

CSE299 - JUNIOR DESIGN



Project Title :

Modern Task Management Platform for Corporate Teams

GROUP 3

SECTION 4

Presented by Group 3 :

| Name | ID |
|--------------------------|------------|
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Instructor :

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Outline

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Introduction & Motivation

Large teams often struggle with miscommunication, unclear roles, and limited visibility into progress. Existing tools are frequently too complex or generic to address these issues effectively. This project aims to build a modern platform that enables efficient collaboration, real-time updates, and clear progress tracking.

Problem Statement



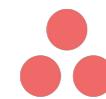
- Managing large corporate teams is difficult
- KPIs and employee progress often hard to track
- Old project management apps: cluttered, slow, poor visualization
- **Our platform: clear, simple, scalable**

Similar Solutions



Trello

Simple Kanban board, lacks reporting.



asana



Jira

Advanced but overwhelming for new users.



MS Project



wrike

Outdated UI, slow performance.

Proposed Solution

Platform Highlights:

- Workspace creation & personalization 
- Team management with roles (Admin, Manager, Contributor, Viewer) 
- Project creation and member assignment 
- Task tracking with drag-and-drop, progress bars, priorities 
- Attach files & links, activity logs, comments, subtasks 
- Central dashboard with metrics and notifications 

Features

- Dashboard: All tasks in one place
- Task Cards: To Do, In Progress, Done with progress bars
- Activity Feed: Updates in chronological order
- Invites & Permissions: Email/link-based, role management
- Views: Grid & list view
- Security: Password & 2FA

Project Environment

Frontend :



Backend :



Database :



Additionals :



Deployment :



Timeline

Update 1

-

Project setup, sign-in/sign-up, authentication, email verification, reset password

Update 2

-

Dashboard layout, create workspace

Update 3

-

Workspace details, create project

Update 4

-

Project details, create task

Update 5

-

Task details, task list, task update

Update 6

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Workspace members, member invites

Update 7

-

Fully deployed web app

Roles & Responsibilities

- **Farhan Karim - 2311790642** : Responsible for UI/UX design, dashboard layout, and frontend integration using React.js and Tailwind CSS. Focuses on creating an intuitive and visually appealing user experience.
- **Safat Uddin - 2311966642** : Handles backend development, authentication logic, and database operations using Node.js, Express, and MongoDB. Ensures data security and API reliability. Connects frontend components with backend APIs and ensures overall design consistency.
- **Faizur Rahman Zunayed - 2312137642** : Works on frontend component integration using shadcn/ui and React.js, focusing on implementing reusable UI components and enhancing user interactivity like form handling.

Conclusion

The proposed system enhances communication and efficiency for corporate teams. Combines usability and powerful features for modern project management. Aims to replace outdated tools with a visually appealing and reliable solution.