

Requirement ID: 1

Description: Set up project repository and environment (Python Backend)

Artifact: The goal of this requirement was to establish the foundational environment for backend development using Python. This includes the set up for initial structure and ensuring consistent development from all team members. The repository is our center for source code and configuration files. From this, we can keep track of collaboration and the different versions released in the different sprints. The artifact for this requirement is the repository on GitHub.

Requirement ID: 1.1

Description: Configure version control with Git and CI/CD pipeline

Artifact: This requirement is based on making a version control system and a pipeline for building, testing, and deployment for our project. We use Git for version tracking, making sure that our changes are traceable and reversible when needed to be. The artifact for this requirement is the commit commenting system and overall Git repository setup.

Requirement ID: 2

Description: Design basic app architecture (frontend-backend separation, WebSocket handling, etc.)

Artifact: The purpose of this requirement is to define and implement the core architectural structure of the chat application, focusing on the separation of concerns between frontend and backend, and the integration for real-time communication via WebSockets. This architecture serves as the technical foundation in future development, ensuring, maintainability, scalability, and performance. The artifact for this requirement is the backend structure with Python modules.