

Lab Assingment-14

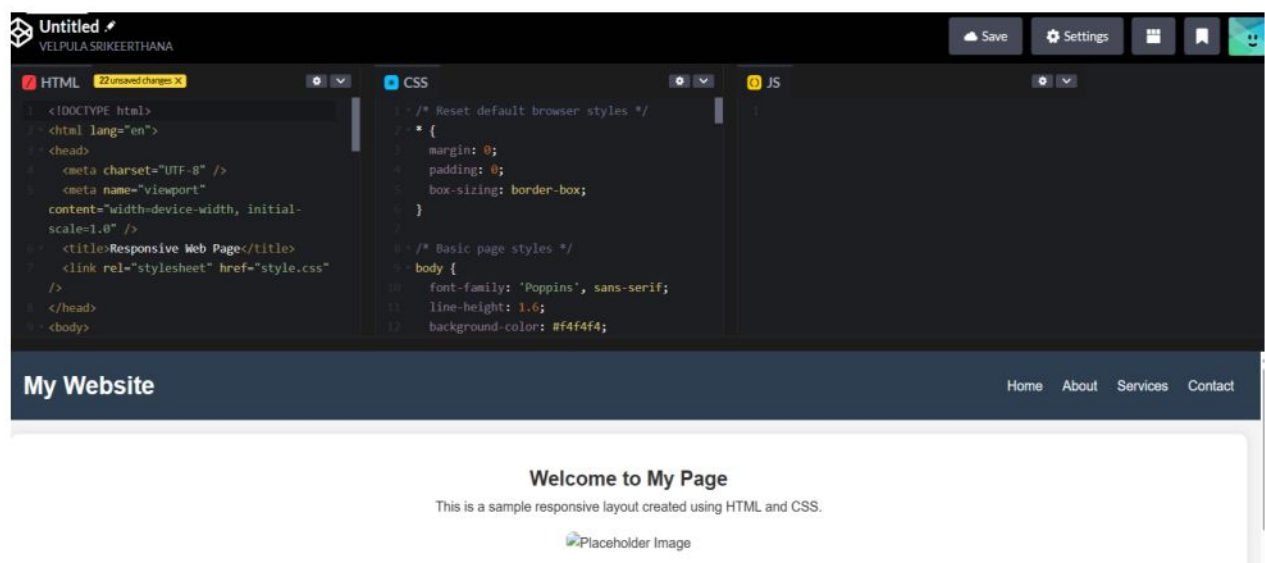
Task 1: Create a Responsive Web Page Layout

Instructions:

- Design a basic web page layout with a **header**, **main content area**, and **footer** using HTML and CSS.
- Use AI to assist in generating **responsive CSS** for different screen sizes.
- Ensure the layout is clean and visually organized.

Expected Output:

- A responsive web page with:
 - Header with navigation links
 - Main section with placeholder text/images
 - Footer with copyright or contact info
- Layout adapts correctly to desktop, tablet, and mobile screen sizes.



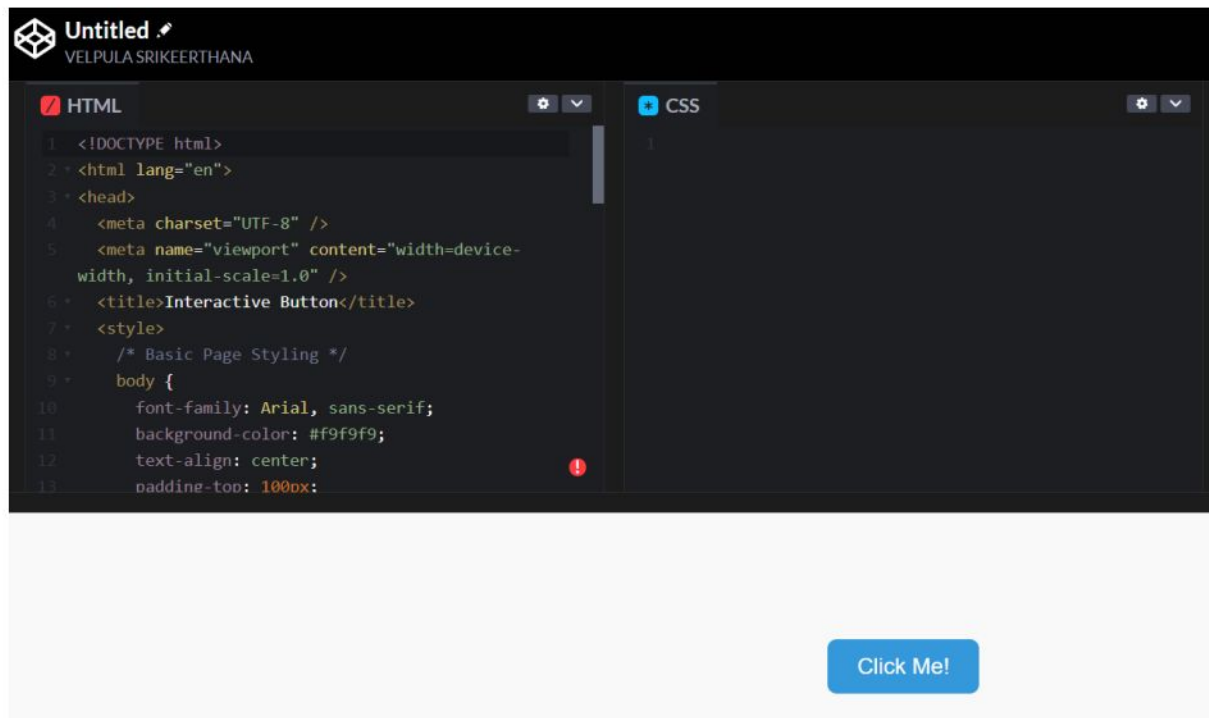
Task 2: Interactive Button with JavaScript

Instructions:

- Create a **button** on a web page.
- Use AI to generate JavaScript code that displays an **alert message** when the button is clicked.
- Ensure the code is clean and well-commented.

Expected Output:

- A web page with a button.
- Clicking the button shows a pop-up alert message, e.g., “Button clicked!”.



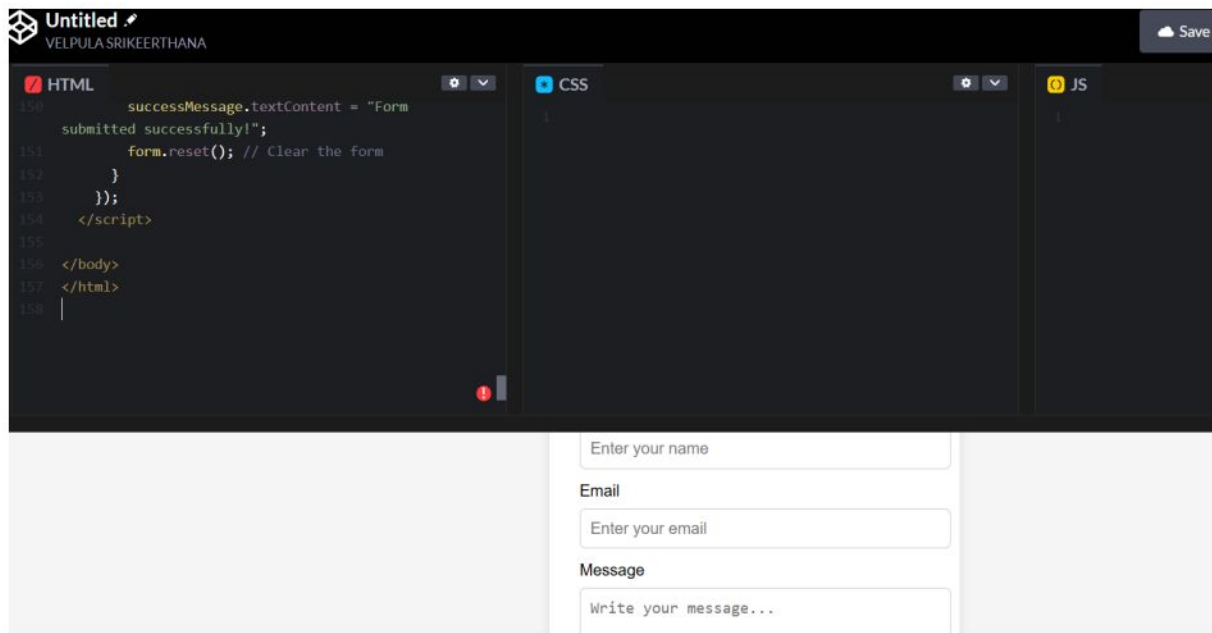
Task 3: Form with Validation

Instructions:

- Design a **contact form** with fields: Name, Email, Message.
- Use AI to generate JavaScript code for **form validation** (e.g., non-empty fields, valid email format).
- Add **inline error messages** if input is invalid.

Expected Output:

- A functional contact form where:
 - Submitting with empty fields shows error messages.
 - Submitting with valid input displays a “Form submitted successfully” message.



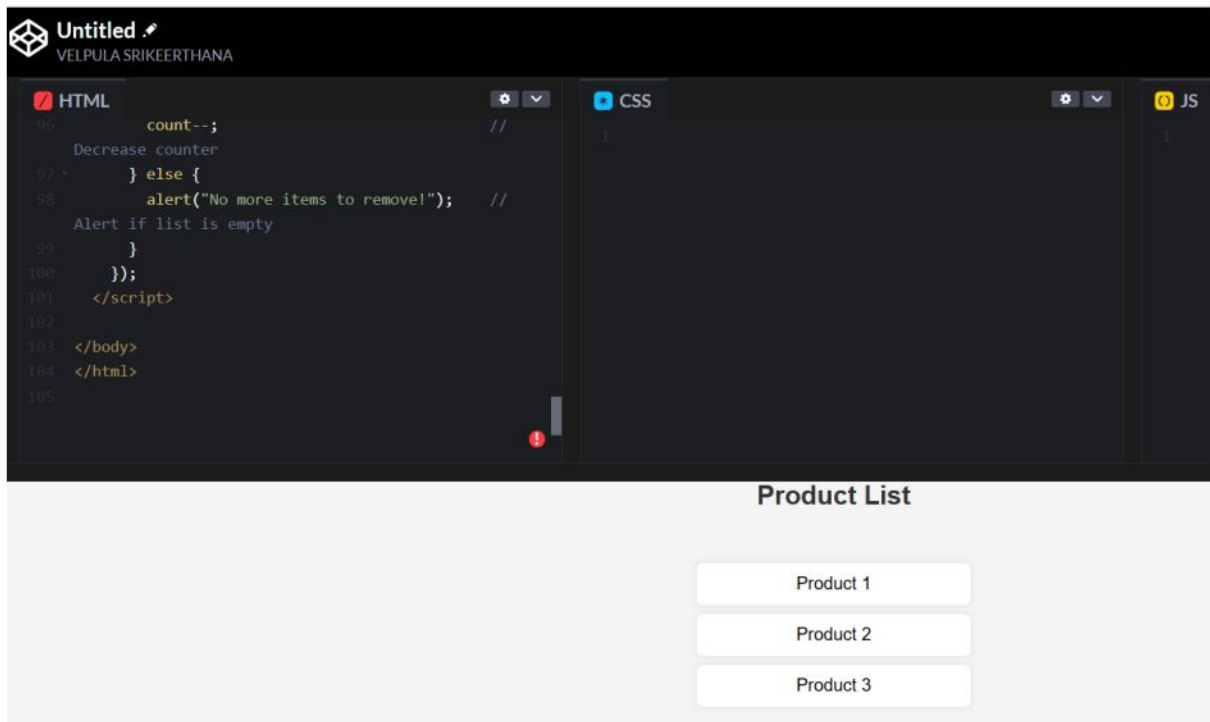
Task 4: Dynamic Content Generation

Instructions:

- Create a list of items (e.g., product names) using **HTML**.
- Use AI-generated JavaScript to **dynamically add or remove items** from the list when a button is clicked.

Expected Output:

- A web page with a list and buttons:
 - "Add Item" adds a new item to the list dynamically.
 - "Remove Item" deletes the last item.
- Updates occur without reloading the page.



Task 5: Styled Modal Popup

Instructions:

- Use AI to generate a modal popup that opens when a button is clicked.
- Style the modal using CSS with a semi-transparent overlay.
- Include a close button that hides the modal.

Expected Output:

- A web page with a button labeled "Open Modal".
- Clicking the button displays the modal popup with content.
- Modal can be closed by clicking the "X" button or overlay area.

