

CS 30700: Project Charter

Team 4: Alex Hardewig, Zach Johnson, Benjamin Kahlert, Eric Vondrak, David Wood, Ian Zanger

Project Coordinator: Shreya Inamdar

Problem Statement

Managing group work can be difficult due to conflicting schedules, unclear task assignments, differing rates of work, and disruptive meetings. Our application will address these issues by providing an easy way for users to see what project tasks have been completed, are in progress, and are yet to be completed. Task lists will be synced between users so that everyone is on the same page, and tasks will be assignable to specific teams, sub-teams, and individuals. This will allow team members to quickly and easily view the progress of sub-teams at a glance, or more generally the status of the entire project. Further, a “today” view individual to each team member will allow users to manage what tasks they hope to accomplish in their remaining hours of work that day. Some similar applications exist, such as Trello, but they lack the simplicity and ease of use that a supposed “productivity” aid demands, and essentially serve as online to-do lists. Our application will allow for viewing of the task flow of the different subgroups within a team and assist members in managing their time, allowing the application to become a central reference for project managers and individual members alike.

Project Objectives

- Create a simple, highly usable interface for managing Upcoming, Current, and Completed tasks.
- Enable group members to login and share common task lists, with edits updated in real time for all members.
- Allow users to set a schedule for the day based on available tasks, how long they expect to work on them, and how much time is left in the day.
- Create a system for quickly creating new tasks and assigning them to sub-groups, roles, and individuals.
- Develop a detailed filtering system allowing users to view the various levels of the project and who is working on what at a given moment.
- Enable users to focus on only their team's tasks or see what is in progress across the entire project.

Stakeholders

- Development Team: Alex Hardewig, Zach Johnson, Benjamin Kahlert, Eric Vondrak, David Wood, Ian Zanger

- Users: Any group that is working on a common project and would like to organize their workflow more effectively, especially large groups that are harder to coordinate through traditional methods.
- Project Coordinator: Shreya Inamdar

Deliverables

- A front end web application that allows team members to manage their project's tasks visually.
- A filtering system allowing users to see exactly the information relevant to them.
- A backend based on Firebase allowing teams to login securely and collaborate online in realtime.
- A day planner component that will help individuals organize their personal task flow by the hour.