

WorkSphere

Task Management & Team Collaboration Tool

Deliverable #2

Sprint Backlog

A project by
Aura++



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Sprint #1 Backlog

Introduction

Sprint #1 focuses on establishing the core functionalities of WorkSphere, ensuring that users can authenticate and manage their profiles, and create projects while allowing project managers to organize their teams efficiently. The following backlog outlines user stories, priorities, tasks, and milestones for this sprint.

User Stories & Priorities

1. **User Registration (High Priority)**
As a User, I want to register an account so that I can access WorkSphere.
2. **User Login (High Priority)**
As a User, I want to log in to my account so that I can use the system.
3. **Password Reset (Low Priority)**
As a User, I want to reset my password so that I can regain access if I forget it.
4. **Profile Update (Low Priority)**
As a User, I want to update my profile details so that I can personalize my account.
5. **Project Creation (High Priority)**
As a User, I want to create and manage projects so that I can organize different tasks and activities.
6. **Team Management (Medium Priority)**
As a Project Manager, I want to invite or remove team members from my project so that I can manage my team efficiently.
7. **Role Assignment (Medium Priority)**
As a Project Manager, I want to assign user roles (admin, member, guest) to my team so that I can control access to tasks and settings.
8. **Task Creation (High Priority)**
As a Project Manager, I want to create tasks so that the work is divided into reasonable workable chunks.
9. **Task Deadlines (Medium Priority)**
As a Project Manager, I want to set deadlines for tasks so that work progresses on schedule.
10. **Task Prioritization (Medium Priority)**
As a Project Manager, I want to set task priorities so that my team knows which tasks are most important.

Sprint #1 Task Breakdown

1. Setup Project Repository & GitHub

- Create a project repository on GitHub. Set up a basic folder structure.

2. Backend & Frontend Setup

- Set up Java and Spring Boot backend systems.
- Begin work with HTML, CSS, and React.js for the front end.
- Set up basic routing for authentication and project management.
- Configure database and ORM/ODM.

3. Database Setup

- Design the MySQL schema for users, projects, teams, and roles.
- Implement relationships (one-to-many for projects to teams, many-to-many for roles).
- Ensure data integrity and migrations.

4. User Management (Registration, Login, Profile Management)

- Implement UI and backend APIs for registration, login, and profile management.
- Secure authentication with password hashing and validation.

5. Project & Team Management

- Implement UI and backend for project creation and listing.
- Develop functionality for team invitations and role assignments.
- Implement role-based access control (admin, member, guest).

6. Task Management User Stories

- Implement UI and backend APIs for task creation, deadlines, and priorities.
- Implement validation for task dependencies and scheduling.
- Ensure role-based access control for task management.

Sprint #1 Milestones

- User authentication (sign-up, login, password reset).
- Profile management (update user profile).
- Project creation and listing.
- Team management (invite members, assign roles).
- Basic task management (create tasks, set deadlines, prioritize tasks).
- Backend and frontend integration.

Sprint #2 Backlog

1. **Task Assignment (High Priority)**
As a Project Manager, I want to assign tasks to team members so that work is distributed efficiently.
2. **Task Status Update (Medium Priority)**
As a Team Member, I want to update the status of my tasks so that everyone is aware of the progress.
3. **Kanban Board View (High Priority)**
As a User, I want to view tasks on a Kanban board with columns so that I can visually track and divide the project for ease and understanding.
4. **Kanban Task Movement (Medium Priority)**
As a User, I want to move tasks between different Kanban board columns so that I can update the task's progress.
5. **Task Filtering & Sorting (Low Priority)**
As a User, I want to filter and sort tasks based on priority, deadline, and assignee so that I can quickly review project progress.
6. **Task Search (Low Priority)**
As a User, I want to search for specific tasks by name or keyword so that I can find tasks quickly.
7. **Task File Attachment (High Priority)**
As a Team Member, I want to attach relevant documents and files to a task so that I can share important resources with my team.
8. **Task File Viewing (Medium Priority)**
As a Team Member, I want to view a list of all attached files within a task so that I can quickly find and reference necessary documents.