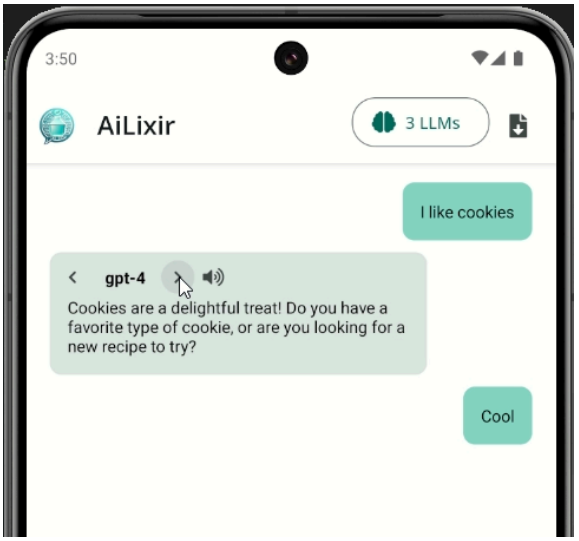
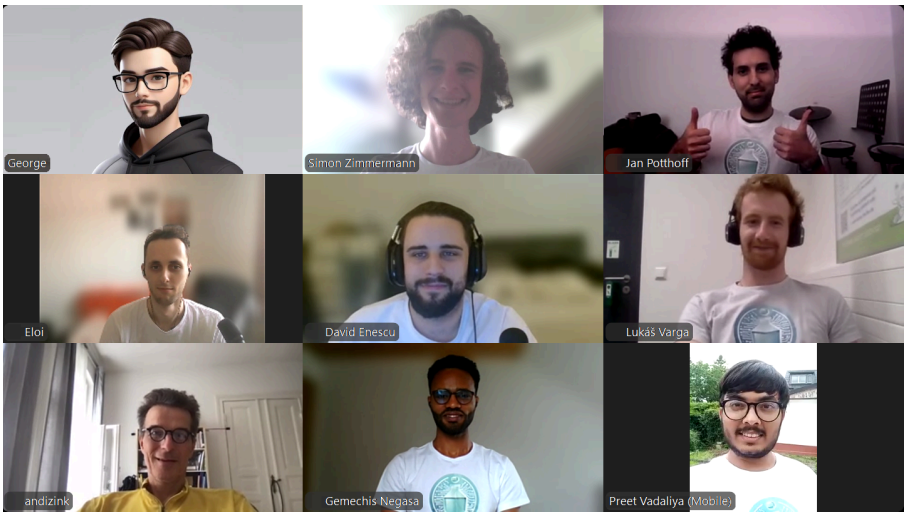
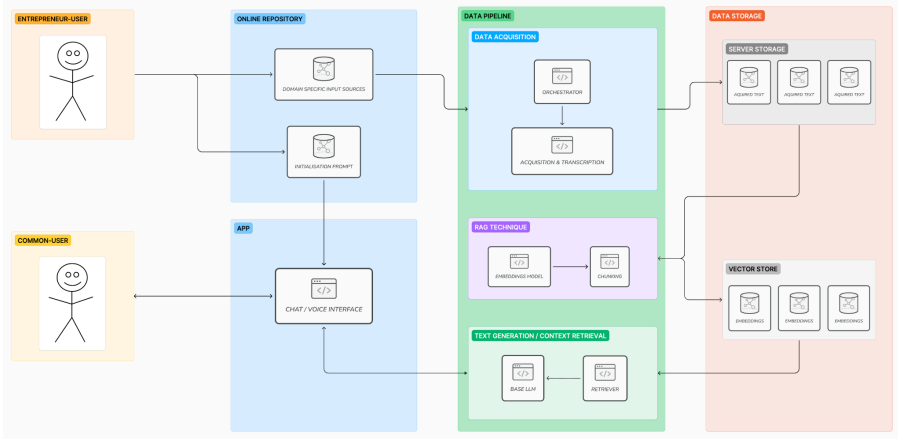
AMOS SS24 - Project 6
Ailixir - AI agent generation framework

Project name	Ailixir - AI agent generation framework
Project mission	Ailixir is a proof of concept for an AI-agent generation framework which primarily allows administrators to deploy agents specialised in various knowledge domains, for instance: health, economics, biology etc. Each agent is delivered via a mobile app which enables end users to compare the results produced by different LLMs when they have access to specialised domain knowledge.
Industry partner	Andi Zink
Team logo	
Project summary	The scrum team, composed of 6 software developers, 2 product owners and 1 scrum master, completed 121 backlog items (502 story points) within a timeline that spanned 11 weekly sprints. Ailixir's project goals achieved are: - Acquisition & storing of current knowledge from knowledge sources (websites, podcasts, videos, academic literature) utilising Python. - Receiving more accurate and relevant replies from the LLMs: Three different LLMs were integrated via LangChain.The acquired content was turned into custom domain context (embeddings in a vector store) utilising the Retrieval Augmented Generation (RAG) technique. The LLMs base their answers on this domain context and can provide links to the original sources. - Creation of a mobile app using React Native for interacting with the agents using text and voice.

Project illustration	
Team photo	
Project repository	https://github.com/amosproj/amos2024ss06-health-ai-framework
Additional information	System Architecture Diagram  Link to the project documentation wiki: https://github.com/amosproj/amos2024ss06-health-ai-framework/wiki