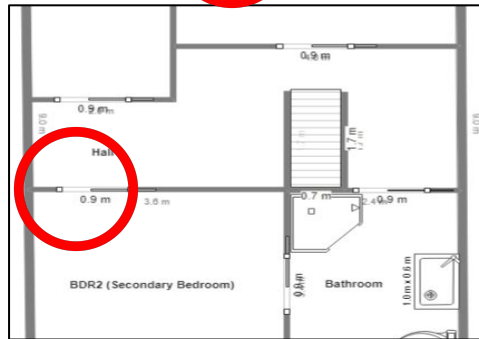
Doors

The exterior doors in a Bauhaus are mainly made of wood with a simple design and contain metal handles. The interior doors are mainly simple and are made of glass or wood with simple handles.

2.



3.



2. The house's construction did not go as anticipated. It intended it to be really sleek and neat, but because to a lack of time, there were a lot of additional cardboard fragments that I couldn't get rid of. To solve this the next time, I'll cut it properly the first time so it's smooth and time is saved.

DESIGN TESTING METHODS (1/4)

CRITERION D STRAND 1



Product Design Survey - Inspired Architecture Home design

- Daksh Bhalla

Our task was to create a home based on our current family size and needs to fit in Amsterdam. I have created this 1:40 scale model representing what I would want it to look like. I have attached photos of the model below.

Could you please take 2 minutes of your time to fill this multiple choice form in :)

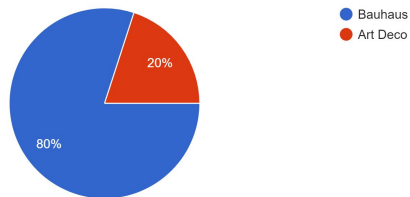
In order to get create my testing method, I have created a Product Design Survey covering 5 different questions about my home. In it I have attached several photos and both floor plans as well as a short paragraph about our task. Each of the questions are multiple choice.

Form: [Product Design Survey - Inspired Architecture Home design](#)

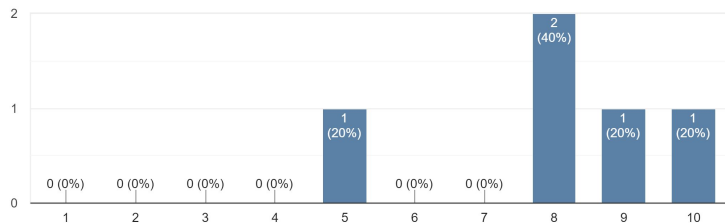
DESIGN TESTING METHODS (2/4)

CRITERION D STRAND I

From the Images above, which style of home do you think my home is, 'Bauhaus' or 'Art Deco' ?
5 responses



On a scale of 1-10 how well do you think that I achieve the style of your chosen answer from the previous question?
5 responses



For the first question of my survey, I revisited the original question I had when studying this unit: Bauhaus or Art Deco? Most people believe that my home has a Bauhaus style, based on the majority of responses. However, one person continues to believe that my design is an Art Deco home. I'm not sure why this is the outcome, but in future projects, I need to make it a point to cover every stereotype about a current event.

~~My survey second question is connected to the first.~~

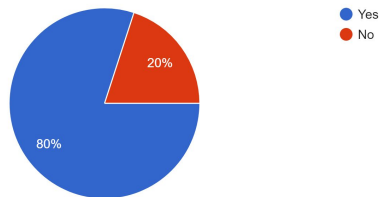
The majority of folks think I've done a good job of representing the Bauhaus. However, others believe I have not targeted it sufficiently. This is the same as the one who selected Art Deco, because my goal was never to establish a Bauhaus. However, the general appearance and floor plan received excellent comments. There may be a few minor adjustments to the floor plan, which I've included in the "Product Improvements" slide.

DESIGN TESTING METHODS (3/4)

CRITERION D STRAND I

Do you think that this final design would fit well within Amsterdam's existing streets?

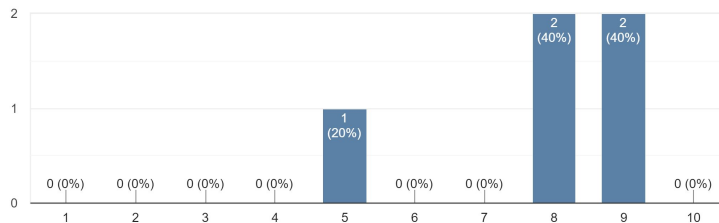
5 responses



The third question in my survey was created so that I could determine whether or not I am capable of addressing the need, which is whether or not my home will be able to fit into Amsterdam. The majority of people agree that the home will be able to fit. However, according to one review, it does not. This is due to the home's length, which is only 6 meters wide. In Amsterdam, most houses are small. However, I designed it so that the facade is fashioned like a square. Nonetheless, I did this to make the most of the available area.

On a scale from 1 to 10, how well do you think that this home can accommodate 2 adults, 1 teenager and 1 child?

5 responses



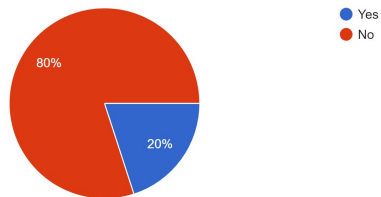
The home's suitability for a family of four is the fourth question I have added in my survey. The majority of reviewers believe it is suitable for a family of four, however one reviewer believes it is not. This is most likely because there are just two bedrooms for a family of four. It is not a good idea to put a youngster and a teenager in the same room. On the "Product Improvements" slide, I'll fix this for my new design. To avoid this in the future, I'll have to examine the target market to check if the audience's needs are met by my offering.

DESIGN TESTING METHODS (4/4)

CRITERION D STRAND I

Does the cardboard model resemble any recognizable or famous existing buildings?

5 responses



The final question was whether my house looked like any other well-known structure. The vast majority of respondents responded that it does not. This is good since I want my work to stand out. According to one observer, it resembles a well-known structure. This could simply be a very basic structure with no rigid architecture, as they view it. To address this and make it more unique the next time, I'll add more slopes and more detail than just a generic rectangle structure.



SUCCESS OF THE SOLUTION (1/2)

CRITERION D STRAND II

Specification	Score x /10	Explanation with evidence
Style/Size/Shape	8/10	In my specification I have written down that the shape of my home shall be rectangular and $6*6*9m^3$. Which I have done successfully, however I have not fully created the rooms to fit a family of four meaning the shaping is not well done. I have fixed this in my "Product Improvements" slide.
Architraves	10/10	(I have not included architraves in this model) The only note that I have given in my specification is that no architraves will be used in my model home. Which is why I have not implanted any, and have fully followed that step correctly.
Windows	8/10	I have followed the steps of my specification were I stated that I would make the windows square or rectangular. However I gave myself the limit of only making them still frames. Which later on didn't work, as I needed for the windows to be able to open.
Eaves	10/10	(I have not included eaves in this model)The only note that I have given in my specification is that no eaves will be used in my model home. Which is why I have not implanted any, and have fully followed that step correctly.
Doors	9/10	In my specification I stated that my front doors would be created from wood, and the inside doors made from glass, this I have successfully done. However I have made them glass in all areas, meaning the toilet as well. This is not idle which is why I must fix this in the next iteration.

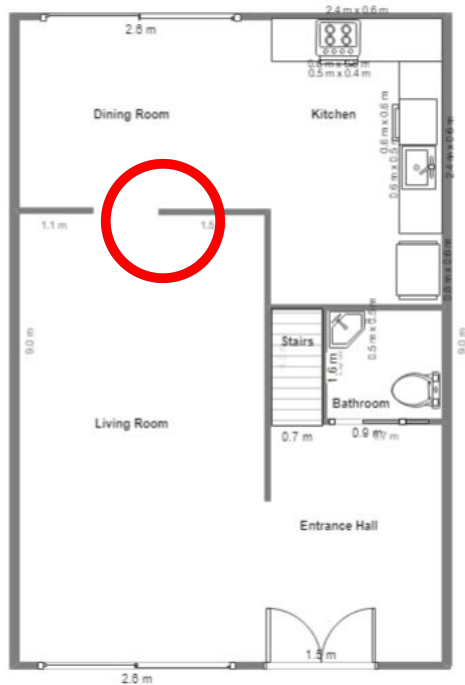


Specification	Score x /10	Explanation with evidence
Target Market	7/10	I have followed most of the steps in the case of target audience, however I have only added 2 bedrooms which is not ideal as stated before. To fix this in the future I shall keep the target market in mind when creating a model/representation.
Full Score	52/60	

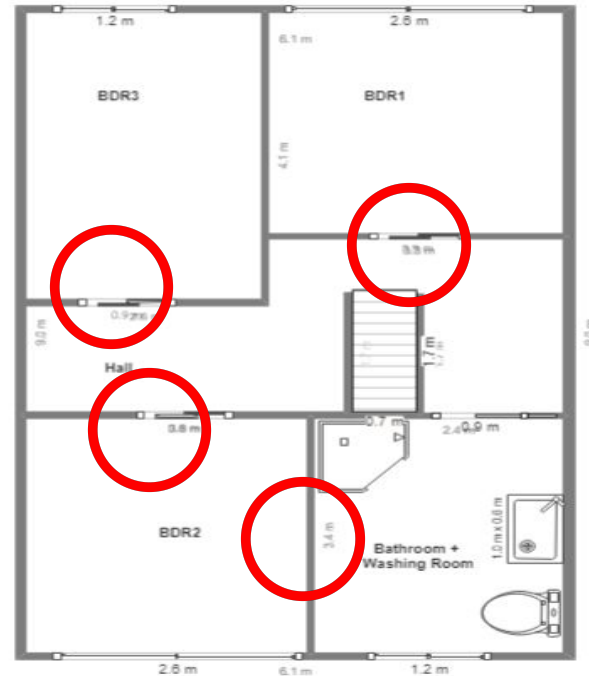
PRODUCT IMPROVEMENTS

CAPTAIN D. GRAND III

Floor Plan (Ground Floor)



Floor Plan (First Floor)



My two Improved floor plan products are on the side (Circles are the things that have been changed). On the first floor, there aren't many improvements. I recently removed the living room door because I want my home to seem magnificent. On the other hand, on the second level, I've installed a new bedroom and modified the room sizes. With the exception of the bathroom door, BDR1 and BDR2 are now roughly the same size, and all of the doors have been replaced with glass sliding doors. The laundry room has been expanded and is now known as BDR3. The washing machine has been relocated to the bathroom.



IMPACT OF THE SOLUTION

CREDENTIALED SKILLS

1. Ask each member of your family (if you have a small family you need to elaborate on this yourself as well) what kind of effect living in this new house design would have on their daily lives? (Written in their view point)
 - a. Mom:
 - i. Looking at these new designs, it is definitely smaller than our current house, however it will be a lot easier for cleaning and there's enough space for each child, and both parents to have their own room now.
 - b. Dad:
 - i. The new design is very spacious however compact compared to our current house. There's enough space for each person and a big enough kitchen. However when it comes to having guests over, there is not much space to give around.
 - c. Sister (6 years old):
 - i. With this new design I am able to have my own room as well as my brother. This will be a positive thing however there is now only one bathroom so now it will take more time to now get ready.
2. Based on the answers to the 1st question, do you now think that overall this new design would have a negative or positive impact on your family? Explain your reasoning
 - a. Looking at the results from above, this new design can have both a positive impact as well as a negative one.
 - i. In terms of positivity:
 1. Me and my sister now have more personal space for ourselves as we both have different bedrooms.
 2. The living room is very spacious making it free to walk in and out.
 3. The Bauhaus look makes our house seem large and modern.
 - ii. In terms of negativity:
 1. There is only one bathroom which means that will slow down productivity
 2. There are not many extra rooms such as a study room or storage room.
 3. This new design is smaller in area than our current home.
3. Based on this exercise (in designing your own home with such limited sizes and requirements to meet a design movement), do you now further appreciate your current living space and standards? Explain your answer.
 - a. I am grateful for my current living situation because it provides me with enough of free space to move around and is not crowded. There are also more rooms available, such as a study room and a guest room, if someone wishes to remain the night. My current requirements are for two bathrooms and additional space for various activities. However, the vast majority of homes do not have this luxury. I believe the size of our home (6*6*9 M) is an acceptable number for a property in Amsterdam, and I would be glad to live there.



WORKS CITED

Works Cited

Ellwood, Mark. "How Amsterdam Is Solving Its Overtourism Problem." *Condé Nast Traveler*, Condé Nast Traveler, 19 Oct. 2017,
www.cntraveler.com/story/how-amsterdam-is-solving-its-overtourism-problem.

<https://www.edrawmax.com/online/en/>

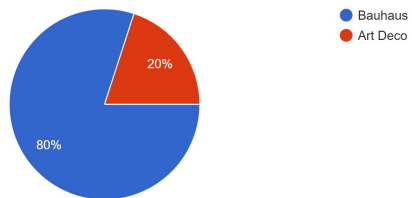
<https://www.edrawmax.com/online/share.html?code=bedc145252ae11eca6890a951ba8b83d>

<https://forms.gle/umWpwm8xo3iw5JKR7>

APPENDIX (1/3)

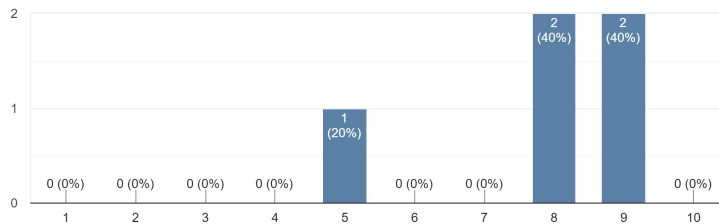
From the Images above, which style of home do you think my home is, 'Bauhaus' or 'Art Deco' ?

5 responses



On a scale from 1 to 10, how well do you think that this home can accommodate 2 adults, 1 teenager and 1 child?

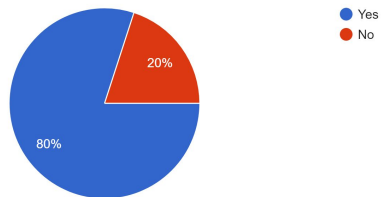
5 responses



APPENDIX (2/3)

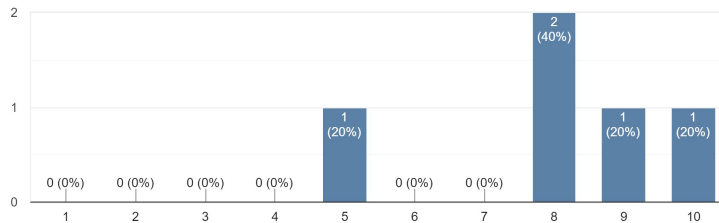
Do you think that this final design would fit well within Amsterdam's existing streets?

5 responses



On a scale of 1-10 how well do you think that I achieve the style of your chosen answer from the previous question?

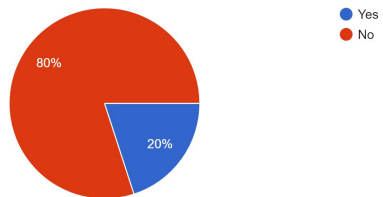
5 responses



APPENDIX (3/3)

Does the cardboard model resemble any recognizable or famous existing buildings?

5 responses





INTERIOR DESIGN

DAKSH BHALLA/MYP3D/DESIGN



- **What is the problem really asking you to do?**

In the previous unit, we were tasked with creating a 3D model of our family; centered on either the Bauhaus or Art Deco themes. In my situation, I designed my home in the Bauhaus style. During this unit's study, we must construct an interior design for our floor plan. This residence must be designed with my family's preferences in mind, and it must maintain a decent mix between aesthetics and functionality. We as the designer must use the 7 interior design elements in mind when we undergo the process of creating the interior of the home. Along with that research on how different elements come together to create a pleasing looking room / area. The main problem this unit is asking is "How must we **combine both features and aesthetics** to fit our **target audiences needs?**".

- **What could some of the needs or considerations for your client (your family) be?**

By the end of this unit, we must have produced a 3D rendered interior based on my home created in the previous unit, it must meet the needs of my family, examine interior design principles, and aim to incorporate design principles. As the space is very minimal, there should be at least necessary rooms such as bedroom/s, a bathroom/s, a kitchen, a living room, and a storage room. Since we are a family of 4 there must at least be 2 or 3 bedrooms and 1 or 2 bathrooms. Otherwise there are no special needs that our family needs in this home.

- **How can you incorporate all different wants needs and ideas into a well-balanced design?**

To develop a well-rounded home with both aesthetics and utility, I must first identify the important characteristics that are required for my target market (my family), which will cover the functionality, and then build an aesthetic design around it. The different principles of design show us that in order to create a well balanced design and include the needs of the audience, the colors, the texture, and space must all be in balance. A survey will be created in order to understand exactly what my target audience wants and needs within their home. I will also conduct a secondary research where I shall learn about the different styles / designs that modern Bauhaus homes can have.

- **What are interior design principles and how do you incorporate them into my design?**

Balance, emphasis, contrast, rhythm, size and proportion, harmony and unity, and details are the seven design concepts (pepecalderindesign). When it comes to designing the interior of a home, all of these ideas are applied; they work well together to generate a sustainable design that is both aesthetic and functional (tilen). I'll combine this by thoroughly researching each point and learning how to appropriately use each effect until I attain my goal. Throughout the design process, I shall question my customer if the house meets their needs.

- **Why would you need to consider both good interior design principles and the needs of your client? (Your family)**

I must consider both using the interior design principles as well as listening to the client's needs as it is my job to create a good-looking suitable home for my target audience. And I must capture their needs and be able to implement them within the home, as well as make the home look aesthetic. Since the home shall be theirs at the end it must come with all the necessary features and needs that they need to live a lifestyle.

RESEARCH PLAN

<u>Research topic</u>	<u>Research questions</u>	<u>Priority</u>	<u>Where do you plan to find this information? (primary/secondary)</u>
Target Audience	What are the needs of my target audience? Who is my target audience?	Low I must create a home according to their specifications, however I already have most of this information from last unit.	Primary I plan to create a survey and pitch it to my audience containing the necessary questions.
Interior Design principles	What are the 7 Interior Design principles? Which ones are in my target audience's needs?	High The main things when it comes to creating a home is to be able to understand how to blend the home together which is why I must understand the basic Interior Design principles.	Secondary & Primary As the questions that I will be researching are based on the opinion of my target audience, I will figure out the Interior design principles and further on create a survey.
Interior Design Styles	What are the most popular Interior Design Styles? Which Interior Design Styles appeal to my target audience the most?	High Along with the Interior Design Principles I must research the style as well. I must consider these styles and understand how my target audience wants their home to look like.	Secondary & Primary Just as the principles, the style questions are also based upon the response of my target audience, I shall present a survey were I will gather my information.
Features	What are the standard features in Bauhaus homes? Which one of these appeal to my target audience the most?	Mid I have some general knowledge on what some key features are. However I must research these topics in depth in order to figure out the balance I need to create between features and aesthetics.	Secondary & Primary Within that same survey I shall add the specific questions needed, and along with that research on the internet what some features of homes are.
Aesthetics	Does my target audience want more aesthetics or features? What is the color scheme that my target audience want?	Mid Along with the interior design styles, I must research different types of aesthetics, in depth in order to figure out the balance I need to create between features and aesthetics.	Primary Along with the above topics, I will include the questions on the side within my survey to get a general review of what my target audience wants in terms of their needs.

PRODUCT ANALYSIS 1

CRITERION A STRAND III

Name of room/ space: Living Room

- 1) My family and I are not fully pleased with the interior of our current home, hence we are planning to renovate the entire structure. The arrangement of objects in the living room is well spread out with enough negative space to walk around. However, the room's color scheme and style appear out of place since they don't match. Moreover, several of the items in it, such as the dark blue fluffy carpet, do not seem good. Another example is that there is no contrast between the lightly coloured tiles and the white tv cabinets.
- 2) The living room is primarily used to rest, where it is possible to play a board game or watch TV. On rare occasions, we will arrange mattresses so that if a friend comes over, they will have someplace to sleep. The area is also used to play for the little sister.
- 3) In terms of the living room, there aren't many requirements that my target market must meet; nonetheless, there must be enough space to relax and seating for at least four people. And there must be a large amount of negative space between the couch and the television.
- 4) My family and I do not have any hobbies, activities, or collections that must be accommodated in the room; instead, there are only minor objects that are utilized on a daily basis, such as a box/table with blankets for when it is cold.
- 5) The colours that are used are white, cream and dark blue are the most commonly used. Some bright colours are used to for the cushions and paintings. These colours look nice separately however when put together the colours do not gel.
- 6) Currently, the material of the tiles in this room and across my home is ceramic with a wooden appearance. However majority of the room / home is made with MDF other than the couch which is made from leather and carpet from wool.
- 7) I am primarily drawn to two different types, the first of which is Scandinavian Interior Design because their color style is extremely clean; they primarily consist of pastel colors, which I believe to be quite appealing. I also like Modern Interior Design since it fits the job of Bauhaus very well and nicely executes the 7 interior design concepts. Some of the ideas from these two design types are already used within our room.
- 8) Currently, our home only uses the space element as it takes account into both 2D and 3D space and is able to execute it properly.

PRODUCT ANALYSIS 2 (1/2)

CRITERION A STRAND 11

Name of room/ space: Living Room

1) The major role of this room is to rest in; the general style of this room is very light/ bright, with a combination of pastel hues, which is also what my home's target audience is striving for.

2) The room is decorated primarily in pastel colors such as orange, yellow, and cream, and it has a very colorful appearance. Other hues employed in the area include light brown and grey, which add contrast to the space. These elicit positive thoughts since they are bright and symbolize safety.

3) The space I'm analyzing is mostly made up of geometric shapes, but there are some organic-shaped objects, such as the light and stool in the corner. The majority of the things have sharp edges, and none of them are curved.

4) Most of the light is natural, the lighting creates a really pleasant atmosphere. The wide window on the rear end of the room provides most of the light, with the exception of a tall lamp close to the couch. Further than that, no other lighting systems can be seen.



(Livingetc, 10 January 2021)

PRODUCT ANALYSIS 2 (2/2)

CRITERION A STRAIGHT LINES

Name of room/ space: Living Room

5) This room's lines are all smooth, straight lines. They are all geometric shapes that complement one another. Straight lines can also be found in the patterns on the couch and in the painting area. Moving about the room is straightforward because there is a lot of open space and all of the objects complement each other effectively.

6) There aren't many patterns in the space, but there are plenty of abstract elements. The carpet, for example, has no precise pattern but has a sense of color and depth. The majority of these hues are warm pastels. These offer ambiance to the room by bringing it to life, which is vital because the room would otherwise look stale and lack contrast.

7) Aside from the couch, carpet, and wall paint, the space has mostly flat textures. These fluffy textures add vibrancy and coziness to the space. They do collaborate with the other areas of the room.

8) The things in the room are fairly far apart, allowing for a lot of empty space, and the arrangement is very effective. It gives me a sense of freedom because there is lots of room to go around. This applies for the both 2D and 3D space as everything is streamline.



(Livingetc, 10 January 2021)

PRODUCT ANALYSIS 3 (1/2)

CRITERION A STRAND 11

Name of room/ space: Study Room

1) This room's purpose is to study, and it also has a closet on the side to store closed items. The overall style is quite simple, with light vibrant colors and a blend of pastel colors, which is precisely what my home's target demographic is looking for.

2) The room is adorned mostly in pastel colors, such as brilliant yellow, and has a lively aspect. Other colors used in the space are light wood brown for the table, chair, and bookshelf, which creates a contrast to the space. Since they are bright and represent safety, they evoke happy emotions. The plain white and oak wood texture complement each other as their colours match well.

3) The space I'm looking at is largely made up of geometric shapes, although there are some organic-shaped elements, such as the table and window. The majority of the items have sharp edges and are not curved.

4) From the picture on the side, it is clear that most of the light that is being emitted is from artificial sources. These being sources such as the LED strip within the closet as well as the shelf above the table and the, desk lamp on the table. The only natural source of light in the photo is the window on the left side of the room. All artificial sources are using warm accents of light giving it a cozy feeling.



(Designcafe)

PRODUCT ANALYSIS 3 (2/2)

CRITERION 4 STRAND 1.1

Name of room/ space: Study Room

5) Throughout the room all of the lines are both vertical and horizontal. The room is based on simple geometric shapes such as rectangles and squares. Within these two base shapes two colours are used, plain white and oak wood which gives texture. This gives a bit of a dynamic look.

6) There is not much pattern visible within the room other than the use of colour. Both are used in a balance and none are overused to much. Since they both complement each other the designers have used a type of alternating pattern for the colours. Such as the closet it is white and bookshelf next to it is oak brown, the table is plain white and the chair is oak brown, and wall side panel is light oak brown and uses a plain white bar to give contrast. This offers ambience to the room.

7) In terms of texture there is none used in this room, this is since the only material that seems to be used is MDF which has no texture. Nevertheless this still works with the pattern since over the MDF they have used PLY to create a texture of wood.

8) Looking at this room from a 2D perspective, there is enough space to walk around, however things are placed more over to the side giving a lot of negative space in the middle and none in the corner and walls. In terms of 3D space the height is used accordingly to fit the necessary items of a Study Room.



(Designcafe)

DESIGN BRIEF (1/5)

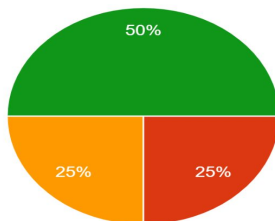
INTERIOR A STRAND TV

Topic 1: Target Audience

From the **Primary** research that I have conducted I have come to the conclusion that my **target audience is my family**. Since I am creating this home for them I have created a survey that includes the information of what their main needs are. I submitted this form to my mom, dad, sister and filmed the form in myself. From the data I am able to see that their needs are that the home must include **light pastel shade colours** with some contrast. There need is for it to be either in the **Modern Interior Design**, or **Scandinavian Interior Design**. All of this information shall be useful as since the home is being designed for their needs, I am able to use this information while designing the interior of the home. (The images on the side are the graphs used to gather the information above, nevertheless all graphs are also in the appendix).

What category do you fall into?

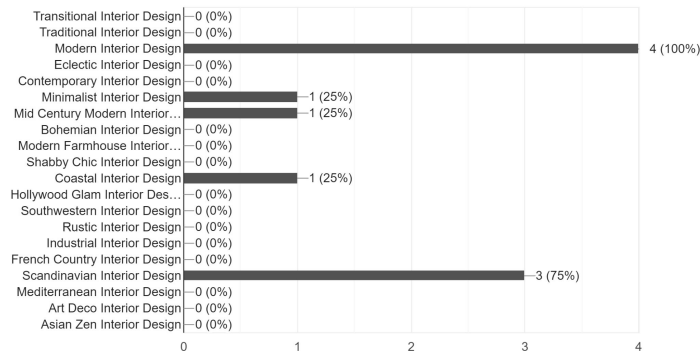
4 responses



- Infant (0-4)
- Child (5-12)
- Teenager (13 - 17)
- Adult (18+)
- Senior Citizen (60+)

The following options are the 20 most popular Interior Design Styles of 2022, which ones do you feel would be most appealing to you? (Pick atleast 2)

4 responses



Topic 2: Interior Design principles

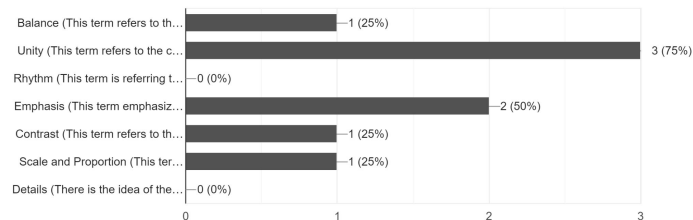
From the **Primary and Secondary** research that I have conducted I have come to the conclusion that the **7 different Interior Design principles** are:

- ❑ Balance (This term refers to the process of ensuring that the items within a room are evenly distributed, this thus creates a sense of balance in the design.)
- ❑ Unity (This term refers to the concept that emphasizes a sense of uniformity among design aspects. The normally have comparable colours, patterns, or textures, equal spacing of objects, or repetition of pieces.)
- ❑ Rhythm (This term is referring to the fact of how when we look at multiple objects at once our brains try to find repetition and recognises similar objects quickly. Hence, rhythm is focused on producing repetition and contrast in an interior.)
- ❑ Emphasis (This term emphasizes the importance of having one core element as the main focus of each room / area. And the surrounding objects should be complimenting it.)
- ❑ Contrast (This term refers to the contrast between two or more objects, it is generated by combining two or more highly different forms.)
- ❑ Scale and Proportion (This term refers all to ratio, it is a very important principle as the size and dimensions of objects in a room should be proportional to one another so that they do not appear out of place.)
- ❑ Details (There is the idea of the details, which emphasizes that the slightest elements. They are the tiny details, such as stitches, cabinet handles, framed artworks etc

From the 7 types that I have researched the majority of the target audience (my family) believes that the home must contain **Unity**, and **Emphasis**.

There are a total of 7 different Interior Design principles, which ones would you want for your homes interior most to follow? (Pick atleast 2)

4 responses



DESIGN BRIEF (3/5)

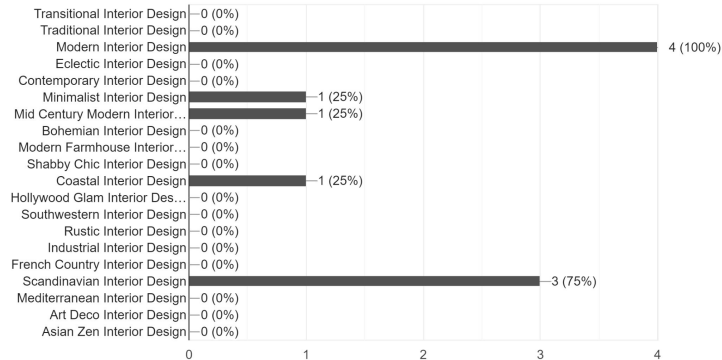
INTERIOR A STRAND IV

Topic 3: Interior Design Styles

From the **Primary and Secondary** research that I have conducted I have come to the conclusion that there are a total of 20 Interior Design styles that are popular in the year 2022. those being the ones written in the graph under this. Majority of the target audience feels that the most appealing interior design styles are both **Modern Interior Design**, and **Scandinavian Interior Design**. With this information I shall use a combination of these two in order to create a final interior for my home.

The following options are the 20 most popular Interior Design Styles of 2022, which ones do you feel would be most appealing to you? (Pick atleast 2)

4 responses



(DECORAID)

(YOURMAP,
19 JUNE 2018)



Topic 4: Features

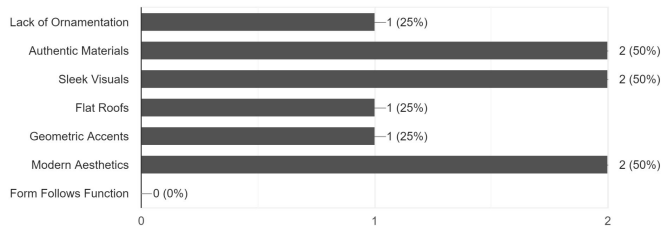
From the **Primary and Secondary** research that I have conducted I have come to the conclusion that there are a total of 7 Bauhaus features that are most commonly used, those are:

- ☐ Lack of Ornamentation
- ☐ Authentic Materials
- ☐ Sleek Visuals
- ☐ Flat Roofs
- ☐ Geometric Accents
- ☐ Modern Aesthetics
- ☐ Form Follows Function

From the above 7, the target audience is mainly interested within **Modern Aesthetics**, **Sleek Visuals** and **Authentic Materials**. This shall be useful as when creating the interior I will add these features as the target audience requires it.

The following concepts are 7 main Bauhaus features that can be used to style a home, which ones would you want for your home to focus on / include? (Pick atleast 2)

4 responses



Both images (Luxchase)

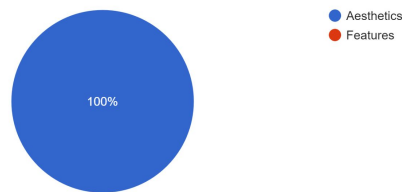
Topic 5: Aesthetics

When it comes to creating the interior of a home the most important part are its looks, or in other words, “*Aesthetics*” as you want your home to look pleasing to yourself as well as visitors.. From the **Primary** research that I have conducted I have come to the conclusion that the target audience would like to have **more aesthetics than features**. This is due to the fact that our current home has more features than aesthetics and it does not give a pleasing look, hence all answers being towards aesthetics. The overall colour scheme that the target audience want within the home are **light colours**, and **pastel shades**. Those being such as the ones below:



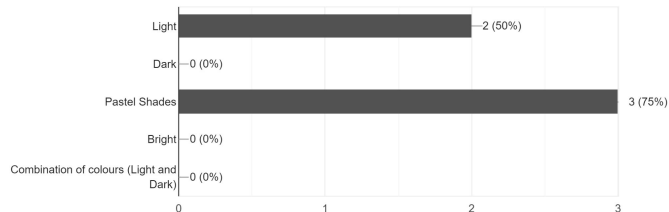
From all the choices that you have filled from above, would you rather want your home to feel more aesthetics or have a substantial amount of features?

4 responses



In terms of your overall home, what colour scheme (according to theme) would you be aiming for?

4 responses



DESIGN SPECIFICATION (1/2)

CRITERION 1: DESIGN

<u>Specification</u>	<u>Description</u> <i>(vague as I want there to be flexibility while constructing the initial designs)</i>
Space	Space is known as the usage of area efficiently and effectively. As this home will be built in a modern Bauhaus style there shall be enough negative space in the room to allow for fluid and easy navigation. While the interior designs shall get constructed, there must be special attention payed to the placement of furniture within the room to ensure make sure that the room does not feel to cramped nor to empty.
Line	Line is known to be the outline of an object. Within the home there shall be mainly horizontal and vertical lines, since it is an archetype for modern homes to have such smooth running interiors with not much deatail. Nevertheless there may be other shaped lines used such as in the water taps or functions within a bathroom.
Forms	Form is the shaping of objects within a room. As the target audience wishes for the homes interior to contain sleek geometric shapes, it shall contain such items. These being shapes such as squares, and rectangles. The items shall be argemend in a manner that each item fits compaclytly with eachother. Nevertheless there may be other forms used such as in the lights or functions within a bathroom.
Light	Light is the spots of lighting that are being emitted within a room. There shall not be many different sources of light within a room, however one main source in a cool blue color that covers up the area of the whole room. There may be small spot lights used throughout but they shall be hidden to contain that sleek look, these shall also be a cool blue color however wont emit ennought light to emit a whole room which is idle for the night.
Colour	Colour is what brings the room to life. As requested per the target audience, the home shall include light pastel shades all throughout, this giving a vibrant and safe look. Throught the whole room the walls shall have a white/cream look with the option for wall tiles or wallpaper, however these extra elements shall be in a different color to create a contrast.
Texture	Texture is the way an object feel within a room. As the home is modern most of the texture will be plain as surfaces tend to be clean and flat within them. Exceptions such as the couch shall have a woven fabric like texture. In some cases it may be that it looks as if there are textures, however they are patterns, such as in tiles.

DESIGN SPECIFICATION (2/2)

CRITERION 1: DESIGN

<u>Specification</u>	<u>Description</u> <i>(vague as I want there to be flexibility while constructing the initial designs)</i>
Pattern	Pattern is repetition in a design on an object. Within room rectangular ceramic tiles shall be included in a horizontal pattern. These tiles throughout the home shall have a wooden pattern. Within the bathroom marble tiles shall be used in square box pattern, however these will have no texture only a design.
Target audience	The interior of the room that shall be created must include all the features stated above, and along with that the home must accommodate all of their needs as the home shall in the end be theirs.

INITIAL DESIGN SKETCHES (1/4)

CHAPTER 2: PART II



The image on the side is a 3D visual representation of the **living room** (lounge) that shall be featured in my home. I have used the Pixlr website to create this design. The point of view is from the front of the home. The blank area named "hallway" is an open area which leads to the other room. The black sliding door in the back leads towards the dining room. I have used a combination of the Modern and Scandinavian interior design style to create this room. (The tiles used for room 2 & 4 could not be found hence the different floor tiles)

INITIAL DESIGN SKETCHES (2/4)

CATHERINE STANLEY

The image on the side is a 3D visual representation of the **kitchen** that shall be featured in my home. I have used the Pixlr website to create this design. The point of view is from the front of the home. The blank area named "dining room" is an open area which leads to the eating area. The kitchen is placed near it which allows for easy access. I have used a combination of the Modern and Scandinavian interior design style to create this room.



INITIAL DESIGN SKETCHES (3/4)

CATHERINE A. STANLEY II

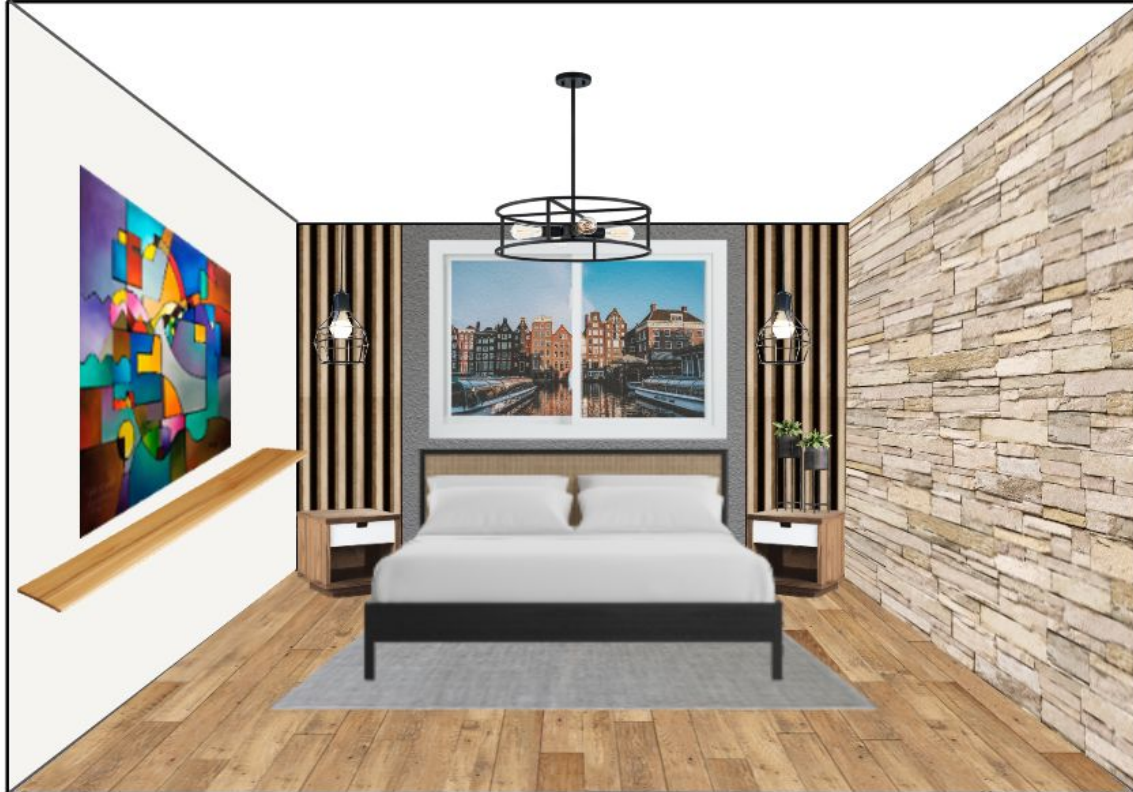


The image on the side is a 3D visual representation of the **bathroom** that shall be featured in my home. I have used the Pixlr website to create this design. The point of view is from the front of the home. There are two black sliding doors, one in the back of the room that leads towards the hallway. The other door to the left of the image leads to the secondary bedroom. I have used a combination of the Modern and Scandinavian interior design style to create this room.

INITIAL DESIGN SKETCHES (4/4)

COURTESY OF PEXELS.COM

The image on the side is a 3D visual representation of the **master bedroom** that shall be featured in my home. I have used the Pixlr website to create this design. The point of view is from the front of the home. There are two closets placed in the room as well, in the opposite direction of the window, leading for them to not be seen from this angle. I have used a combination of the Modern and Scandinavian interior design style to create this room.



JUSTIFY THE CHOSEN DESIGN SELECTION

CRITERION B STRAND III

<u>Specification</u>	<u>Design 1</u>	<u>Design 2</u>	<u>Design 3</u>	<u>Design 4</u>
Space	7/10	8/10	9/10	8/10
Line	8/10	8/10	7/10	7/10
Forms	7/10	8/10	7/10	7/10
Light	7/10	7/10	7/10	9/10
Color	7/10	9/10	7/10	8/10
Texture	7/10	8/10	8/10	7/10
Pattern	8/10	8/10	8/10	7/10
Target audience	8/10	6/10	7/10	9/10
<u>Scores total</u>	58/80	62/80	60/80	62/80
<u>Reason for final selection</u>	Based upon my design marking above, Design 1 received the least points. Hence I will go ahead to improve this design, as it is least resemblant to the specification, and, least modern. Since all other designs already have a score of 60 plus, I am willing to adapt design 1 which shall allow me to get an even better design than all others. Within design 1 I use a mix of both scandinavian and modern interior design. Each specification is over 7 out of 10.			

PLANNING DRAWINGS

CRITERION B STRAND IV

<u>Room</u>	<u>Electrical Items need</u>	<u>Furniture needed</u>	<u>Decorations needed</u>
Living Room	TV, Ceiling Light, Outlets, Console, Sound Bar, Subwoofer	Couch, TV cabinet, Side Table, Wall Shelf, Carpet	Brick Wallpaper, Abstract Painting(s), Plants, Pictures
Kitchen	Refrigerator, Oven/Microwave, Exhaust, Under Cabinet Spot Lights, Induction, Outlets	Cabinets, Sink, Wall Shelf, Small High Table, High Chairs	Kitchen Wall Tiles, Kitchen appliances, Plants
Bathroom	Ceiling Light, Sink Light, Drying Rack, Outlets	Shower, Toilet, Sink	Carpet, Plants, Wall Tiles
Bedroom	Ceiling Light, Side Bed Dim Lights, Outlets, Projector,	Bed, Side Table, Wall Shelf, Closet	Brick Wallpaper, Abstract Painting(s)

WORKS CITED

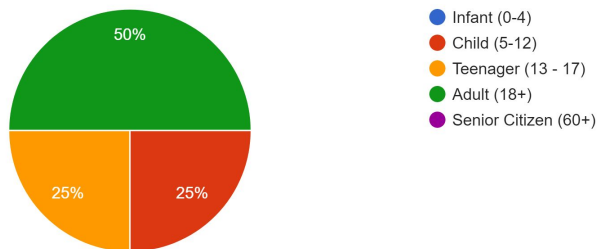
Works Cited

- “7 Principles of Interior Design You Should Know before Renovating | Starry Homestead Pte Ltd.” *Starry Homestead*, 8 July 2020, starryhomestead.com/articles/7-principles-of-interior-design-you-should-know-before-renovating/.
- admin-admin. “A Modern, Bauhaus-Inspired House in Israel.” *LuxChase.com*, 2 Dec. 2021, luxchase.com/a-modern-bauhaus-inspired-house-in-israel/.
- Deering, Shelby. “Bauhaus Architecture Characteristics.” *Hunker*, Hunker, 31 Aug. 2020, www.hunker.com/13728148/bauhaus-architecture-characteristics.
- Fechtig, Lukas. “Scandinavian Interior Design - 10 Ideas for Your Livingroom.” *Yourmap*, 19 June 2018, yourmap.io/interior-design-i10/.
- “Home Interior Design Guides.” *Design Cafe*, www.designcafe.com/guides/. Accessed 23 May 2022.
- “Interior Design Styles 101: The Ultimate Guide to Defining Decorating Styles in 2020.” *Decorilla Online Interior Design*, 19 Mar. 2020, www.decorilla.com/online-decorating/interior-design-styles-101/.
- Ledic, Tilen. “What Are 7 Principles of Interior Design? Base of Each Design.” *Tilen.space*, 17 Dec. 2019, tilen.space/what-are-7-principles-of-interior-design-base-of-each-design/.
- mvicioso. “6 Key Principles of Interior Design.” *Pepe Calderin Designs*, 21 Feb. 2015, pepecalderindesign.com/6-key-principles-of-interior-design/.
- “Pastel Shades Color Scheme» Cream» SchemeColor.com.” *Wwww.schemecolor.com*, www.schemecolor.com/pastel-shades.php. Accessed 23 May 2022.

APPENDIX

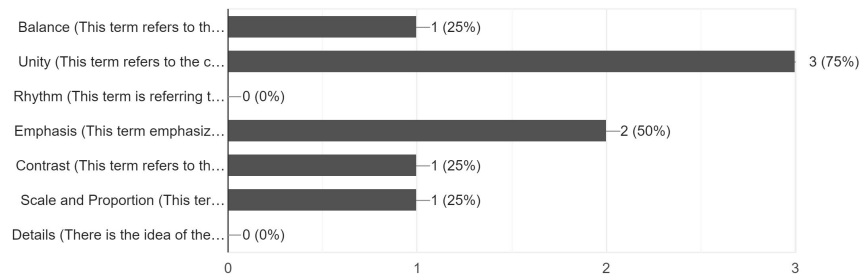
What category do you fall into?

4 responses



There are a total of 7 different Interior Design principles, which ones would you want for your homes interior most to follow? (Pick atleast 2)

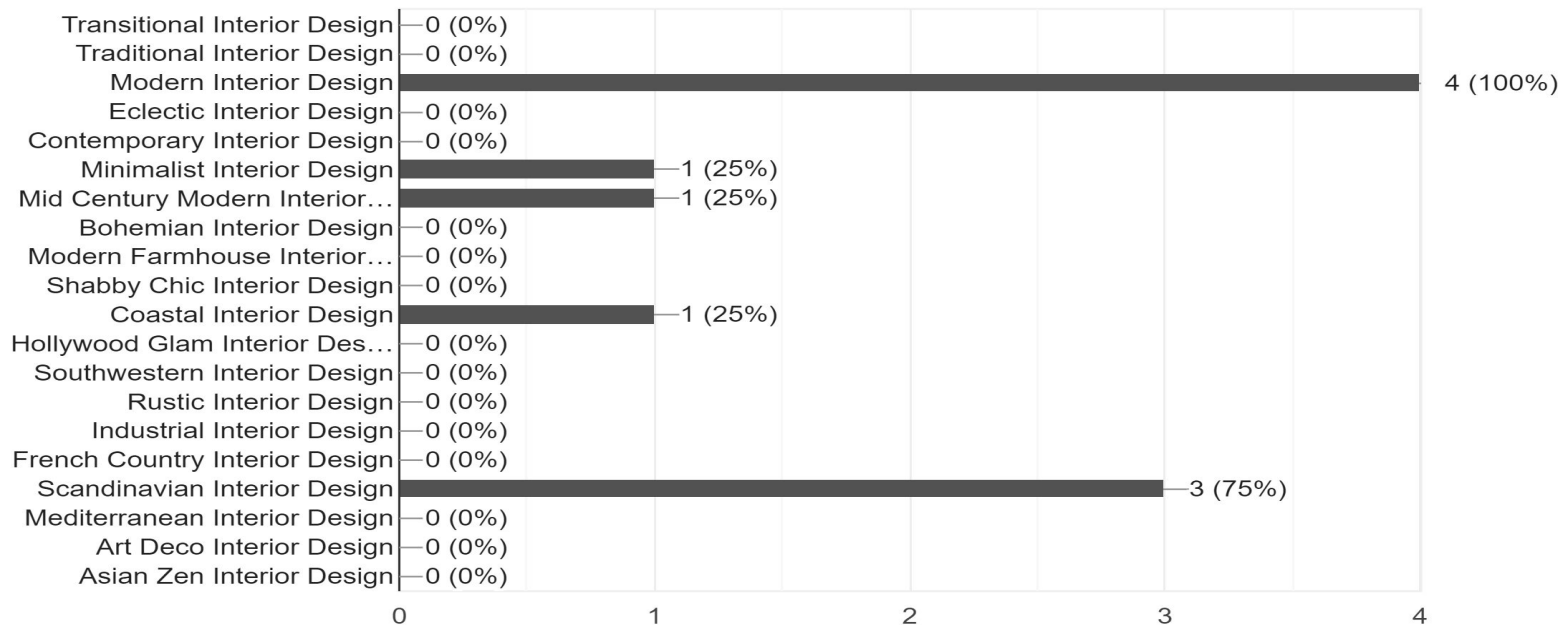
4 responses



APPENDIX

The following options are the 20 most popular Interior Design Styles of 2022, which ones do you feel would be most appealing to you? (Pick atleast 2)

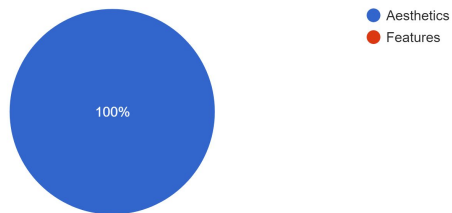
4 responses



APPENDIX

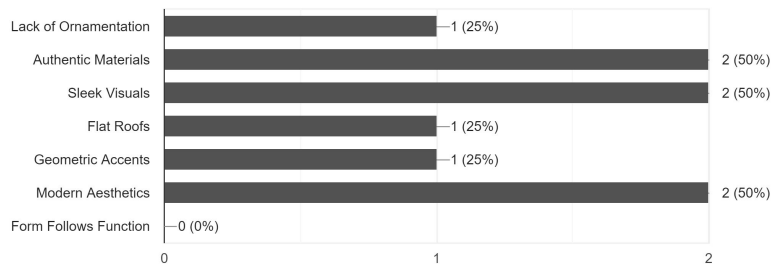
From all the choices that you have filled from above, would you rather want your home to feel more aesthetics or have a substantial amount of features?

4 responses



The following concepts are 7 main Bauhaus features that can be used to style a home, which ones would you want for your home to focus on / include? (Pick atleast 2)

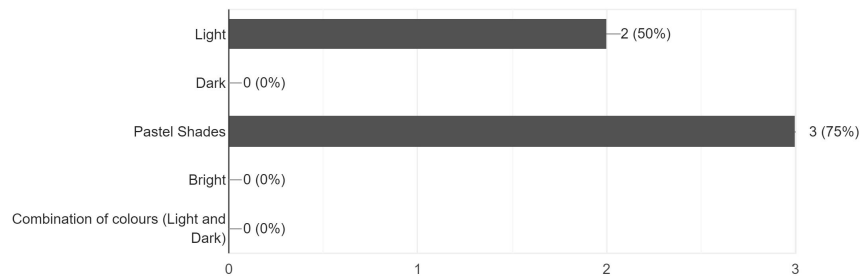
4 responses



APPENDIX

In terms of your overall home, what colour scheme (according to theme) would you be aiming for?

4 responses





INTERIOR DESIGN PROTOTYPING

DAKSH BHALLA/MYP3D/DESIGN



MANUFACTURING PLAN (1/2)

CRITERION 5: EXTENDING

<u>Steps</u>	<u>Actions Materials & Equipment</u>	<u>Time taken</u>
1. Set Up Floorplanner	The first step within my plan is to create a floorplanner account in order to create the 3D rendered home. Throughout this whole manufacturing plan all the equipment that is needed is a computer/laptop to run the application. Make sure you take screenshots while you do the following steps.	2-4 Minutes
2. Create Ground Floor Base	Once the website is ready and set up, create a new project for the first floor, put the dimensions for the floor plan within the website. In this case build a 6 meter by 9 meter platform for the first floor. Use 15 cm for the exterior walls. In terms of the height of these walls, make sure they follow the diameters from the precious units.	2-4 Minutes
3. Place Interior Walls	Since the foundation is now built, place the interior walls based on the floor plan created in unit 2. Use 8 cm for the interior walls. As for the interior walls, make sure they follow the diameters from the precious units too.	10 Minutes
4 Add Doors And Windows	Once all interior and exterior walls are built, it is important to add al the doors in its designated spot, which can be seen according to the floorplan. Along with that place the windows according to scale, use the diameters from the precious units.	10 Minutes
5. Home Colour	The next step to go forward with creating the 3D home must be too paste the necessary wallpaper in its corresponding area along with adding colour to each wall. As well as add floor and wall tiles where necessary.	15 Minutes
6. Add Furniture	Once the interior of the rooms have been coloured properly, start placing the necessary basic furniture within each room, such as a couch in a living room, or a fridge within the kitchen.	45 Minutes

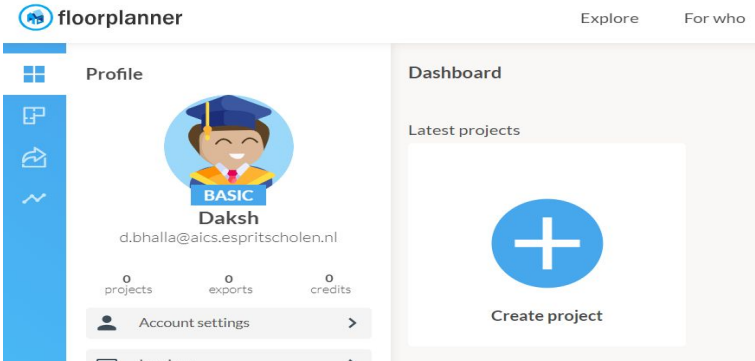
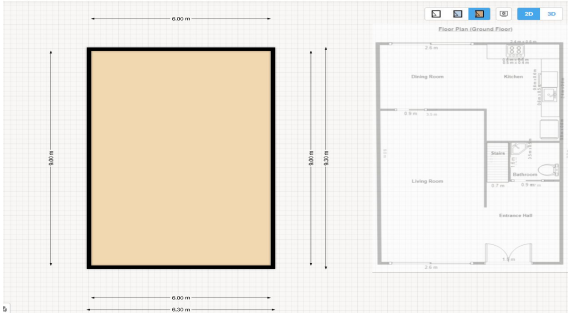
MANUFACTURING PLAN (2/2)

CRITERION 5 STANDARDS

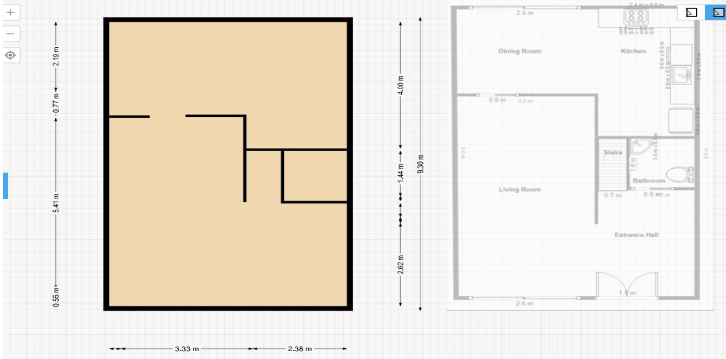
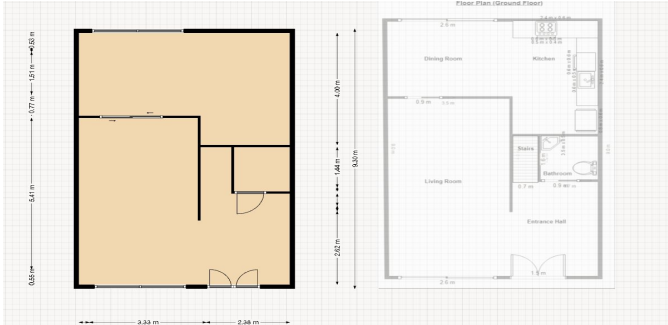
<u>Steps</u>	<u>Actions Materials & Equipment</u>	<u>Time taken</u>
7. Add Minor Details	Next place the small details, such as decoration or plugs. Use the information from last units slide, make sure to add each thing that was stated previously.	45 Minutes
8. Create First Floor	Once your done with all the steps above for the ground floor, create a new project for your first floor. Complete step 2 till 7 once more, in order to complete the first floor.	130 Minutes
9. Product Photos	The last step to complete the 3D rendered home is to create final product photos, export SD quality 3D rendered photo, make sure its at an angle that most of the home is visible. Such as from the 'Southeast' angle. Export both floors and add them within your presentation, as well as the process screenshots.	15 Minutes (<i>10 minute waiting time included, since you must wait 10 minutes to export 2 separate files</i>)
10. Room Tour Video	The final step is to go to the 3D view of the room, and set cameras in each room, both at the front and back to get a clear view of each room. Then play the video and screen record it. Do this for both floors. Once both MP4 files are ready, stitch them together and if necessary add titles to which floor is what, and what room is what. Upload this final files to an online website such as Youtube and provide a link to view it in the slides.	20 Minutes
<u>Total Time Taken</u>		300 Minutes (5 Hours)

MAKING OF FINAL PRODUCT (1/6)

STRAND II

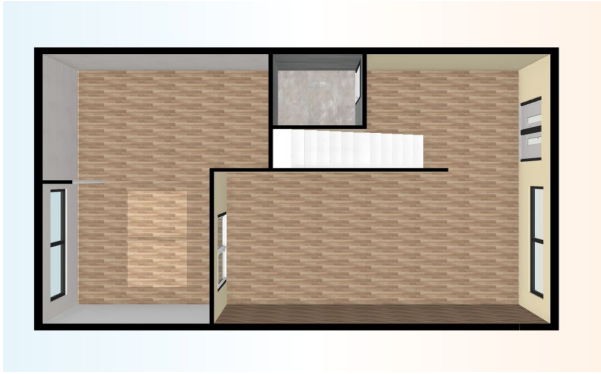
Steps	Description	Photo
1 Set Up Floorplanner	The first step was to set up a floor planner account. I gave myself between 2 – minutes and was able to complete it within the time allocated as it was a very simple job. There was no specific skill or technique used to do this step.	 The screenshot shows the Floorplanner app interface. On the left is a blue sidebar with navigation icons. The main area is divided into two sections: 'Profile' on the left and 'Dashboard' on the right. The 'Profile' section shows a user profile for 'BASIC Daksh' with an email address 'd.bhalla@aic.espritscholen.nl' and statistics for '0 projects', '0 exports', and '0 credits'. Below this is an 'Account settings' button. The 'Dashboard' section shows 'Latest projects' and a large blue circular button with a white plus sign labeled 'Create project'.
2 Create Ground Floor Base	The following stage was to produce the ground floor base. I need to use the dimensions 6 meters by 9 meters, which were the dimensions used in the end as I am creating this according to my original floor plan from unit 2. I allocated myself 2 – 4 minutes for this step which I was able to comply with. The size that was given was 15 cm thickness for the exterior walls, hence it is used here. There was no specific skill or technique used to do this step.	 The screenshot shows a ground floor plan in the Floorplanner app. The plan is a large rectangle with dimensions 6.00 m by 9.00 m. The walls are 15 cm thick. The plan includes a 'Living Room', 'Dining Room', 'Kitchen', 'Bath', and 'Entrance Hall'. The dimensions of each room are also shown: Living Room (3.00 m x 3.00 m), Dining Room (2.00 m x 3.00 m), Kitchen (2.00 m x 3.00 m), Bath (1.50 m x 1.50 m), and Entrance Hall (1.50 m x 1.50 m).

~~CRITERION C STRAND II~~

Steps	Description	Photo
3 Place Interior Walls	Once the exterior walls were built for the first floor, it was time to move to creating the interior walls, these being 8 cm thick walls. I gave myself 10 minutes to complete this task, however it took longer than expected. The main cause of this being since I did not have all my measurements at hand, hence I had to go back to my file on eDraw and get the measurements out of there. The main skill used here was problem solving as i solved a big problem in a small amount of time. With this, it took about 20 minutes in total.	
4 Add Doors And Windows	Since all the walls for the ground floor were complete, the next step was to fixate the doors and windows within these walls. Using the dimension from Unit 2 I added the doors and windows. I was able to this properly in the allocated time, however there came a problem with the doors. The first problem was that the doors in my design were sliding doors that were 90cm wide. Meaning that there would only be 45 cm to walk through. To solve this I made the doors 60cm wide by expanding it. Along with that there were no none glass sliding doors available in the FloorPlanner library, hence having to change them to regular doors. This ended up taking 30 minutes.	

MAKING OF FINAL PRODUCT (3/6)

SCANDIAN STRAND II

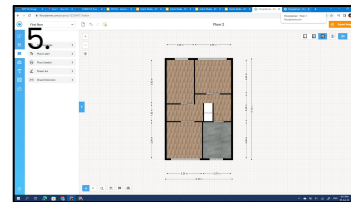
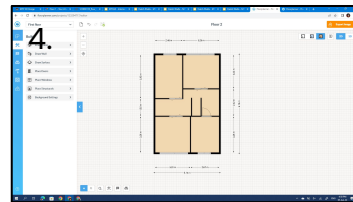
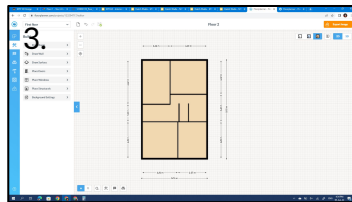
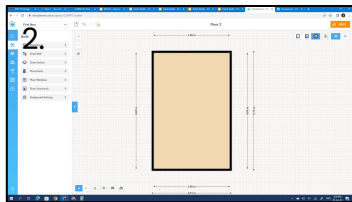
<u>Steps</u>	<u>Description</u>	<u>Photo</u>
5 Home Colour	Once the problems with the doors were fixed, the next step in the process was to put the necessary colours around the house. Such as wallpaper on walls, tiles on the floor and walls as well as paint on walls. I gave myself 15 minutes to complete this task, which I was able to do. There was no challenge or specific skill used to complete this step. I used the information gathered from my survey as well as the information gathered in my original research (<i>Interior Design principles & Interior Design Styles – light colours & pastel shades</i>). I decided to mainly use scandinavian style colors and themes however still included modern looks, such as having sleek visuals. .	
6 Add Furniture	When all the rooms have been coloured properly and the designated tiles have been added to their respective rooms. The basic furniture must get placed within each room. This does not include the details of the home, that is a separate step. I gave myself a total of 45 minutes to complete this task, which I was able to do. In the last step, I used information from my design brief, I did so within this step too. I used unity <i>Unity</i>, and <i>Emphasis</i> throughout the making of this floor, which was my primary goal as per the target audiences wishes.	

MAKING OF FINAL PRODUCT (4/6)

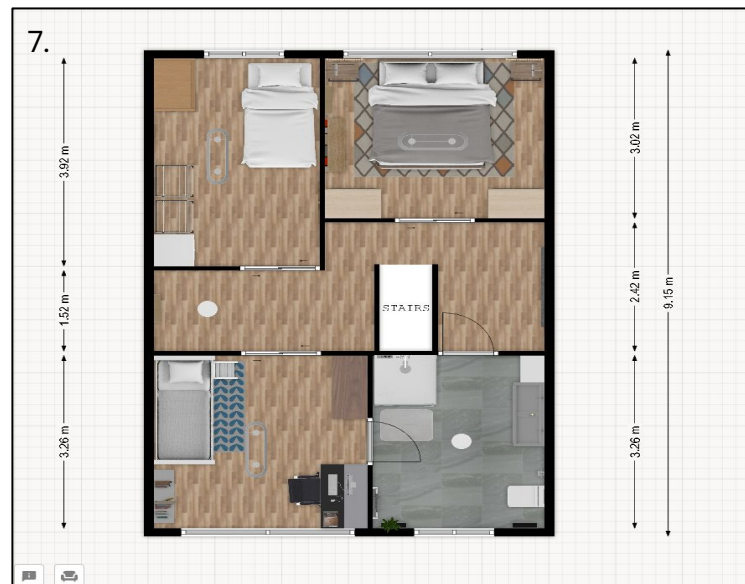
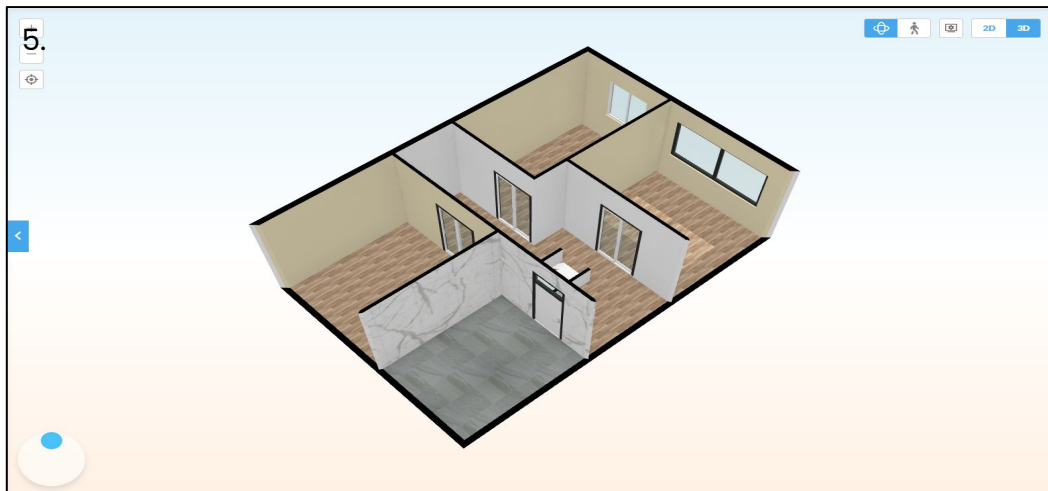
SCANDINAVIAN STRAND II

<u>Steps</u>	<u>Description</u>	<u>Photo</u>
7 Add Minor Details	The final step for in order to create the first floor is to add all the minor details. These are things such as wall plugs, plants, lamps etc. I allocated myself 45 minutes to do this task, and was able to complete it within the time period. The difficult part of this step was to find an object that could fit both the size and theme of the room. For example it is not suitable to add a large cactus plant in a scandinavian home. I used the data from my survey to help complete this step too. The main features that my target audience wants were Modern Aesthetics, Sleek Visuals & Authentic Materials, which I was able to add.	
8 Create First Floor	Now that the ground floor had been fully complete it was time to create the first floor. I did steps 2 till 7 once more and used the same skills and techniques to create my ground floor. I gave myself 130 minutes to d this, however I was able to complete it in less since I had got the hang of how to use the program, hence making it easier.	(2-7 first floor photos on next slide)

MAKING OF FINAL PRODUCT (5/6) SPATIAL STRAND II

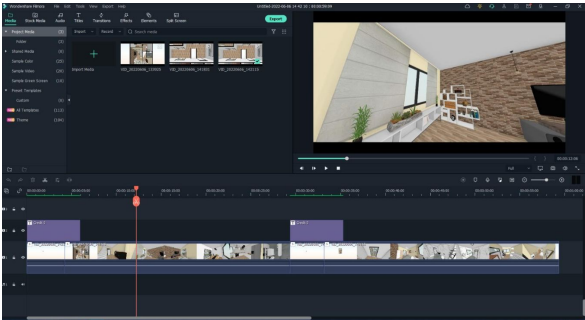


(Photos from step 2 till 7 for first floor) (No photo available for step 6)



MAKING OF FINAL PRODUCT (6/6)

C Strand II

<u>Steps</u>	<u>Description</u>	<u>Photo</u>
9 Product Photos	Once the entire home was complete it was time to take product photos for the home itself. I created a photo for each floor from the Southeast angle to cover most of the house. Along with that I took photos side by side to show evidence for criteria C strand III. All these process screenshots are shown through slide 5 and 10.	
10 Room Tour Video	The final step of the manufacturing plan is to create a 3D room tour of the home. I gave myself a total of 20 minutes to complete this step, and which I was able to do. I set up multitude of camera angles around both floors and screen recorded the walk through. I later brought it into Filmora 11 and edited the clips together along with an indication of which floor is which. I used my editing skills to complete this step.	

PRESENT FINAL PRODUCT

CRITERION C STRAND III

Whole Home Room Tour Video Link: <https://youtu.be/vOq8-SHd9II>

Ground Floor 3D Render:



Free SD export
floorplanner

First Floor 3D Render:



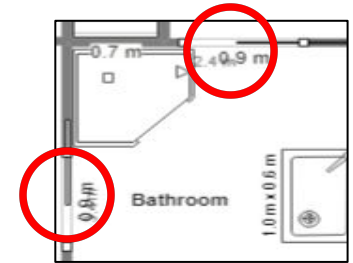
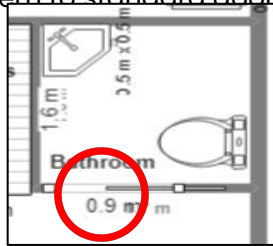
Free SD export
floorplanner

FINAL PRODUCT CHANGES (1/3)

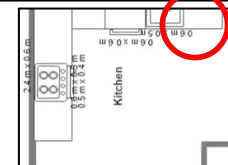
CRITERION'S STUDENT

Throughout the entire making of the 3D render there were a total of 6 of final product changes:

1. The first one being the bathroom doors, once began to produce the 3D floor plan I noticed that for the first floor if I were to add a sliding door for the toilet, the walking space would only be 45 cm which is too less. Along with that there were no opaque sliding doors available in the application library. Hence I changed them to standard doors, as can be seen under

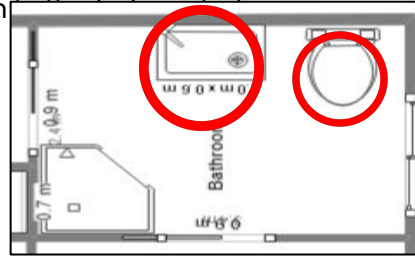
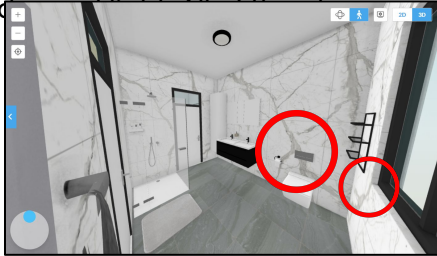


2. The second final product change happened to be in the kitchen. I added an extra thin wall between the kitchen the dining room, the reason for this was since I wanted for there to be a clear transition from the kitchen wall tiles and the paint on the wall in the dining room. Adding this extra wall created a clear partition making the room not look odd and made it gel. Along with this in the kitchen I changed the



FINAL PRODUCT CHANGES (2/3)

3. Looking at the final bathroom on the second floor, there have been quite a few changes to the arrangement. Looking at the multiple photos underneath, it is clear that the shaping of the bathroom has changed from more curved shapes to geometric shapes, such as the triangle shower to square, and circular toilet seat to rectangular. The sink was originally placed on the right side of the room, then the centre, and then back to the right. Along with that there have been a multitude of changes to small objects in the bathroom such as the heater, toilet roll holder, and towel rack that can be seen

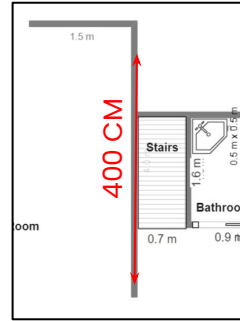


4. The fourth final product change that the home was the changing the room area. It was stated that area that was using for washing however since there was extra as a guest room. This changes that there the side show

was
usag
it wo
and
spac
was
were to my home. The photos on
this change.

FINAL PRODUCT CHANGES (3/3)

5. The fifth final product change that I made was the wall extension made in the Living Room. I extended the wall that is parallel and right next to the stairs, as seen in the photos below. The reason for this was since I did not take the length of the stairs into account while creating the floor plan. I needed to extend it in order for it to fit by about 50 CM. This extension can be seen on the side.



6. The last final product change that occurred which was also the biggest happens to be switching the style of home that was created. The Initial plan that there was to create a mixed home of both the Scandinavian style and Modern Interior style. However while making the home I realized that there was not much modern items within the Floor Planner Library, hence the change from a mixed style to creating a Scandinavian Interior Design style. This mainly applies to the color scheme, as well as items, but geometric shapes and sleek aesthetics have still been used to keep the home in range for the target audience. All the images on previous pages as well final recording captures this very well.



Product Design Survey - Interior Design Prototyping - MYP3U4

- Daksh Bhalla

First read all the questions, and then watch the video linked underneath.

Could you please take 5 minutes of your time to fill this multiple choice form in :)

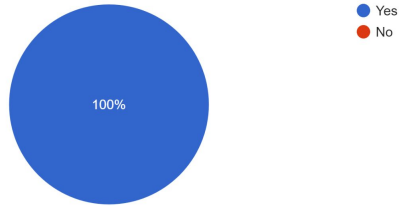
In order to get create my testing method, I have created a Product Design Survey covering 11 different questions about the interior of my home. In it I have attached the video displaying the interior of the home for the target audience to know what I have created. Each of the questions are multiple choice to display proper graph data. I got a total of 9 responses, 4 (family members including me) as well as peers (5).

Form: [Product Design Prototyping - MYP3U4](#)

DESIGN TESTING METHODS (2/7)

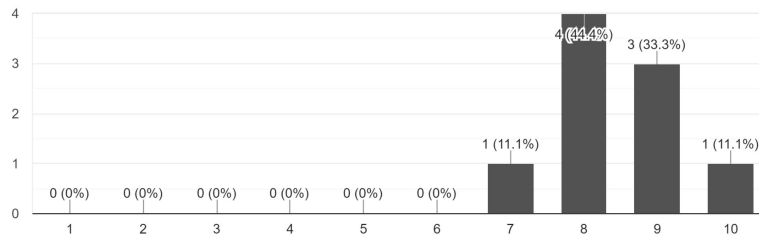
CHAPTER 10 - BRAND I

Has there been attention paid to the placement of furniture within the room to ensure make sure that the room does not feel to cramped nor to e...here enough negative space throughout the home?
9 responses



The first question within the survey, discusses the specification factor, **space**. All of my responses stated that there is enough negative space throughout my whole home to walk freely, as well as the room does not feel cramped. Meaning I was able to complete my goal.

On a scale from 1-10, has line been used appropriately? (As the home is Bauhaus, most of it most contain horizontal and vertical lines it is archetyp...e such smooth running interiors with minimal detail)
9 responses



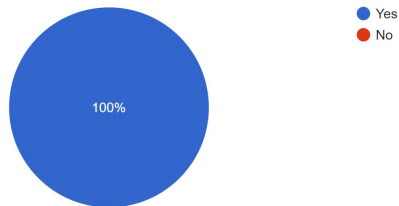
The second question within the survey, discusses another specification factor, **line**. Observing the graph on the side it is clear that all of the people who took part of the survey feel as if line is used rather appropriately within the interior of the home. There was a lowest rating of 7, and a highest of 10, with majority stating that on a scale from 1-10 my home used line very appropriately as there response is the in the 8 and 9 range. Meaning that it has been implemented well however can be fixed. This has fully been evaluated in the 'success of the solution'.

DESIGN TESTING METHODS (3/7)

CRITERION 1 AND 2

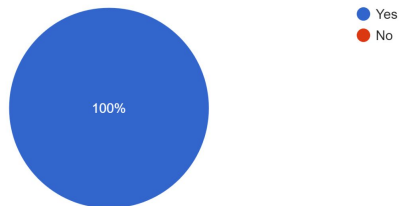
Does the home manage to contain sleek geometric shapes, and are they arranged in a manner that each item fits compactly with each other.?

9 responses



Has Light been used in appropriate places throughout the house?

9 responses



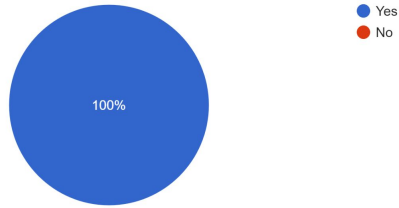
The third question within the survey, discusses the specification factor, **form**. Looking at the image on the side, it is clear that all of the people who filled the survey in feel as if form has been used properly. However I myself feel as not all of it matches the type of home that I was aiming for. This has been further on evaluated in the 'success of the solution'.

The fourth question within the survey, discusses another specification factor, **light**. Comparing the image to the side, as for previous y/n question, all have stated that light has been used appropriately throughout the home. Nevertheless I feel as if comparing the homes interior to my original specification I feel that it does not match. This has been further on evaluated in the 'success of the solution'.

DESIGN TESTING METHODS (4/7)

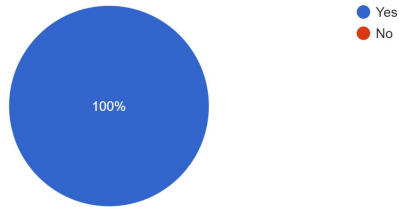
Were light pastel shades of Colours used all throughout the home and did it give a vibrant and safe look?

9 responses



Where there enough various types of texture used throughout the home?

9 responses



The fifth question within the survey, discusses the specification factor, **colour**. Observing the results on the side it is clear that all feel as it the colours added give of a safe and vibrant look. Meaning that the colours that were used within my home fit the scheme that I was going for. Nevertheless there were some things that I did with colour which were not up to date with my specification. This has been further on evaluated in the 'success of the solution'.

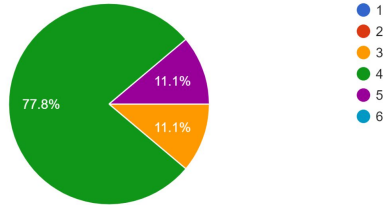
The sixth question within the survey, discusses the specification factor, **texture**. Looking on the side it is clear that each participant feels that there are a multitude of textures used throughout the home. However as some of the previous topics, some of the points within the specification do not fit the home, this has been further on evaluated in the 'success of the solution'.

DESIGN TESTING METHODS (5/7)

QUESTION 7 (PART 1)

How many people does this home seem fit for? (If other add only number)

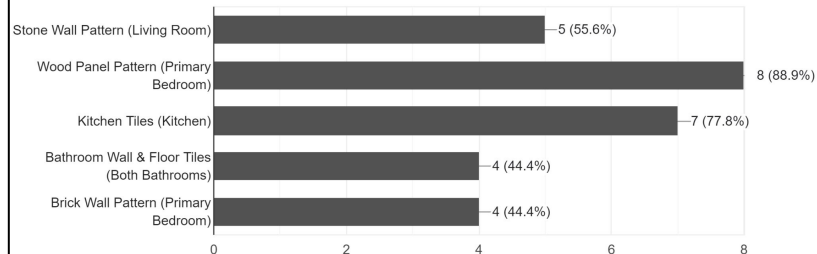
9 responses



The seventh question within the survey, discusses the specification factor, **target audience**. Looking at the results on the side it is clear that majority of the people feel as if the home looks and feels suitable for a family of 4. Which is what the amount of people the home is made for. Nevertheless one person stated that the home feels as it is suitable for 3 people, and one for 5 people. I feel that the reason for this is due to the extra room available, some may think it is for the extra 5th family member, and one that it is a guest room and the bunk bed is for one person only.

From the following select list the key Patterns of the interior that you thought were appealing? (If other state "What is looks like (room it is in)")

9 responses



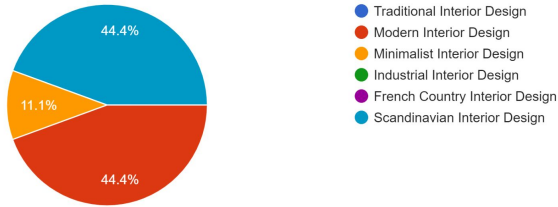
The eight question within the survey, discusses the last specification factor, **patterns**. Looking at the side there are a multitude of various responses. Majority stating that the wood paneling within the primary bedroom looked the most appealing from a distance. Along with that many thought that the kitchen tiles and stone wall pattern within the living room looked the best. This may be as they are primarily parts of modern home looks.

DESIGN TESTING METHODS (6/7)

QUESTION 9 AND 10

The following options are the 6 most popular Interior Design Styles of 2022, what do you think was this home most focused on recreating?

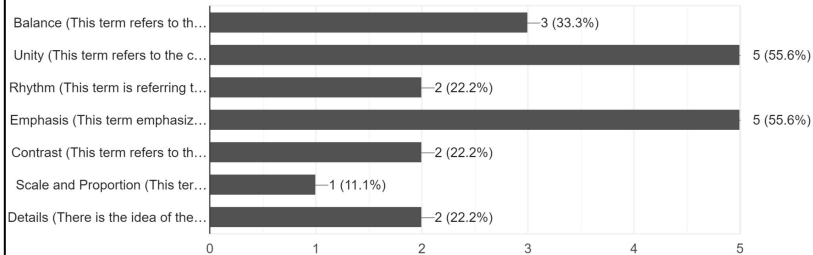
9 responses



The ninth question within the survey discusses the looks of the home in terms of **Interior Design Style**. Looking at the side there is a various step of responses. Majority stating that the home looks like it is most recreating either a Modern Interior or a Scandinavian Interior. With one vote for Minimalist Interior Design. The reason for this outcome is since I tried to combine both Modern and Scandinavian interior. However in the end I tired to convert my home entirely into a Scandinavian Interior.

Which of the following 7 different Interior Design principles, do you think were used to create this home? (Pick 2)

9 responses



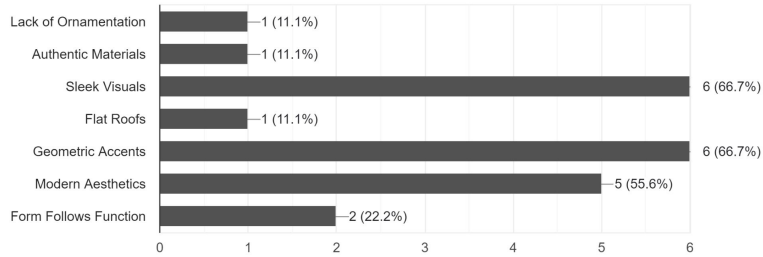
The tenth question within the survey discusses the different types of **Interior Design Principles**, and which two does it look like it meant to target. At the beginning of this unit I stated that I would want to target **Unity**, as well as **Emphasis**. And comparing this to the graph on the side it is clear that I have been able to execute that process well. With both unity and emphasis with a score of 5, and all the others having a low score.

DESIGN TESTING METHODS (7/7)

CITIZEN INTERVIEW

The following concepts are 7 main Bauhaus features that can be used to style a home, which ones do you think the home was trying to target the most? (Pick at least 2)

9 responses



The final question of this survey discussed the **7 Main Bauhaus Features**. At the beginning of this unit I stated that I would want to target **Modern Aesthetics, Sleek Visuals, and Authentic Materials**. And comparing this to the graph on the side it is clear that I have been able to execute Modern Aesthetics well, as well as Sleek Visuals. However not Authentic Material, this may be due to the fact that it is not very clear in a video on what material is it.

SUCCESS OF THE SOLUTION (1/2)

<u>Specification</u>	<u>Spec met Y/N (x/10)</u>	<u>Explanation</u>
Space	Yes (9/10)	In my original specification for this home I states that I wanted for the home to have enough negative space for fluid navigation, as well as to pay special attention while placing the furniture of the room so that the home does not feel cramped. I have successfully been able to accomplish this as in the walk through it was clear that there was sufficient space, along with that majority people stated within my survey that there is enough walking space. Most of the household essential items places around the walls leaving not to much and not to little negative space. However on the ground floor the hallway to living room is a big lack luster and has to much negative space. Overall I met the specification properly.
Line	Yes (8/10)	Looking back at my home and comparing it to the specification, I can see that I have used line appropriately in most places. Observing the photos in previous slides it is clear that very sleek horizontal and vertical lines have been used and the survey has evidence for this too. I stated in my specification that in some cases curves will be used in water taps, nevertheless I did not follow this fully, in most cases the lights that were used were circular. This was due to the Floor Planner limited library, and hence there not being many straight sleek lights used. Overall I met the specification properly.
Forms	Yes (8/10)	Throughout my entire home I have used sleek geometric shapes, these being shapes such as squares, and rectangles. Evidence of this can be seen within the survey as well as the walk through. Most items that have been shown within it are flat and contain mainly squares and rectangles, this includes tables, toilets and some lights. Overall I met the specification properly.
Light	No (5/10)	Light is the only specification that I was not able to target properly. I stated that there shall be multiple spotlights used throughout which ended up not being used as I switched the design style, and spotlights did not fit it. Along with that I aimed for them to be in a cool blue colour which did not happen was there was no option in the Floor Planner Library for blue shades of lights, only yellow.

SUCCESS OF THE SOLUTION (1/2)

<u>Specification</u>	<u>Spec met Y/N (x/10)</u>	<u>Explanation</u>
Color	Yes (8/10)	Looking back at the specification and final home, it is clear that mainly light colours, and pastel shades are used throughout, these being colours such as light yellow (living room walls), white (other walls), light red (brick wallpaper). My goal was to create a safe a vibrant look. Which I was able to capture and do in most places. As in my survey once I stated the inquiry, each person stated that the colours of the home did make it feel safe and vibrant. Nevertheless the bricks walls make the home seem a bit odd hence its lower rating. Overall I met the specification properly.
Texture	Yes (7/10)	Texture was the specification with the second lowest rating. This was due to the fact that within my my specification I stated that most surfaces would have a plain texture as they tend to be clean and flat within Bauhaus homes, with the acception of some items such as couches. Nevertheless their were some places where I used none plain textures, such as in the carpets or rocky decoration. Hence the reason for this rating. Overall I met this specification fairly.
Pattern	Yes (9/10)	Throughout my home I have added multiple different types of patterns. My original wish was rather vague only talking about wooden floor tiles, which I have been able to input as seen. Along with that I have added multiple different types of patterns such as the brick wall tiles, wood panel design, and kitchen wall tiles. Overall I met the specification properly.
Target audience	Yes (8/10)	In my original specification I intended for the home to be suitable for a family of 4, as well as include all the necessary features above. I was able to complete this task, as can be seen in the survey result that the home seems suitable for a family of 4. However I was not able to meet the specification of light, meaning it fails to suit one of the factors the target family intended to have. Nevertheless I was able to complete every other task written within the specification. Overall I met the specification properly.
<u>Total Score</u>	62/80	

PRODUCT IMPROVEMENTS (1/2)

The following are the list of product improvements that could have been made to the design while creating them:

- **Remove Brick +Stone Wallpaper**

- The first product improvement that can be made is to remove the wallpaper Brick + Stone wallpaper that is placed within the Living Room and Primary Bedroom. The reason for this is since the wallpaper do not match the wanted colour scheme, along with that the wallpaper seems out of place as it does not fit the interior design style that I was aiming for nor does it fit with the pattern specification for this home. They must be removed or replaced by a pastel shaded sleek looking wallpaper not to distracting to the audience.

- **Square Lights**

- The second product improvement that can be done is to change the shaping of the lights from circular to geometric shapes. The reason for this is as circular don't fit the theme that I was aiming for. Along with that, in a private chat with my target audience, I discussed and came to the conclusion that they do not like circular lights and prefer for them to be in geometric shapes.

- **Less Texture**

- As this home is a Bauhaus style home, there must be a minimal amount of texture implemented in the items, they must rather be sleek and flat. Currently there is texture in a couple of places such as in carpets or rocky decorations, nevertheless they are minor details, but yet can still be seen. Hence they must be changed to give a more sleek and smooth look. They must be replaced with substitutes that have more flat textures.

- **More Scandinavian Features**

- From the data gather through my survey I have observed that most of the people believe while looking at the interior of the home that it is a modern styled home. However that was not the aim. Hence I shall work on adding more Scandinavian Features such as the ones listed on this slide already. Next time I shall aim to not mix two separate design styles as it ends up making the homes features not gel with each other

The following are the list of product improvements that could have been made to the design while creating them:

- **More Detail**

- Comparing my home to others, I feel that there is a limited amount of detail in terms of ornaments and not much attention paid to the placement of these smaller objects. Hence I want to add more detail within each room. I can add things such as facil bottles, toys in the bedroom, cushions, food, glasses, etc.

- **Lower Windows**

- The reason for making the windows lower is not due to any findings in Di or ii, however due to the fact that they are too high for standard window heights. It is currently raised from the floor by 100 cm which is a bit much. In order to fix this next time I shall lower it down to a proper height 90 cm.

- **Add Curtains**

- Along with the windows, I noticed that I have not added any curtains in any room other than the living room. Hence once I create the improved product it must have curtains in each room. It's only specification is that they must have a smooth texture as well as be lightly shaded as that is the colour scheme being aimed for.

- **Ask each member of your family if they would enjoy living in the home that you have designed and styled? Would they feel comfortable and at home in this newly styled space? Does the styled home meet their needs? (In their view point)**
 - *Mom:* Looking at the interior design of this Bauhaus home, I am satisfied with the interior and enjoy the cozy feel. I will feel comfortable within the home as it meets my specification. The rooms are fairly spread out with enough walking space. Along with that it combines a Modern and a Scandinavian interior which I find interesting as that is the style we want in our home too. The home meets all the specification that I need however, an extra bathroom would be better as it saves time. Overall I would want to live in a home with this interior.
 - *Dad:* I am fond of the the interior design that has been displayed on the previous pages. I like the interior however there are a couple of changes that could be made to fit my needs. There must be an additional Bathroom, a study room, as well as a larger dining room. Other than these factors I feel that the home follows all my other requirements. Nevertheless would still feel comfortable in the current home that has been made.
 - *Sister (6 years old):* I like the whole house, but the think there should be 3 separate bedrooms and the guest room must be taken away, this is since the home is needed for 2 adults, 1 teenager, and 1 child. The two children must get a different room. Nevertheless I would enjoy living in this house and it meets most of my needs.
- **Based on the answers to the 1st question, do you now think that overall this new design would have a negative or positive impact on your family? Explain your reasoning**
 - I believe that based on the answers from my family in question 1, that my overall new design would have a positive impact on my family. This is due to the fact that with these new changes, there would be extra time saved in the morning to get ready. Along with that both me and sister would get their separate rooms which gives more primacy. Most importantly the home itself would gel more as each room will have the same style and be a Scandinavian Styled home.
- **Based on this overall exercise this year (in designing and then styling your own home with such limited sizes), do you now believe that you have a greater understanding of the importance of good design and the 7 principles of interior design?**
 - Looking back at the units of this year, I believe that I have a greater understanding of the importance of a good design as well as the 7 principles of interior design as well. This is since throughout this years units I researched how to build the facade of a home as well as design the interior for a home. We used all the information that we gathered, we created a physical representation of the home. and using online software we created the interior of this home. Overall I believe that I have a

WORK CITED

Work Cited

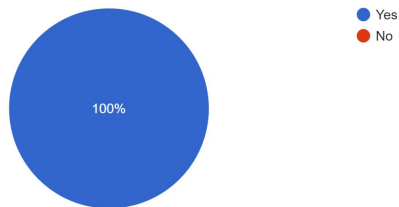
<https://floorplanner.com/>

<https://forms.gle/WWzEDczjLNoXKcVz5>

APPENDIX (1/45)

Has there been attention paid to the placement of furniture within the room to ensure make sure that the room does not feel to cramped nor to e...here enough negative space throughout the home?

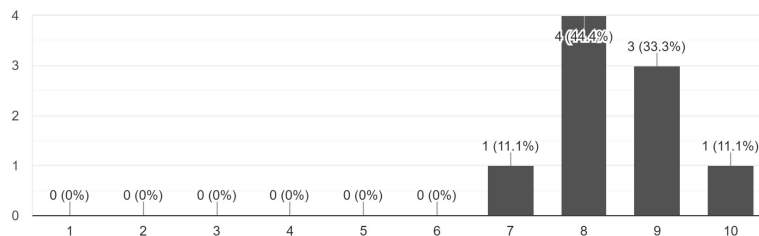
9 responses



Has there been attention paid to the placement of furniture within the room to ensure make sure that the room does not feel to cramped nor to empty and that there is there enough negative space throughout the home?

On a scale from 1-10, has line been used appropriately? (As the home is Bauhaus, most of it most contain horizontal and vertical lines it is archetyp...e such smooth running interiors with minimal detail)

9 responses

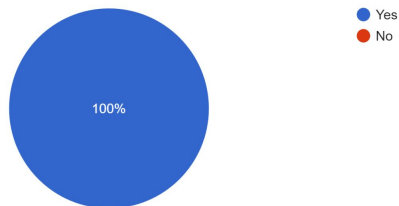


On a scale from 1-10, has line been used appropriately? (As the home is Bauhaus, most of it most contain horizontal and vertical lines it is archetype for modern homes to have such smooth running interiors with minimal detail)

APPENDIX (2/16)

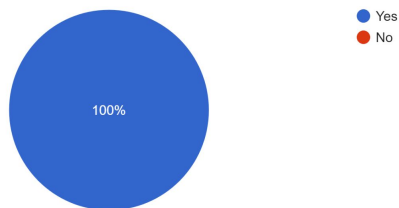
Does the home manage to contain sleek geometric shapes, and are they arranged in a manner that each item fits compactly with each other?

9 responses



Has Light been used in appropriate places throughout the house?

9 responses



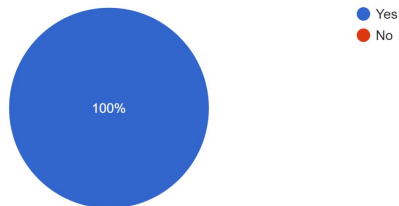
Does the home manage to contain sleek geometric shapes, and are they arranged in a manner that each item fits compactly with each other?

Has Light been used in appropriate places throughout the house?

APPENDIX (3/7/6)

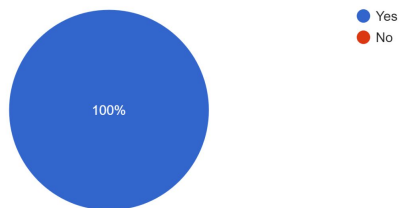
Were light pastel shades of Colours used all throughout the home and did it give a vibrant and safe look?

9 responses



Where there enough various types of texture used throughout the home?

9 responses



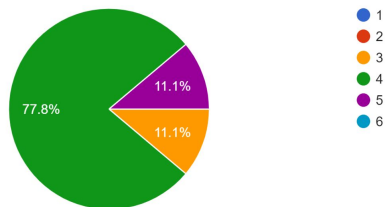
Were light pastel shades of Colours used all throughout the home and did it give a vibrant and safe look?

Where there enough various types of texture used throughout the home?

APPENDIX (4/6)

How many people does this home seem fit for? (If other add only number)

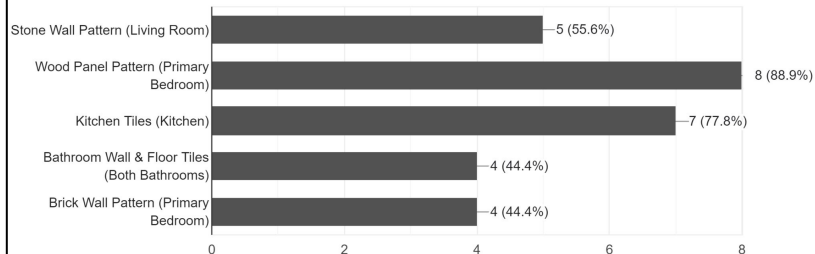
9 responses



How many people does this home seem fit for? (If other add only number)

From the following select list the key Patterns of the interior that you thought were appealing? (If other state "What is looks like (room it is in)")

9 responses

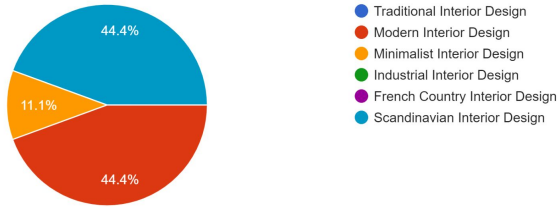


From the following select list the key Patterns of the interior that you thought were appealing? (If other state "What is looks like (room it is in)")

APPENDIX (1/16)

The following options are the 6 most popular Interior Design Styles of 2022, what do you think was this home most focused on recreating?

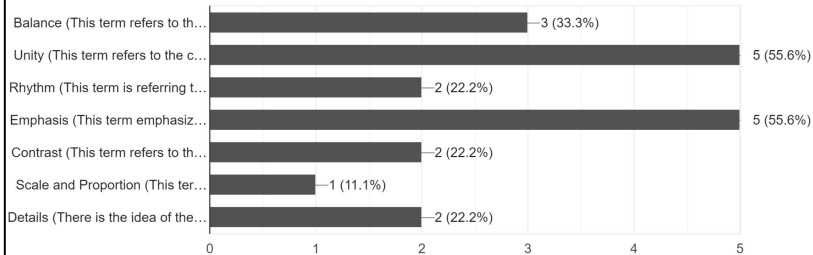
9 responses



The following options are the 6 most popular Interior Design Styles of 2022, what do you think was this home most focused on recreating?

Which of the following 7 different Interior Design principles, do you think were used to create this home? (Pick 2)

9 responses

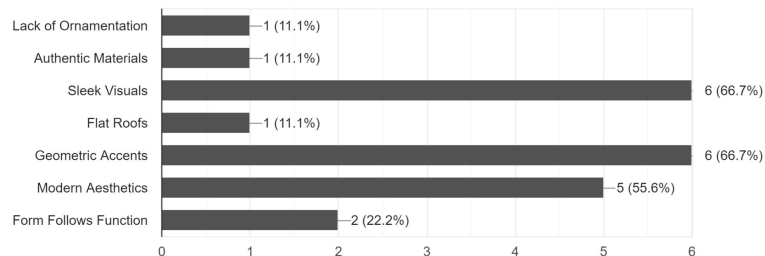


Which of the following 7 different Interior Design principles, do you think were used to create this home? (Pick 2)

APPENDIX (6/6)

The following concepts are 7 main Bauhaus features that can be used to style a home, which ones do you think the home was trying to target the most? (Pick at least 2)

9 responses



The following concepts are 7 main Bauhaus features that can be used to style a home, which ones do you think the home was trying to target the most? (Pick at least 2)