



Project 4 from Flipkart Internet Pvt. Ltd

Title: Project Management Tool

Client Query:

Project Management Tool:

Develop a tool that allows teams to manage projects, assign tasks, and track progress. Implement drag-and-drop functionality and real-time collaboration using WebSocket's.

Technologies Used:

The **technologies used** for the project management tool are as follows:

- **Frontend:**
 - **HTML:** Used for structuring the web pages.
 - **CSS:** Applied for styling and layout design of the web pages.
 - **JavaScript:** Enables interactive features on the site.
 - **React.js:** Connects different web pages and manages data flow across the application.

Main Overview:

Core Features

- **Project and Task Management:** Teams can create projects, assign tasks, set deadlines, and track task status.



- **Drag-and-Drop Functionality:** Tasks can be easily rearranged using drag-and-drop within lists (such as "To Do," "In Progress," and "Done").
- **Real-Time Collaboration:** Real-time updates are broadcast to all users currently viewing the project. Changes made by one user appear instantly to other users.

What web pages are included?

- A stunning project management app interface page with best practice side navigation.
- A calendar screen demonstrating streamlined organization and day/week/month visualization.
- Project overview page demonstrating all the necessary components your design should include navigation and links.
- Reporting and new task addition screens to cover all the core areas.

System Architecture Diagram

1. User Interface (UI) Layer

- **Dashboard (Main Page):** Contains a welcome message, navigation menu, and login option.
- **Menu Sidebar:**
 - **User Profile:** Access to view and edit user profile information.
 - **Projects:** Displays a list of all available projects.
 - **Workflow:** Shows the tasks and workflows for the current day.
 - **Calendar:** Provides a calendar view to manage schedules.



- **Settings:** Page to configure system or user-specific settings.
- **Logout:** Allows the user to log out of the application.

2. Functional Pages

- **First Page: Dashboard** – Serves as the central hub with quick access to other sections.
- **Second Page: Projects** – Displays a detailed list of projects.
- **Third Page: Today's Workflows** – Focuses on tasks or workflows assigned for the day.
- **Fourth Page: Calendar** – Presents a calendar for scheduling and deadline tracking.
- **Fifth Page: Settings** – Configuration and personalization options.

3. Navigation Flow

- The Menu Sidebar allows seamless navigation between functional pages.
- Dashboard acts as the main entry point, linking to each functional page.
- Each functional page has a dedicated purpose but is connected through the Menu Sidebar for consistent navigation.

4. Data and User Management

- **Authentication:** Login functionality for secure user access.
- **Session Management:** Tracks user activity and maintains session state.
- **User Roles and Permissions:** Configurable settings based on user roles (e.g., admin, team member).



Coming to Project Deadline:

The project timeline spans from November 2024 through to the deadline in March 2025, providing a structured timeframe of five months for development and completion.

Company Address:

Flipkart Internet Pvt. Ltd (ETV Location)

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