

A1 : Project Management

For this subject, we will be designing an information system with a web interface, designed to facilitate project management. The driving force that motivated this topic resides in the necessity of good communication inside a team, maximizing the group's efficiency.

The wide range of scenarios in which this software can be of use, from professional environments with large scale products to small student projects, only heightens the importance of this interface.

In the application there are two types of projects, public or private. Regarding the users, there are project coordinators, team members, visitors, and system administrators.

The only interaction the visitor can have with the platform is by searching the top public projects, signing in or signing up. In this stage he/she has no access to any private project's specific information.

When logged in, a list will be presented with all of the user's current active projects, and the now active user is also capable of searching all public projects. When inside an active project, it will be possible to visualize all current tasks or groups of tasks, called sprints, as well as participating in its forum.

The coordinator is the main member of the group, having created the project. The creation, deletion and edit of tasks is only allowed by the coordinator, while the rest of the team can complete tasks, write comments and participate in the forum of the project.

Regarding tasks, inside a sprint each task has its own priority, determining the level of urgency of the task, as well as being a factor to help sort out the most important tasks at hand. Inside each task there can be comments that can be edited or deleted, either by the coordinator or by the user who wrote it.

The forum will have threads, created by any member of the group, and the management of the comments is done similarly both in each thread and each task, meaning that only the user that created them or the coordinator can edit or delete them.

Sprints have associated deadlines, and if a schedule is not met and there are still incomplete tasks to be done, they will be moved to the next sprint with a higher degree of priority.

Furthermore, each user will have the possibility of changing their profile, which includes their basic personal info. Finally, the coordinator can attribute roles to each member of the project team.

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