

Progress Report

(Increment 1)

Group 7

Team Members

- Alek Coupet
- Sayed Haidar Alhussaini
- Bilal Taleb

Project Title and Description

MERN Task Management Web Application

This project involves developing a web application for task management using the MERN stack (MongoDB, Express, React, and Node.js). The application will allow users to create, edit, and manage tasks and collaborate within organizations. It will also feature calendar integration for task tracking and role-based permissions.

Accomplishments and overall project status during this increment

- We have completed the initial planning phase of the project, focusing on the requirements and design.
- The project idea has been fleshed out, and we have identified key features such as user authentication, task creation, role-based permissions, and calendar integration.
- The GitHub repository has been set up, and we've outlined tasks in the issue tracker.
- Research has been conducted on the MERN stack, and the tools for task tracking and user role management have been selected.

Challenges, changes in the plan and scope of the project, and things that went wrong during this increment

- The primary challenge during this phase was deciding on the complexity of the features and narrowing down which ones would be feasible to implement within the given time frame.
- No major changes to the plan or scope have been made at this point.

Team Member Contribution for this increment

- Alek Coupet: Worked on the project structure and initial planning, contributed to the RD document. Focused on organizing tasks in the issue tracker and setting up the GitHub repository.
- Sayed Haidar Alhussaini & Bilal Taleb: Helped research the MERN stack and contributed to the IT document.

Plans for the next increment

- Begin coding the basic structure of the application, focusing on user registration and task creation.
- Implement the basic layout of the dashboard.

Stakeholder Communication:

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Subject: Progress Update on Task Management Web Application

Dear Mr. Mills,

I'm writing to provide a brief update on the Task Management Web Application. We have completed the planning and design phase, outlining the core features such as task creation, role-based permissions, and calendar integration. The application will be built using the MERN stack (MongoDB, Express, React, and Node.js), ensuring it is scalable and user-friendly.

While we haven't begun coding yet, we've structured the project and identified key tasks in our issue tracker. The primary challenge so far has been ensuring seamless role-based access for different user levels, but we have plans in place to address this.

In the next phase, we will focus on implementing user authentication and basic task management functionality.

We appreciate your continued support and will keep you updated as we move forward.

**Best regards,
Alek Coupet
Task Management Web Application Team**

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Link to video

https://youtu.be/MEKx2v_JSIA