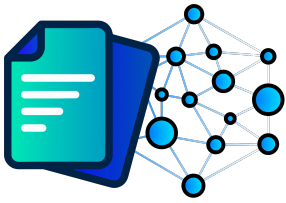
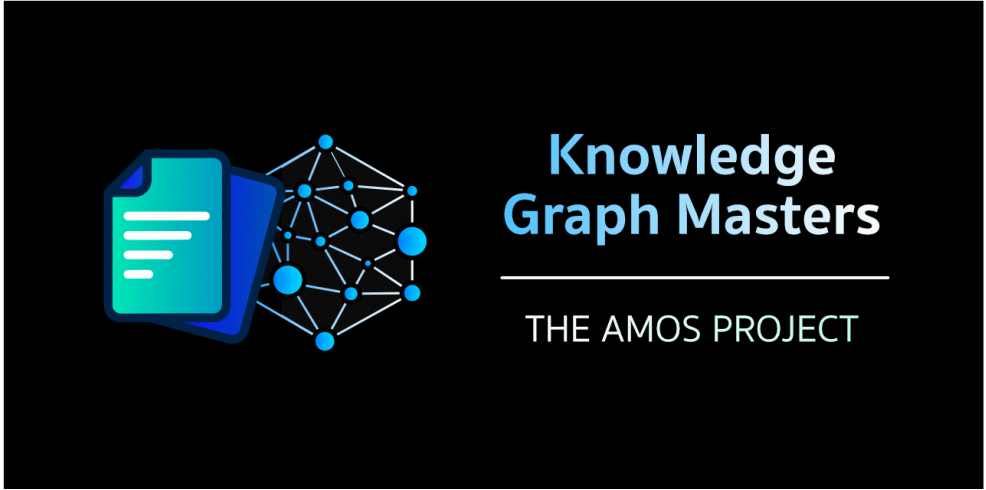
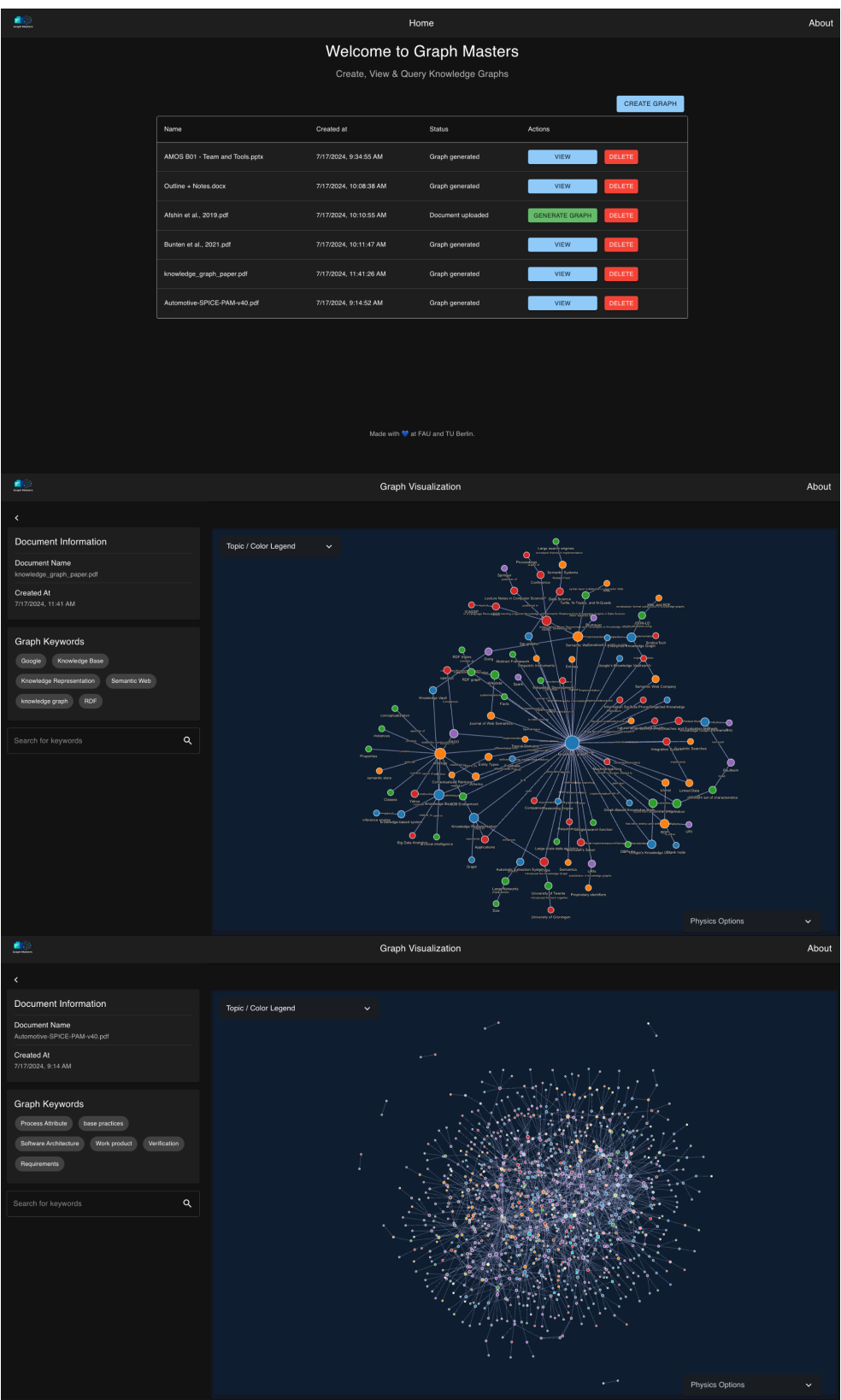


AMOS SS24 Project #5 Knowledge Graph Extractor

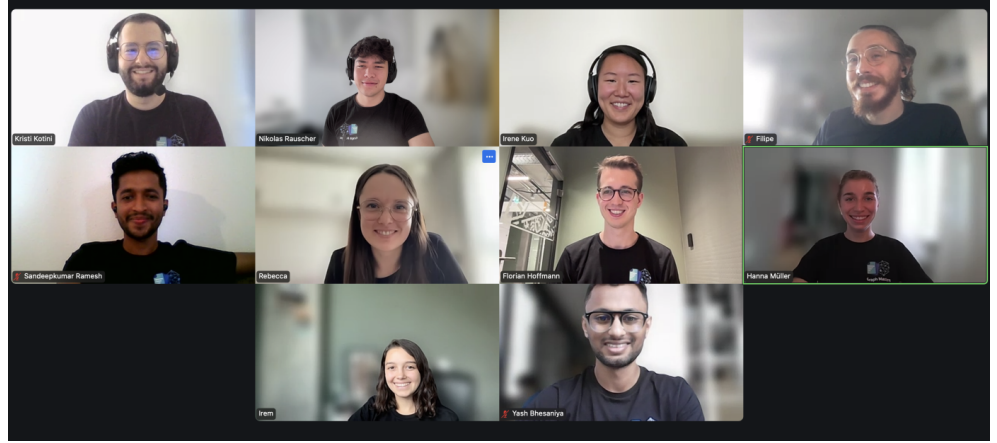
Project name	Knowledge Graph Extractor (Team name: Knowledge Graph Masters)
Project mission	<p>The mission of this project is to create an MVP knowledge graph generation in order to visually see clusters of information and how they're linked. The knowledge graph includes a basic search function to query information.</p> <p>Core functionality is ingesting user document(s), processing the data and extracting relationship entities through the use of LLMs, building and storing the knowledge graph, an interactive visual representation of the knowledge graph, and a basic search function for entities in the knowledge graph.</p>
Industry partner	Hella (FORVIA)
Team logo	<div><p>Graph Masters</p></div> <div></div>
Project summary	<p>There is lot of cooperate knowledge available, but finding the time to read and comprehend all of it can be challenging. That is why a solution had to be found to organize this information in a smarter way to make this more efficient and to reveal insights that may not have been noticed before. The overall vision of this project is therefore to develop an AI-powered chatbot that facilitates knowledge extraction from documents though knowledge graphs. These graphs visually represent the core concepts and their relationships as mentioned in these documents. Our project builds the foundation for this overall vision. We developed an MVP that generates a knowledge graph from uploaded documents. Users can interactively explore the graph to see clusters of information and how they are linked and utilize a basic search function to navigate and retrieve specific entities within it. Through generating such knowledge graphs from a corpus of text, information and knowledge is organized in a smarter way that is able to reveal different insights that may not have been noticed</p>

Project illustration

before.



Team photo



Project repository

<https://github.com/amosproj/amos2024ss05-knowledge-graph-extractor/tree/main>