

Report:

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Task Title: To-Do List Web Application Development

Task Description: Develop a To-Do List web application where users can add tasks, mark them as completed, and remove them.

Steps Taken: Created the basic HTML structure for the application, including input field, add button, and task list. Styled the application using CSS to improve visual appearance and user experience. Implemented JavaScript functions to add tasks dynamically to the list, mark them as completed, and remove them when necessary. Utilized local Storage to store tasks locally, ensuring persistence across page reloads.

Challenges Faced: Managing dynamic addition and removal of tasks while maintaining a clean and user-friendly interface. Ensuring that the application is responsive and functions correctly across different devices and screen sizes.

Solutions Implemented: Used event listeners to capture user interactions such as adding, marking, and removing tasks. Employed conditional statements to handle edge cases such as empty input or task removal. Utilized local Storage to store and retrieve task data, providing seamless persistence.

Learnings: Enhanced understanding of DOM manipulation and event handling in JavaScript. Learned effective strategies for managing state and data in web applications using local Storage. Gained experience in developing interactive and responsive user interfaces.

Project Update: The To-Do List web application has been successfully developed and deployed, allowing users to manage their tasks efficiently. Further improvements such as task categorization, due dates, or additional features can be considered based on user feedback and requirements.