**AMOS SS24 - Project 6   
Ailixir - AI agent generation framework**

| Project name | Ailixir - AI agent generation framework |
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| 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 |