

MLSA

PROJECT DESCRIPTION

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1. Introduction

- Brief overview of the web development program
- Purpose of the project: To build a functional calculator and to-do list using web technologies

2. Project Objectives

- Build an intuitive calculator interface that performs basic arithmetic functions
- Create a dynamic to-do list that allows users to add, mark as completed, and delete tasks
- Enhance JavaScript, HTML, and CSS skills through practical application
- Emphasize user interface (UI) and user experience (UX) design principles

3. Key Features

Calculator Features

- Basic Arithmetic Operations:** Addition, subtraction, multiplication, division
- Clear/Reset Button:** Ability to clear the entire input or reset to start fresh
- Decimal Support:** Inclusion of decimal points for more precise calculations
- Error Handling:** Manage division by zero and other invalid inputs
- Keyboard Input:** Support for number input and operators through keyboard for convenience

To-Do List Features

- Task Management:** Add new tasks with an input field and button
- Task Completion:** Mark tasks as completed to cross them off
- Delete Tasks:** Option to remove tasks from the list
- Task Persistence:** (Optional) Save tasks to local storage to retain them across sessions

4. Technology Stack

- HTML5**: Structure of the web pages
- CSS3**: Styling and layout, creating a responsive and visually appealing interface
- JavaScript**: Core functionality, interactivity, and logic for calculator operations and to-do list management

5. Conclusion

- Summary of the learning outcomes
- Future enhancements: Advanced calculator functions, better task filtering, or adding deadlines to tasks