

GitHub Students Club LPU

Web Development Project Assignments

Welcome to the Web Development section of the **GitHub Students Club LPU**. Below are four project assignments designed to help you enhance your web development skills. Each project carries **10 points**, and you are free to use any tech stack of your choice. However, we recommend using **HTML, CSS, and JavaScript** as a foundation for these projects.

You are encouraged to consult the **Technical Team** if you require assistance.

Project 1: Interactive Quiz Platform

Problem Statement:

In the educational sector, traditional quizzing methods often fail to engage students and provide timely feedback. Develop a **digital quiz platform** where users can select answers and receive **instant feedback**. The platform should support various question types (MCQs, True/False, etc.), track user performance, and enhance user engagement.

Requirements:

- Interactive quiz interface
- Instant feedback on selected answers
- Multiple question types supported (MCQ, True/False, etc.)
- Track user progress and performance

Points: 10

Project 2: To-Do List Application

Problem Statement:

Managing tasks effectively is essential for productivity, yet many users struggle with current task management solutions. Develop a **To-Do List application** that allows users to seamlessly **add, edit, and delete tasks**. The app should provide an intuitive interface and save tasks persistently for future reference.

Requirements:

- Add, edit, and delete tasks
- Intuitive user interface
- Persistent data storage (local storage or database)
- Track task completion status

Points: 10

Project 3: Weather Information Page

Problem Statement:

Access to accurate and timely weather information is essential for daily planning. Develop a **weather information page** that displays the **current weather conditions** based on user input (city) or the user's location. The app should feature real-time data and provide essential information like temperature, humidity, and weather conditions.

Requirements:

- Retrieve weather data using location or user input
- Display real-time weather information
- User-friendly, clean interface
- Show essential weather details: temperature, humidity, etc.

Points: 10

Project 4: Task Management Board with Drag-and-Drop

Problem Statement:

Effective task management requires a flexible solution that adapts to individual workflows. Build a **Task Management Board** where users can **drag and drop tasks** between different categories (To-Do, In Progress, Done, etc.). The platform should offer a visual and interactive interface for easy task organization.

Requirements:

- Drag-and-drop functionality for tasks
- Multiple categories for task organization
- Visual, interactive interface
- Save and manage tasks persistently

Points: 10

Instructions:

- You must complete **one** out of the four projects listed above.
- Use **HTML, CSS, and JavaScript** as the recommended tech stack for your project.
- Ensure that the interface is **user-friendly** and the code is well-organized.
- Projects should be submitted by the **due date** to avoid penalties.

Warning:

Copying or cheating in any form will not be tolerated. Any such actions will lead to **immediate disqualification** from the club and termination of membership. Be original and strive to learn from the projects!

Contact the Technical Team

For any technical assistance or queries, feel free to reach out to the **Technical Team** via official channels.

