



SCAN FOR
MORE INFORMATION

QUOTA TEAM

- Tran Nguyen Quy Khang
- Vu Gia An
- Nguyen Tien
- Nguyen Dinh Minh Chau

ACADEMIC SUPERVISOR

- Dr. Tran Nhat Quang
- #### ACADEMIC SUPERVISOR
- Mr. Nguyen Sieu Anh
 - Mr. Nguyen Le Quynh Thien

PROJECT TITLE

NTG Agent: An Internal Knowledge Assistant for NashTech - Enhanced with LightRag, AGUI

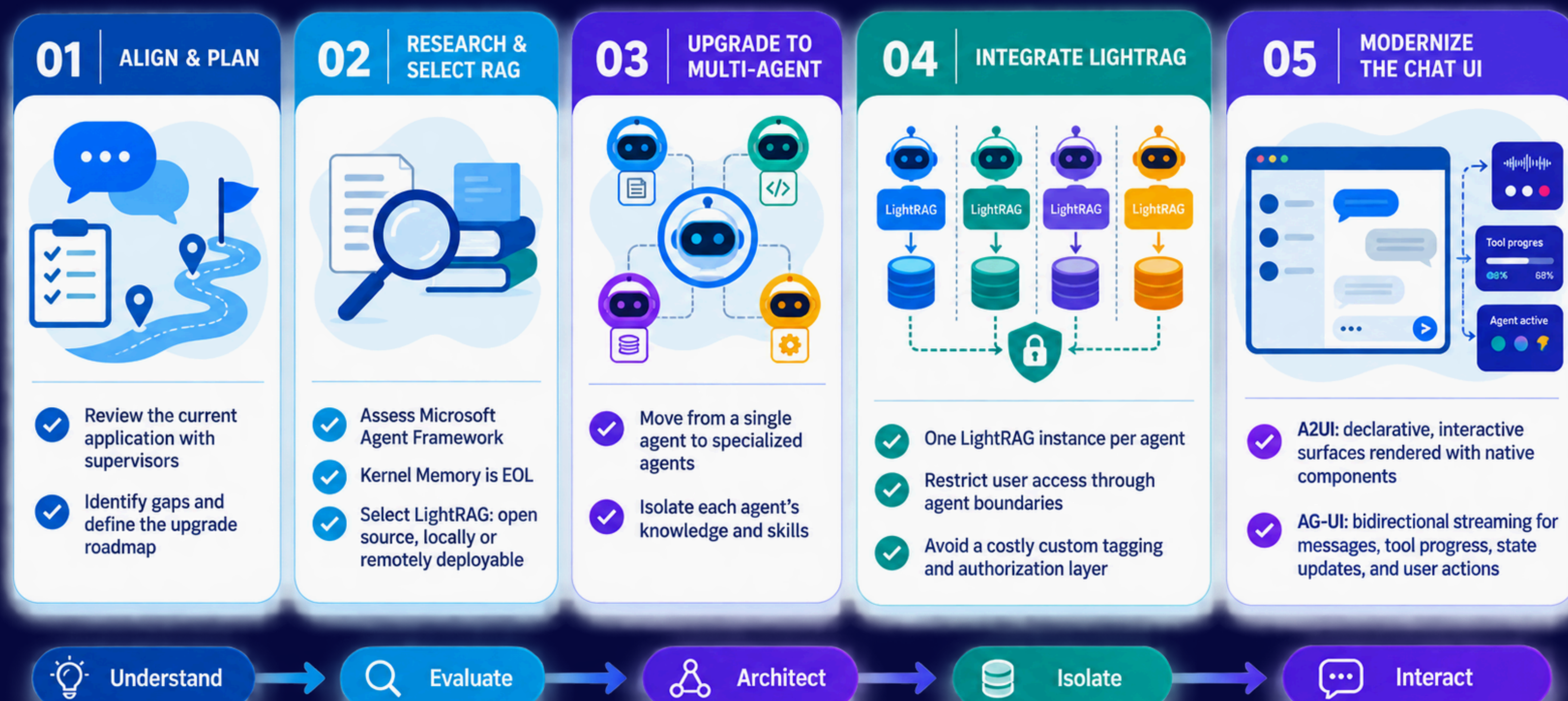
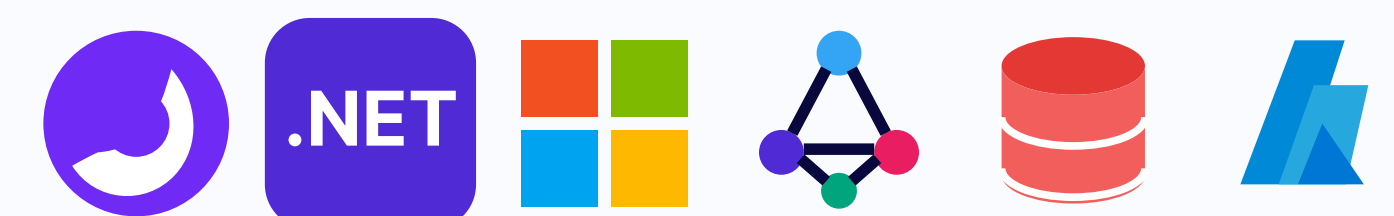
BACKGROUND & MOTIVATION

Modern AI assistants must do more than answer questions—they need specialized knowledge, secure isolation, and flexibility to evolve. The original NTG Agent relied on a single-agent architecture and Microsoft Kernel Memory, limiting specialization and creating long-term maintenance concerns. This project transforms the platform into a scalable multi-agent system powered by the Microsoft Agent Framework and LightRAG. Each agent receives dedicated skills, tools, and an isolated knowledge base, preventing information from crossing agent boundaries. By combining modular orchestration, flexible model providers, external MCP tools, and per-agent retrieval, the upgraded platform provides a maintainable foundation for building reliable, extensible, domain-specific AI assistants.

OBJECTIVES

- Enhanced Knowledge Retrieval.
- Adopt A2UI and AG-UI to create a more responsive, interactive, and agent-driven chat interface.
- Multi-Agent Architecture.

TECHNOLOGIES



NTG Agent — High-Level Architecture

