M1 Project Management
Software Requirements Specification

Kévin Driencourt   Florent Conderine

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1.1 Purpose

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2 Functional Requirements

2.1 Administrator Users

2.1.1 User Management

FR-ADM-1 The system shall allow administrators to create, edit and delete user accounts.

FR-ADM-2 The system shall enable administrators to assign roles to users (e.g., admin, project manager, team member).

FR-ADM-3 The system shall provide administrators the ability to manage user permissions and access levels.

2.1.2 System Configuration

FR-ADM-4 The system shall provide administrators access to system logs and performance tools.

2.2 Project Manager

2.2.1 Project Management

FR-PM-1 The system shall allow project managers to create new projects with details such as project name, description, start date, end date, and team members.

FR-PM-2 The system shall enable project managers to assign tasks to team members within a project.

FR-PM-3 The system shall allow project managers to set project priorities and deadlines.

2.2.2 Task Management

FR-PM-4 The system shall allow project managers to create tasks within a project, including assigning them to team members.

FR-PM-5 The system shall enable project managers to set task priorities, deadlines, and dependencies between tasks.

2.2.3 Team Collaboration

FR-PM-6 The system shall provide project managers with a comment feature for communication with team members on specific tasks.

2.2.4 Time Tracking and Reporting

FR-PM-7 The system shall allow project managers to view reports on the time logged by team members on specific tasks and projects.

FR-PM-8 The system shall generate reports detailing overall project progress, including time spent and task completion status.

2.2.5 Notifications and Alerts

FR-PM-9 The system shall shall allow project managers to configure project-specific alerts for key milestones or deadlines.

2.3 Team Member

2.3.1 Task Management

FR-TM-1 The system shall allow team members to view tasks assigned to them with associated priorities and deadlines.

FR-TM-2 The system shall enable team members to update the status of their tasks (e.g., pending, in-progress, completed).

FR-TM-3 The system shall provide team members the ability to organize tasks by labels and view task dependencies.

2.3.2 Team Collaboration

FR-TM-4 The system shall allow team members to comment on tasks to communicate with other team members.

2.3.3 Time Tracking

FR-TM-5 The system shall allow team members to log time spent on each assigned task.

FR-TM-6 The system shall provide team members with the ability to view their personal time logs and task history.

2.3.4 Notifications and Alerts

FR-TM-7 The system shall notify team members of new task assignments, task updates, and approaching deadlines.

FR-TM-8 The system shall provide team members with alerts for comments or mentions in task-related discussions.

2.4 All Users

2.4.1 Account Management

FR-ALL-1 The system shall allow users to register and create accounts.

FR-ALL-2 The system shall provide users the ability to log in and log out.

FR-ALL-3 The system shall allow users to manage and update their personal profiles, including password updates.

2.4.2 Communication

FR-ALL-4 The system shall allow users to communicate with other users via a chat.

FR-ALL-5 The system shall allow users to select with which user(s) they want to start a chat.

2.4.3 Dashboard Overview

FR-ALL-6 The system shall display key project indicators, such as task progress, upcoming deadlines, and recent activity on the user's dashboard.

3 Non-functional Requirements