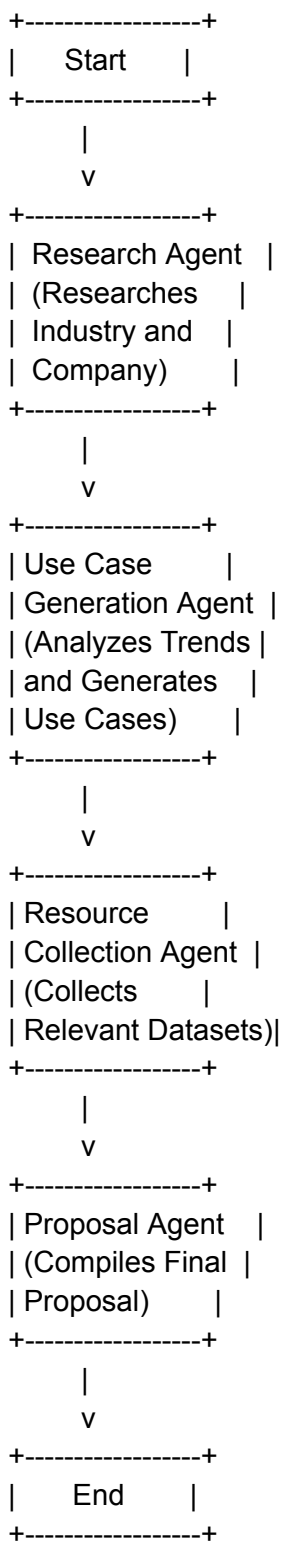
Flowchart Presentation



Multi-Agent Architecture for Market Research & Use Case Generation

This document outlines the design and implementation of a Multi-Agent architecture system aimed at generating AI and Generative AI (GenAI) use cases for specific companies or industries. The architecture consists of multiple agents that perform distinct tasks related to market research, use case generation, and resource asset collection.

Overview of Agents

1. Research the Industry or the Company

Purpose: Gather information about the industry and the specific company.
Tasks:
Utilize a web browser tool to research the industry (e.g., Automotive, Finance).
Identify the company's key offerings and strategic focus areas (e.g., operations, customer experience).
Collect vision and product information relevant to the industry.

2. Market Standards & Use Case Generation

Purpose: Analyze industry trends and propose relevant use cases.
Tasks:
Analyze AI, ML, and automation trends in the specified industry.
Propose use cases for leveraging GenAI and ML technologies to enhance operations and customer satisfaction.

3. Resource Asset Collection

Purpose: Collect datasets and resources related to the generated use cases.
Tasks:
Search for relevant datasets on platforms like Kaggle, HuggingFace, and GitHub.
Save the resource links in a text or markdown file.
Optionally propose GenAI solutions for document search or automated report generation.

4. Final Proposal

Purpose: Summarize the findings and present actionable insights.
Tasks:
List top use cases relevant to the company’s goals.
Provide references for suggested use cases.
Ensure resource asset links are clickable.

Conclusion:

This architecture aims to facilitate the generation of relevant AI and GenAI use cases tailored to specific companies or industries. By leveraging multi-agent systems, the process of market research, use case generation, and resource collection can be efficiently automated, providing valuable insights and actionable proposals.