Project Title	To-Do List App
Technologies	HTML, CSS, JavaScript
Project Difficulties level	Intermediate

Project Description

Objective: The goal of this project is to create a simple web-based to-do list application using HTML, CSS, and JavaScript. This project will help students practice front-end web development skills and gain experience in building interactive web applications.

Project Description: In this assignment, you will design and implement a to-do list application that allows users to add, edit, and delete tasks. The application should provide a user-friendly interface and should be responsive to different screen sizes.

Requirements:

User Interface:

- Create a visually appealing user interface for the to-do list. You can use HTML and CSS to design the layout and styling.

- Include a section where users can input a new task.

- Display the list of tasks with checkboxes to mark them as completed.

- Add options to edit and delete tasks.

Functionality:

- Users should be able to add new tasks by entering text and pressing a "Add" button.

- Each task should have an option to mark it as completed or incomplete by checking/unchecking a checkbox.

- Provide an option to edit the task description.

- Allow users to delete tasks they no longer need.

Validation:

- Implement basic validation to ensure that users cannot add empty tasks.

- Handle any potential errors gracefully and provide clear feedback to users.

Local Storage:

- Use JavaScript to store the to-do list data in the browser's local storage so that tasks persist even if the user refreshes the page.

Responsive Design:

- Ensure that the application is responsive and works well on both desktop and mobile devices. Use CSS media queries for responsiveness.

Additional Features (Optional):

- Consider adding features like task prioritization, due dates, or task categories if you want to challenge yourself further.

Submission Guidelines:

- Submit your project as a zip file containing HTML, CSS, and JavaScript files.

- Include a README.md file explaining how to run your application and any additional features you have implemented.

Grading Criteria: Your project will be evaluated based on the following criteria:

- Functionality (50%): Does the application perform the required tasks accurately and efficiently?

- User Interface (30%): Is the user interface well-designed, intuitive, and responsive?

- Code Quality (20%): Is the code well-structured, organized, and properly commented?

Important Notes:

- You are encouraged to explore and use additional JavaScript libraries or frameworks if you wish, but the core functionality should be implemented using HTML, CSS, and vanilla JavaScript.

- Plagiarism will not be tolerated. Ensure that the code you submit is your own work.

This project is designed to test your front-end development skills and creativity. Have fun building your to-do list app. Good luck!