

## **Software Engineering Project Charter - Team 23**

Project Title: Planning and Logistics for Unified Project Management (PLUMP)

Purpose: The proposed web app aims to be an all-in-one solution to be used by employees taking part in a Software Engineering project. It has multiple user levels, catered towards team members, team/project leaders and project managers, with complimenting services for each.

Description: The web app that will be developed will have software centric features aimed at all levels of hierarchy in a project based context. We aim to have 3 to 4 levels of access. Including basic developers, project coordinators/managers and team leads.

Objective: The project aims to be completed by the end of May 2025, and the goal is to have a finished and fully working web app, with the above functionality, as well as other necessary tools. The web app will consist of multiple different webpages integrated together, as well as a fully working backend that seamlessly handles the data processing.

- Implement key features such as **event trackers**, **task management**, and **progress visualization**.
- Build an intuitive **user interface** with different access levels for project stakeholders.
- Ensure a **seamless backend** to handle data processing efficiently.
- Deliver a product that meets **usability, performance, and functionality criteria**.

Success Criteria: The success will be based on having a fully functional web app by the deadline, with proper services built in.

Sponsors: The main sponsor is Prof Dr. Joaquin Aguado

Major Deliverables: The deliverables will be submitted according to the timeline detailed by the Professor in class.

Acceptance criteria & Milestone Schedule: Also follows the timeline detailed by the Professor in class.

Constraints: The CLAMV database has an older python version that could cause conflicts with libraries we would like to use, therefore we have explored the idea of using docker containers or other external frameworks along with typescript to manage.

Major Risks: Exam season could cause the work on the project to stagnate and not meet the proper deadlines.

Reporting Requirements: Will be in the form of the deliverables submitted to the Professor before deadlines.