Job Simulation: Basic Web Calculator

Project Title: Creating a Simple Arithmetic Calculator
Role: Front-End Developer Intern
Tech Stack: HTML, CSS, JavaScript

Project Objective

The goal of this task is to design and build a basic web-based calculator that performs simple arithmetic operations. You'll use HTML and CSS to construct the user interface and JavaScript to add functionality. This project will help you understand how to interact with HTML elements using JavaScript, setting a strong base for learning about the Document Object Model (DOM).

Assignment Details

As a part of this onboarding challenge, you're expected to implement a calculator that can compute:

- Addition (+)
- Subtraction (−)
- Multiplication (×)
- Division (÷)

UI Requirements

Your calculator interface should include:

- Two input boxes to accept numeric values
- Four buttons for the respective arithmetic operations
- A section (like a or) to display the calculated result
- A basic, user-friendly layout designed using HTML and CSS

Functional Requirements

- Use JavaScript to handle all calculations and interactions
- Get input values via element IDs (e.g., document.getElementById)
- Convert input to numerical form using Number() or parseFloat()
- Implement checks to avoid issues like division by zero
- Display the output dynamically on the page

Optional Enhancements (Bonus)

- Add a “Clear” button to reset all fields and outputs
- Improve user interface using CSS (colors, layout spacing, font styles, etc.)

Final Deliverables

Prepare a project folder that includes:

- index.html – Contains the HTML structure
- style.css – Includes CSS styling rules
- script.js – JavaScript file with logic and interaction code

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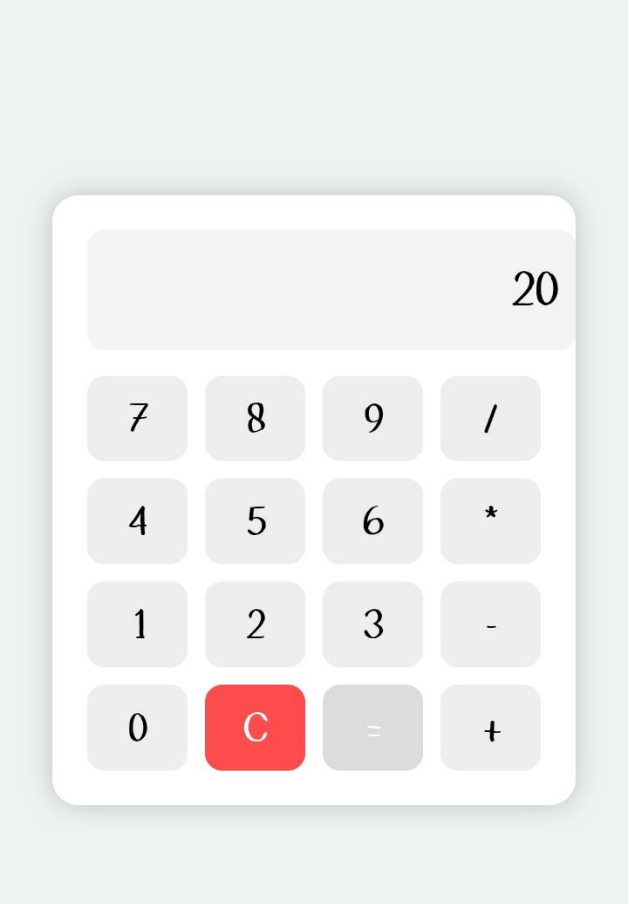
Skills You'll Develop

- Building structured and semantic HTML pages
- Styling with CSS for layout and visual clarity
- Writing basic JavaScript functions for interactivity
- Connecting frontend elements using JavaScript and manipulating the DOM
- Implementing simple form validation and feedback

Project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