Project Idea

TaskFlow is a web application that has been developed by our project and that is aimed at assisting users in justifying their day to day tasks and projects in a simplistic and effective manner. The key idea behind TaskFlow is to ensure that users are able to create, view, edit and delete tasks without any complexity. The users will be supported to add new tasks and specify such details as task name, task description, and due date and then handle them directly through a clean-looking dashboard. The list of all the active and completed tasks will also be displayed at the site, and the users will be able to keep track of their objectives.

In this initial launch, we will be developing the base functionality of the application. This involves the establishment of a landing page with the TaskFlow logo, the creation of a form where new tasks can be established and a table that lists all the tasks in the database. All tasks will be able to support the complete CRUD features, i.e. the users will have the opportunity to create new tasks, see the information, change it and cancel it after completion. Although the design will be basic at this point, the site will be complete and can be expanded upon in the future with additions of authentication and task lists specific to users.

The reason behind the choice of this project is it demonstrates the concepts of web development that are present in the real world such as database integration, front-end interaction, and dynamic routing which are all important skills of a web developer. It also enables every group member to make an equal input, front end design and back end code as well as deployment of the application and testing.

Group Member Contributions – Project Part 1

Each group member participated equally in the development and completion of the project. The workload was divided among front-end, back-end, and deployment/testing roles to ensure balanced collaboration and consistent progress throughout all stages of the project.

Muneeb B — Frontend Developer
Designed and developed the landing (home) page including the team logo and navigation buttons. Created the HTML and CSS structure for adding and viewing tasks, and assisted with integrating the front-end with the back-end functionality. Managed the GitHub repository and maintained project documentation.

Saad H — Backend Developer
Implemented all CRUD operations and linked the forms with the task table. Conducted debugging, input validation, and functionality testing to ensure smooth and error-free performance of all features.

Saad C — Deployment & Testing
Deployed the website publicly using Render and managed GitHub commits. Conducted full functionality testing, troubleshooting, and ensured proper operation of all CRUD paths. Prepared and presented the final demo video.

Group Member	Tasks/Files Completed	Description of Contribution
Saad Habib	app.js, addTask.ejs, style.css	Developed the main backend logic in app.js, designed the "Add Task" page, and styled the website layout using CSS. Worked closely to ensure functionality and consistency across all pages.
Muneeb Bukhari	index.ejs, editTask.ejs, logo	Created the homepage and "Edit Task" page, designed the project logo, and helped integrate frontend elements with backend functionality. Assisted in layout design and user experience improvements.
Saad Choudhary	GitHub setup, Render deployment, testing, troubleshooting, demo	Set up and managed the GitHub repository, deployed the website using Render, tested multiple commits for bugs, fixed deployment

		issues, and presented the live demo showing how the site works.