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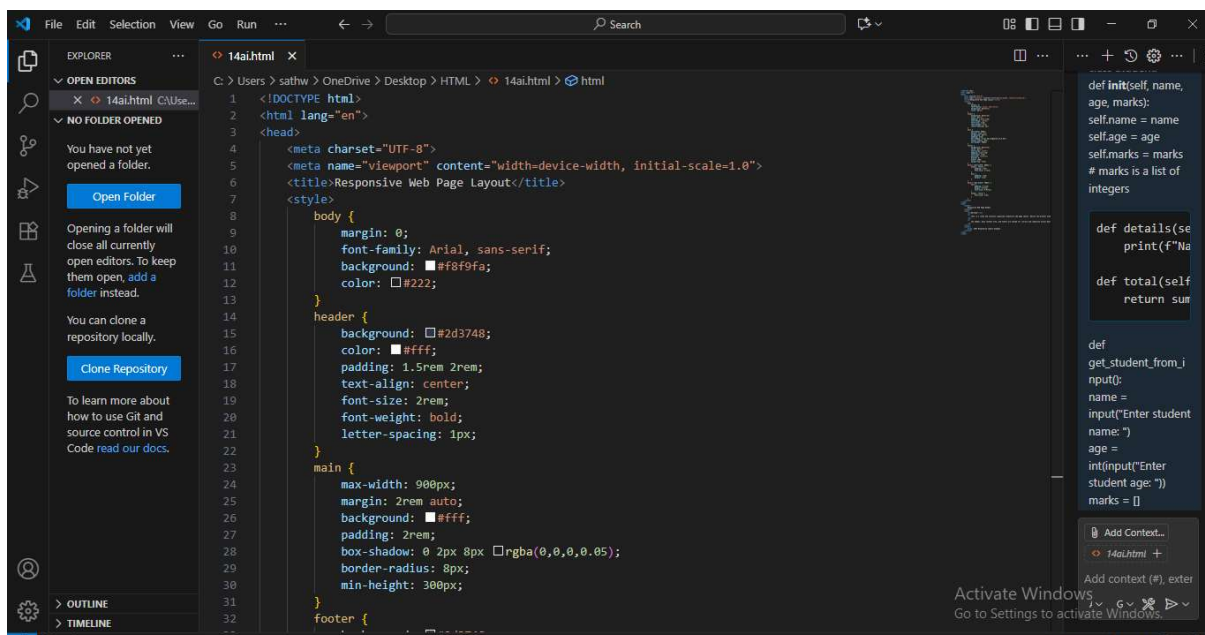
BATCH-03

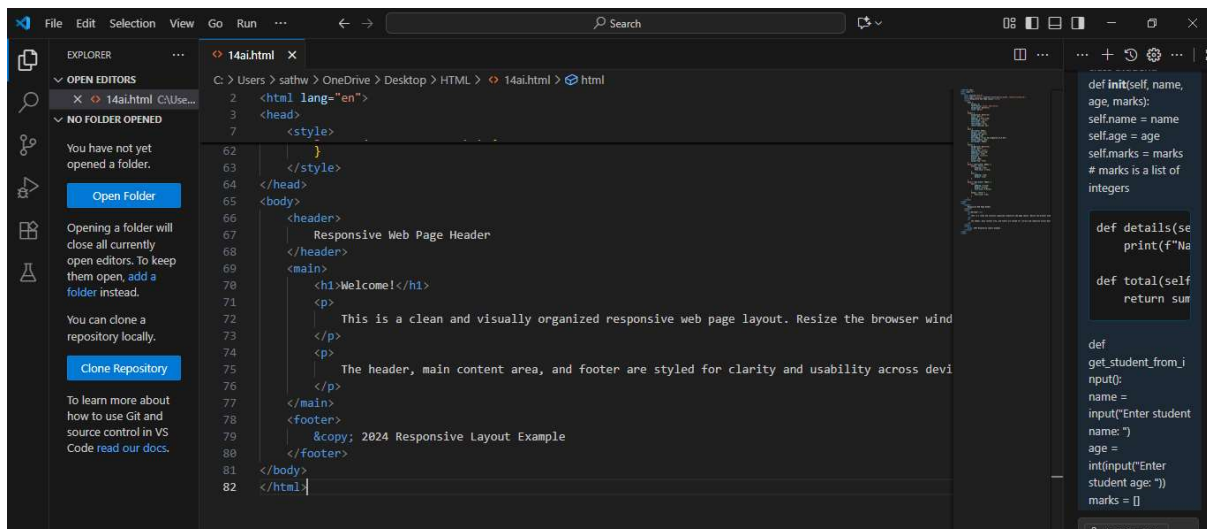
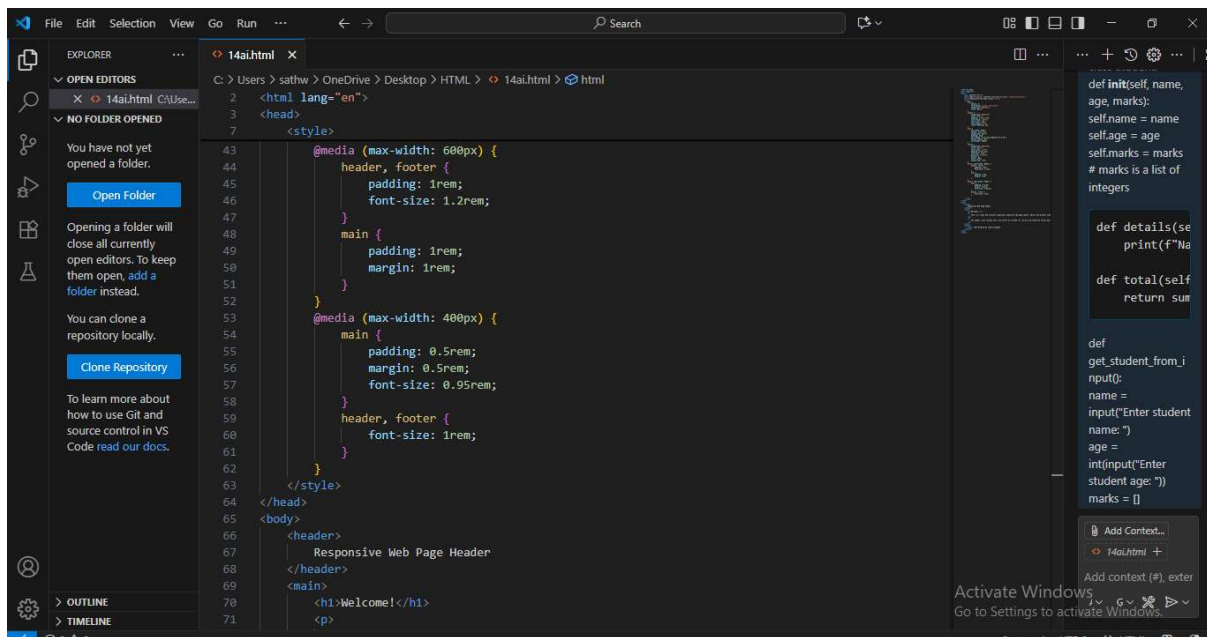
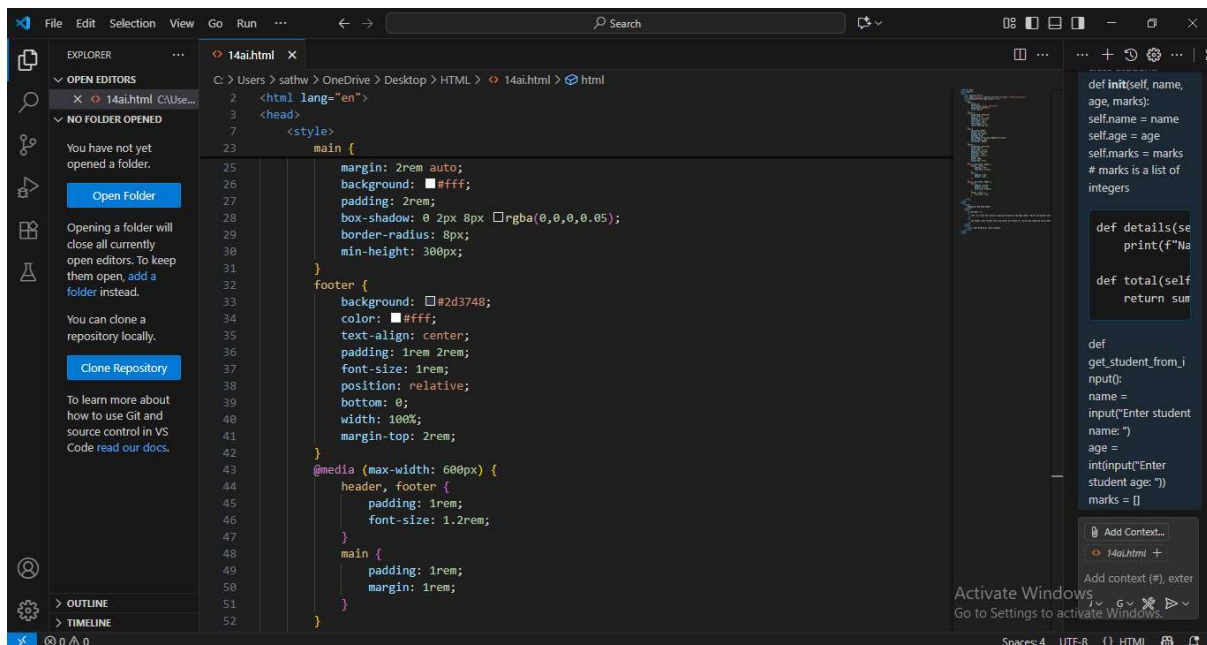
TASK-01

PROMPT: Develop a Responsive Web Page Layout with the following instructions

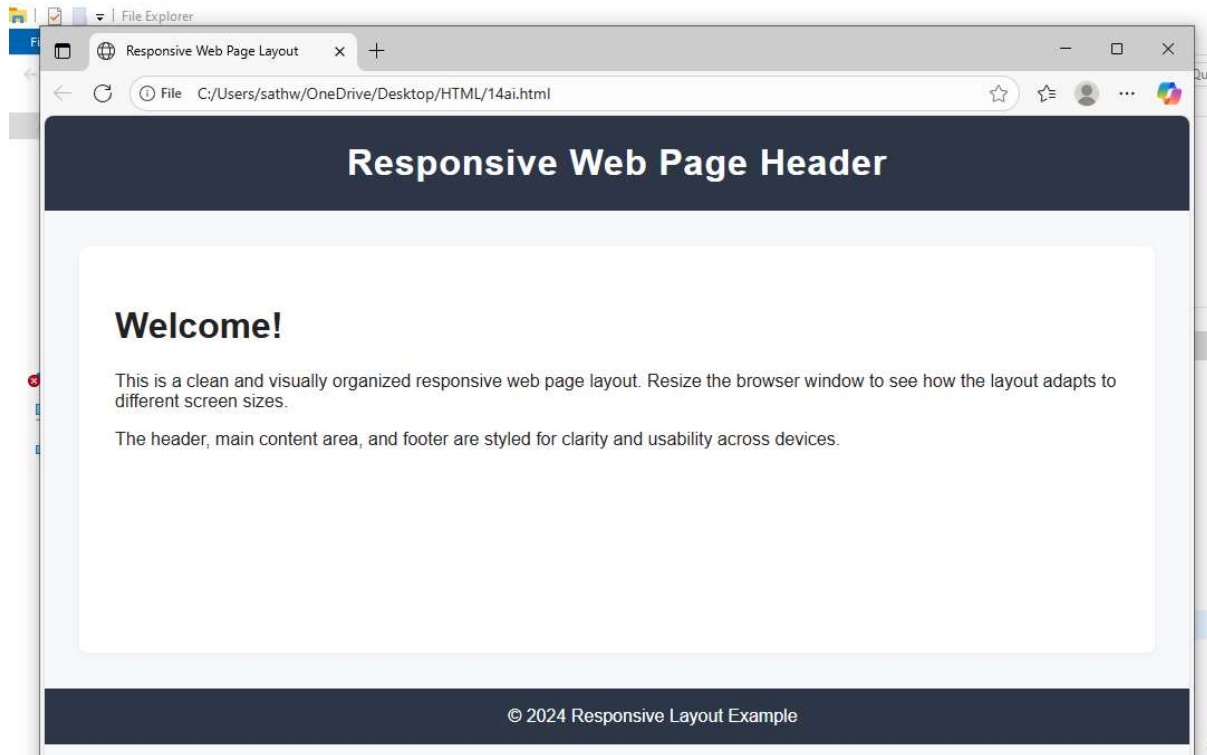
Instructions:

- 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





OUTPUT:



EXPLANATION:

1. The vs code takes the prompt from the user and designs the code.
2. The prompt is to design a web page by using HTML,CSS and JS.
3. The vs code takes the instructions from the prompt and designs the code according to the prompt.

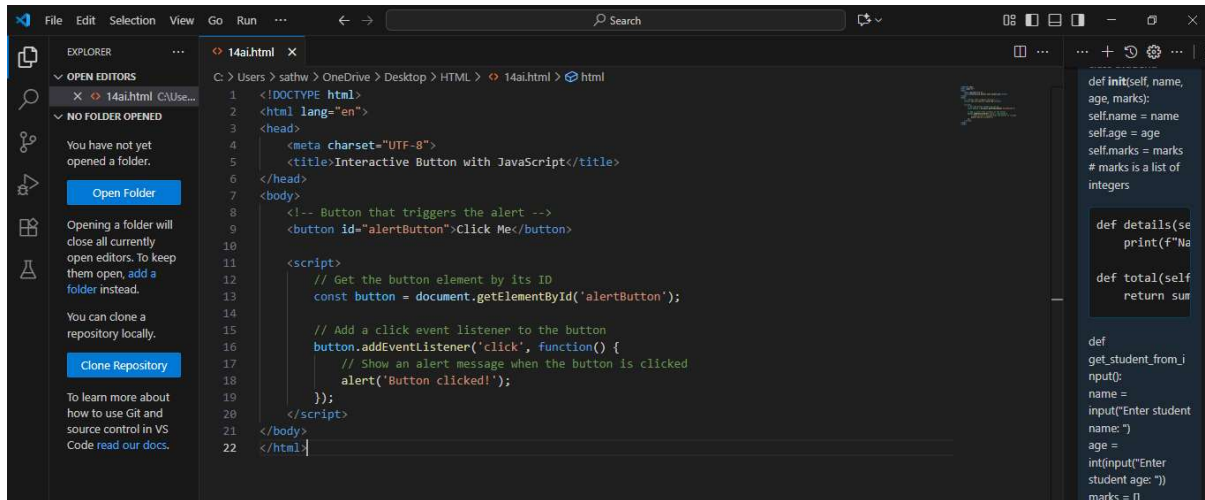
TASK-02

PROMPT: Develop a web page with Interactive Button with JavaScript by using the following instructions and the output should be matched to the expected output

Instructions:

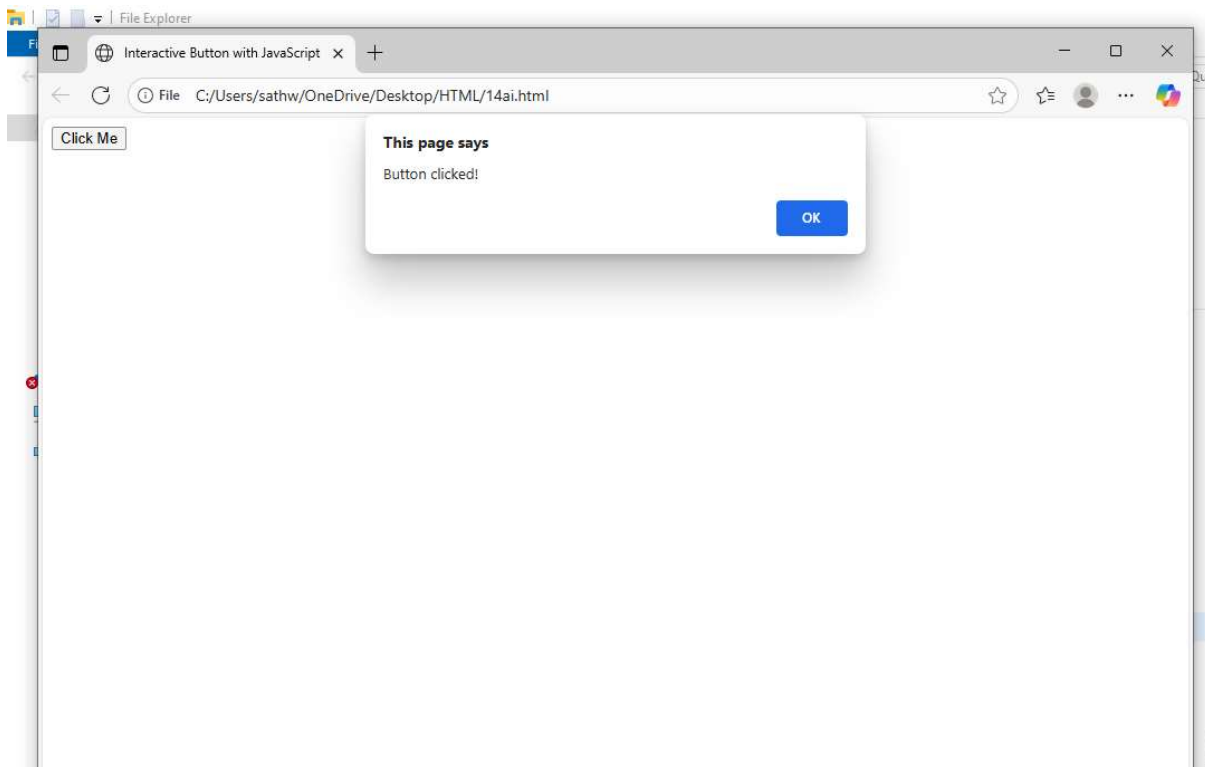
- Create a button on a web page to generate JavaScript code that displays an alert message when the button is clicked.

- Ensure the code is clean and well-commented.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Interactive Button with JavaScript</title>
6 </head>
7 <body>
8   <!-- Button that triggers the alert -->
9   <button id="alertButton">Click Me</button>
10
11   <script>
12     // Get the button element by its ID
13     const button = document.getElementById('alertButton');
14
15     // Add a click event listener to the button
16     button.addEventListener('click', function() {
17       // Show an alert message when the button is clicked
18       alert('Button clicked!');
19     });
20   </script>
21 </body>
22 </html>
```

OUTPUT:



EXPLANATION:

1. The prompt given by the user is to design a webpage .
2. The topic is button click if the user clicks the button the it should generate the output that the page belongs to the button click.
3. So the prompt given to the vs code to generate the webpage by using the JS language and cconcept used in it is button click.

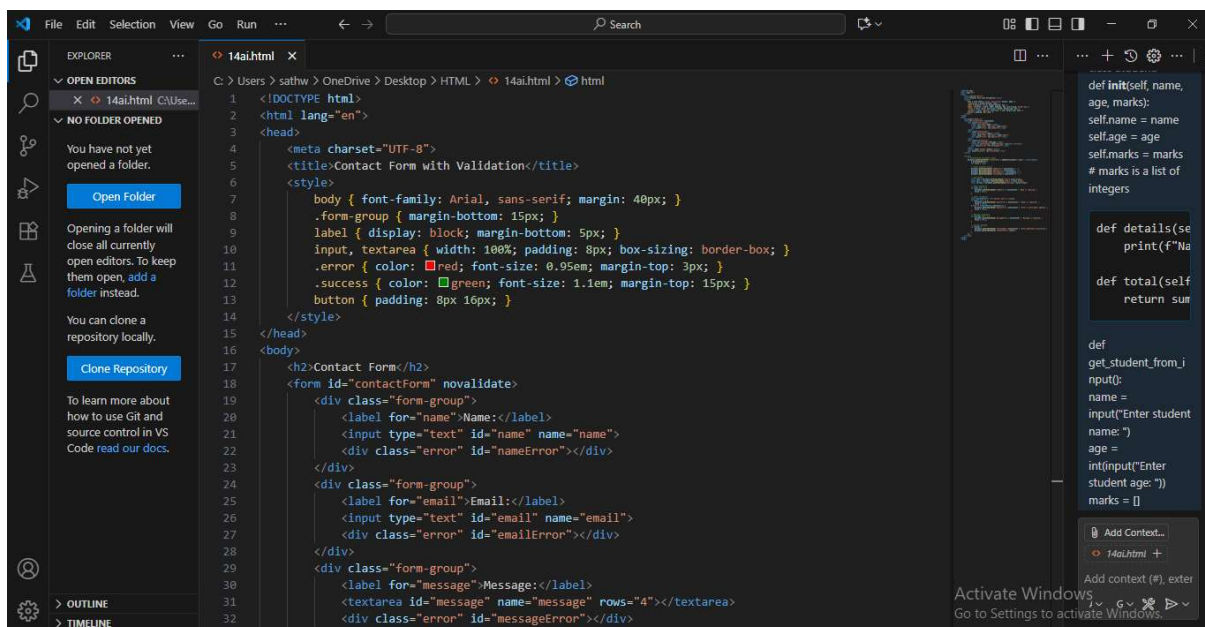
4. The vs code generated the code using JS and HTML , CSS .

TASK-03

PROMPT: Develop a web page of Form with Validation by the following instructions and the output should be matched with the expected output

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.



The screenshot shows the Visual Studio Code editor with three files open: 14ai.html, 14ai.css, and 14ai.js. The 14ai.html file contains the following code:

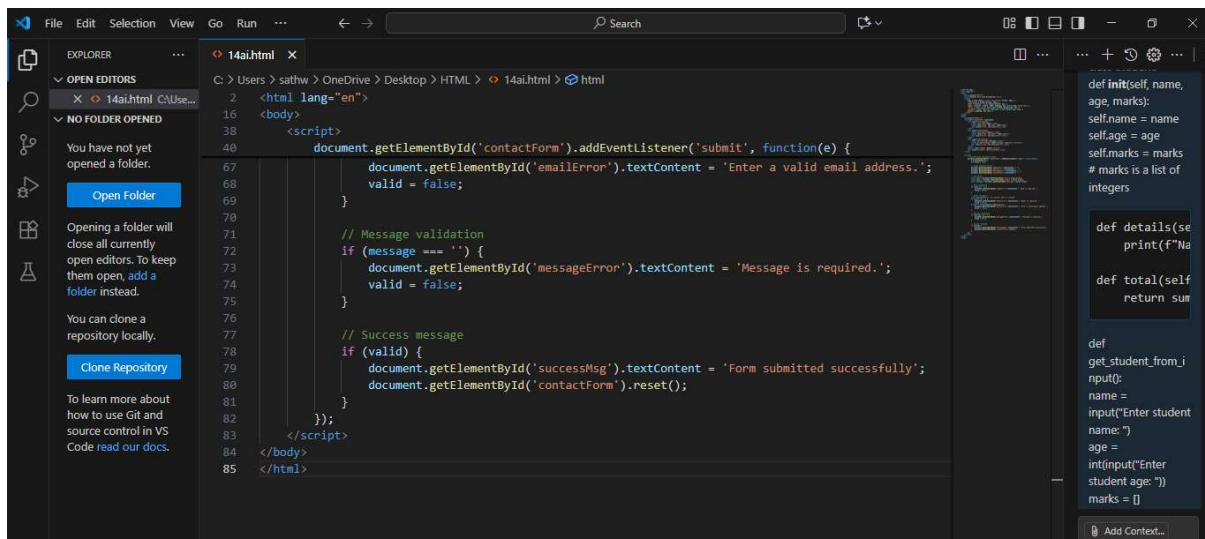
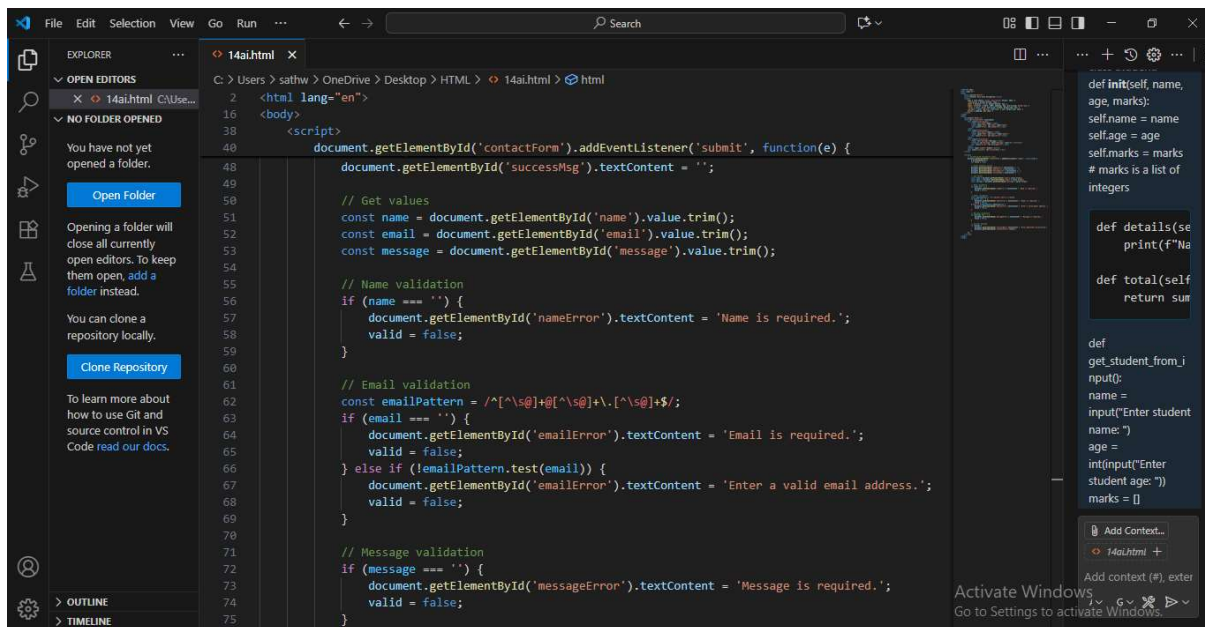
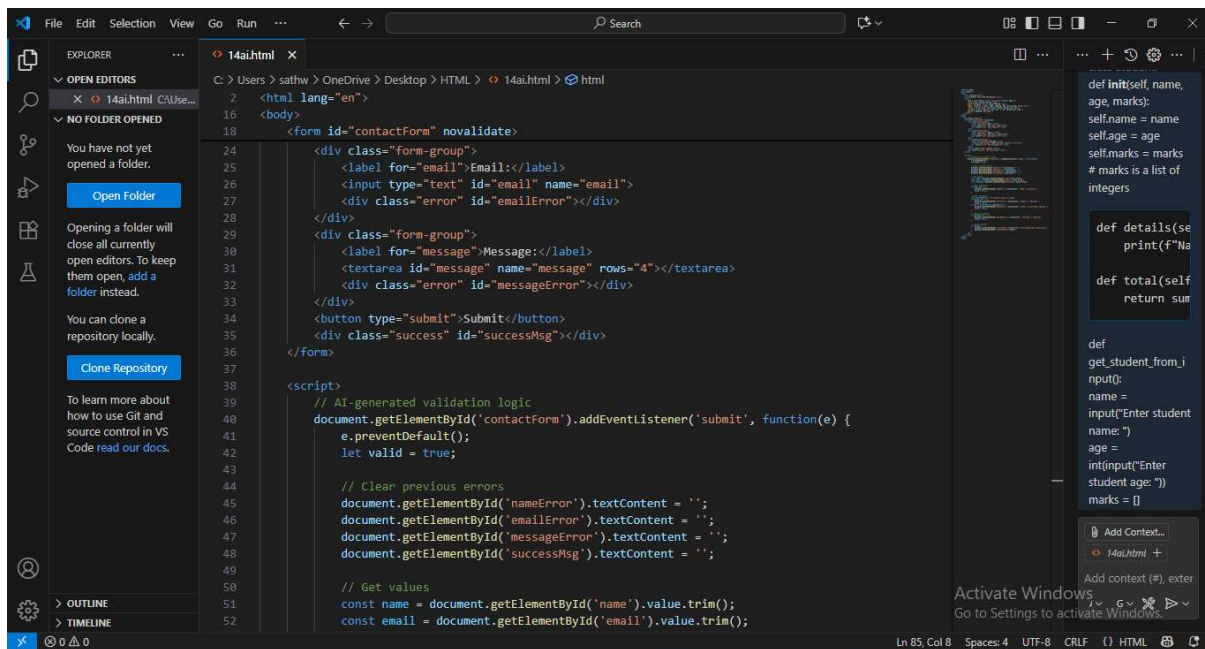
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Contact Form with Validation</title>
6   <style>
7     body { font-family: Arial, sans-serif; margin: 40px; }
8     .form-group { margin-bottom: 15px; }
9     label { display: block; margin-bottom: 5px; }
10    input, textarea { width: 100%; padding: 8px; border: 1px solid #ccc; }
11    .error { color: red; font-size: 0.95em; margin-top: 3px; }
12    .success { color: green; font-size: 1.1em; margin-top: 15px; }
13    button { padding: 8px 16px; }
14  </style>
15 </head>
16 <body>
17   <h2>Contact Form</h2>
18   <form id="contactForm" novalidate>
19     <div class="form-group">
20       <label for="name">Name:</label>
21       <input type="text" id="name" name="name">
22       <div class="error" id="nameError"></div>
23     </div>
24     <div class="form-group">
25       <label for="email">Email:</label>
26       <input type="text" id="email" name="email">
27       <div class="error" id="emailError"></div>
28     </div>
29     <div class="form-group">
30       <label for="message">Message:</label>
31       <textarea id="message" name="message" rows="4"></textarea>
32       <div class="error" id="messageError"></div>
33     </div>
34     <button type="submit">Submit</button>
35   </form>
36 </body>
</html>
```

The 14ai.css file contains the following code:

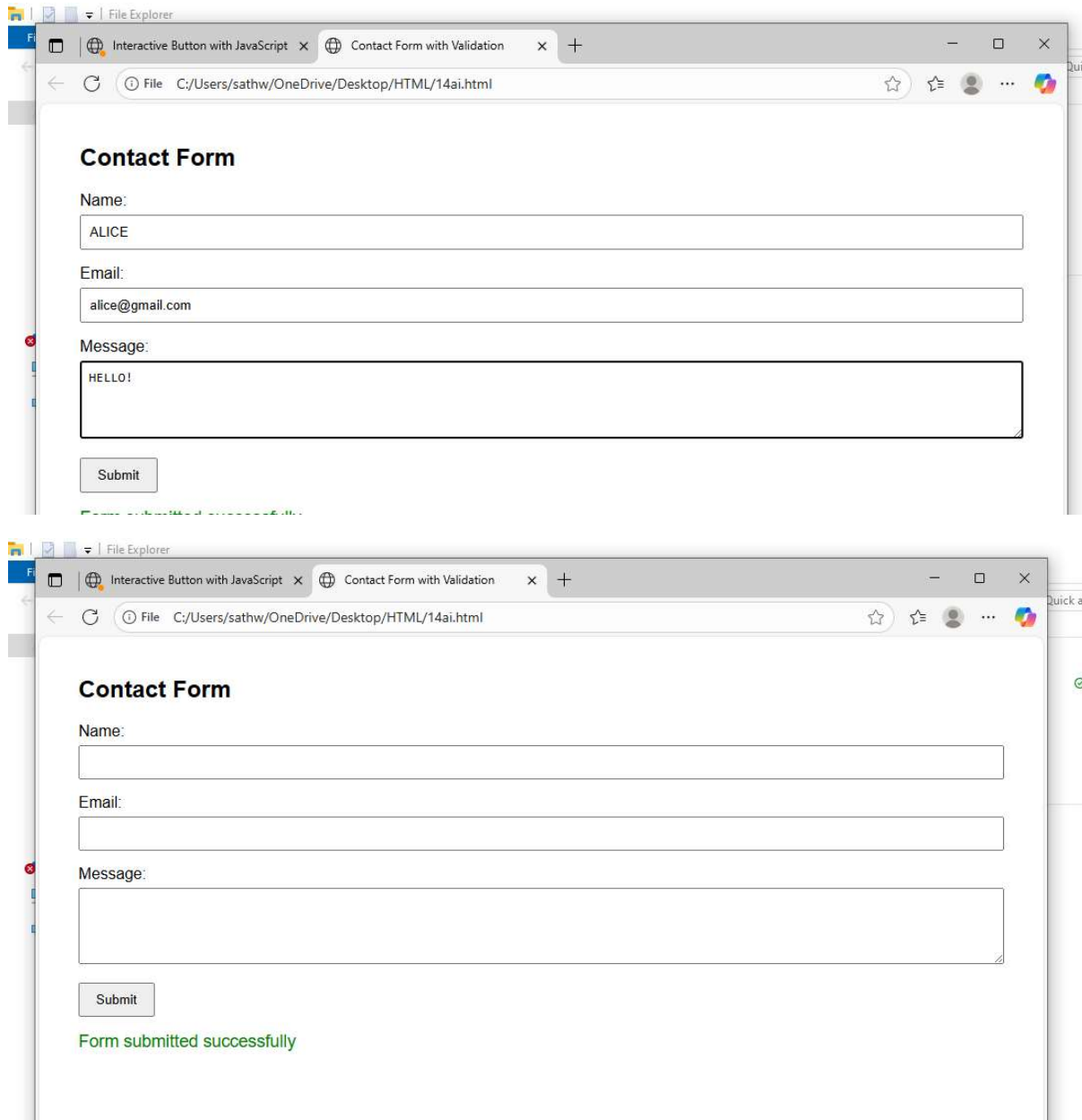
```
1 body {
2   font-family: Arial, sans-serif;
3   margin: 40px;
4 }
5 .form-group {
6   margin-bottom: 15px;
7 }
8 label {
9   display: block;
10  margin-bottom: 5px;
11 }
12 input,
13 textarea {
14   width: 100%;
15   padding: 8px;
16   border: 1px solid #ccc;
17 }
18 .error {
19   color: red;
20   font-size: 0.95em;
21   margin-top: 3px;
22 }
23 .success {
24   color: green;
25   font-size: 1.1em;
26   margin-top: 15px;
27 }
28 button {
29   padding: 8px 16px;
30 }
```

The 14ai.js file contains the following code:

```
1 def init(self, name,
2   age, marks):
3   self.name = name
4   self.age = age
5   self.marks = marks
6   # marks is a list of
7   integers
8
9 def details(self):
10  print(f"Name: {self.name}, Age: {self.age}, Marks: {self.marks}")
11
12 def total(self):
13  return sum(self.marks)
14
15 def get_student_from_index(i):
16  student = Student("John", 20, [85, 90, 78])
17  return student
18
19 # Create a list of students
20 students = [get_student_from_index(i) for i in range(5)]
21
22 # Print details of the first student
23 details(students[0])
24
25 # Calculate the total marks for the first student
26 total(students[0])
```

OUTPUT:



EXPLANATION:

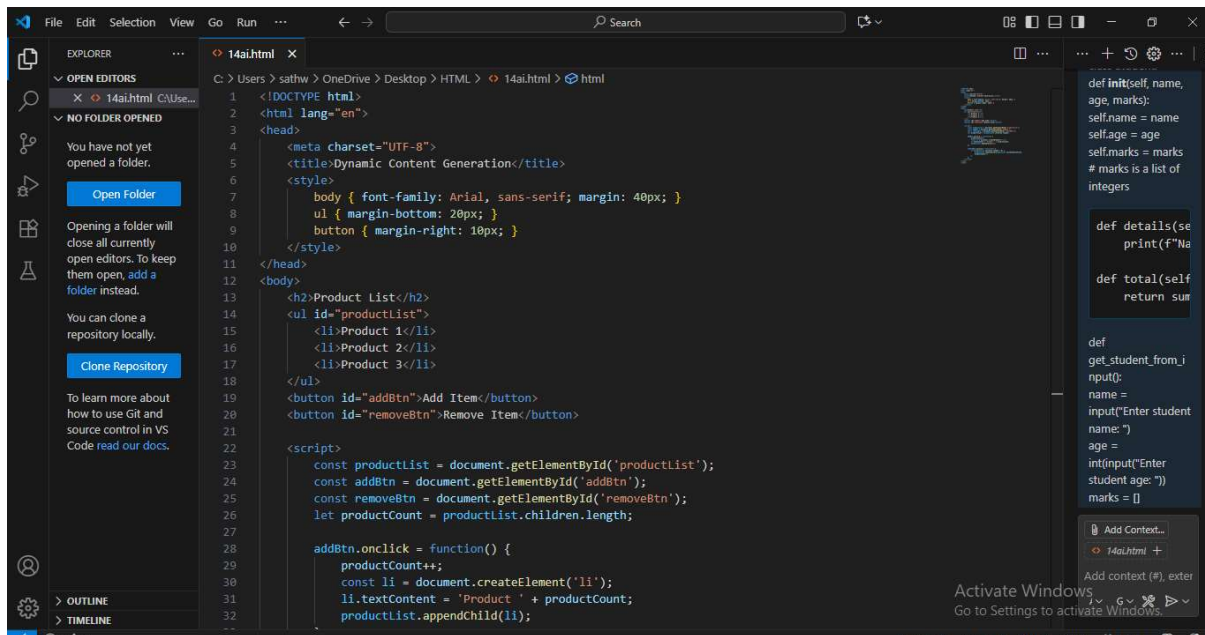
1. The prompt given by the user to design a web page which consists of form.
2. The vs code uses JS,HTML and CSS for designing a webpage.
3. The page include name,email,message boxes by which the user enters the text dynamically.
4. After entering the information there is submit button included there by clicking on it the form is submitted.

TASK-04

PROMPT: Develop a webpage which contains the Dynamic Content Generation by following the instructions and the output should match with the expected output.

Instructions:

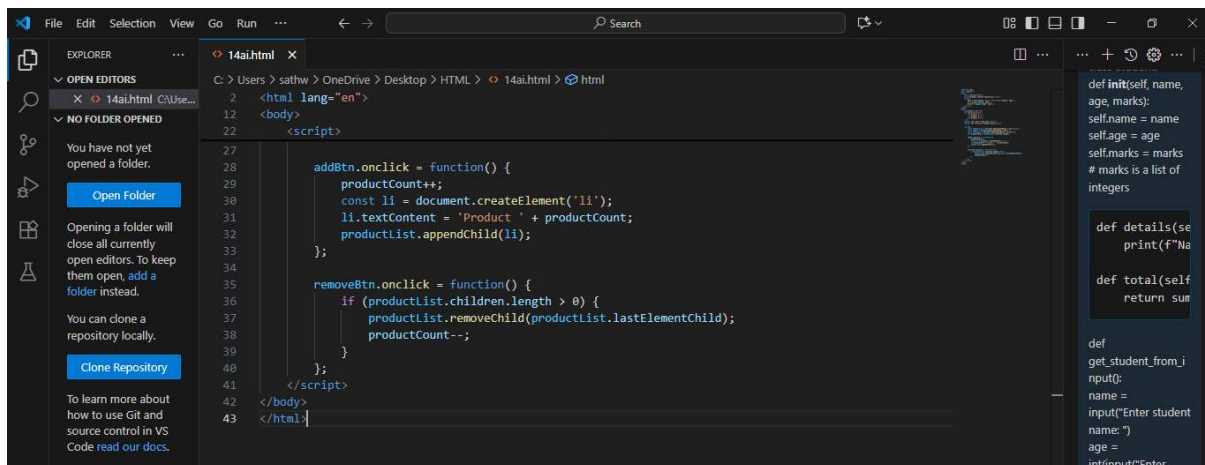
- Create a list of items (e.g., product names) using HTML.
- Use AI-generated JavaScript to dynamically add or remove items from the list when a button is click.



The screenshot shows a VS Code editor with a file named 14ai.html. The code is as follows:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Dynamic Content Generation</title>
<style>
body { font-family: Arial, sans-serif; margin: 40px; }
ul { margin-bottom: 20px; }
button { margin-right: 10px; }
</style>
</head>
<body>
<h2>Product List</h2>
<ul id="productList">
<li>Product 1</li>
<li>Product 2</li>
<li>Product 3</li>
</ul>
<button id="addBtn">Add Item</button>
<button id="removeBtn">Remove Item</button>
<script>
const productList = document.getElementById('productList');
const addBtn = document.getElementById('addBtn');
const removeBtn = document.getElementById('removeBtn');
let productCount = productList.children.length;

addBtn.onclick = function() {
productCount++;
const li = document.createElement('li');
li.textContent = 'Product ' + productCount;
productList.appendChild(li);
}
```

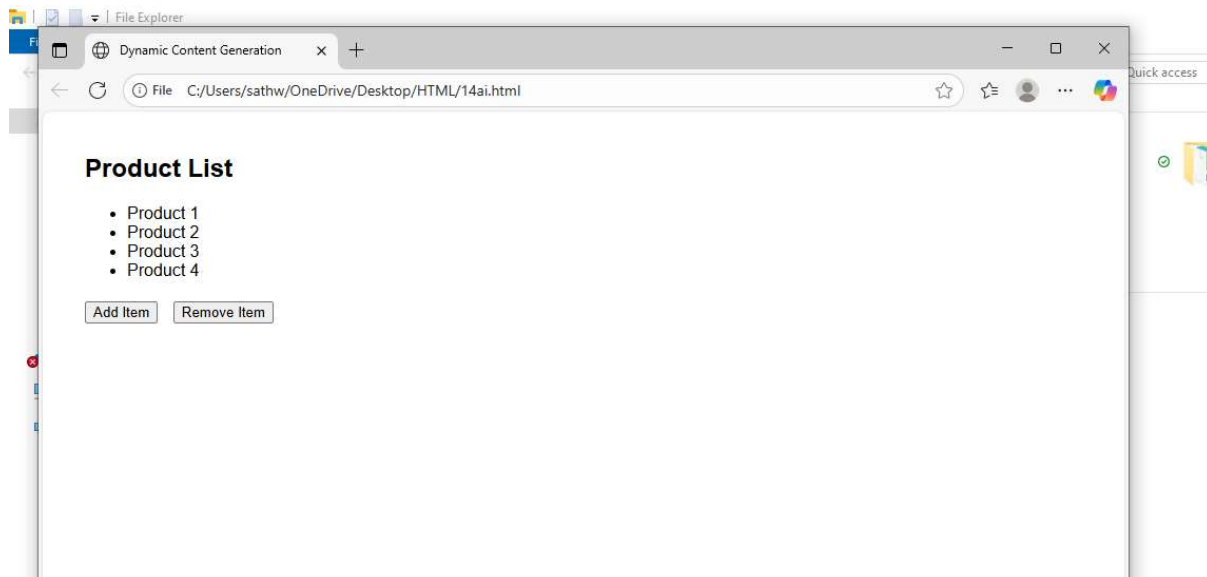
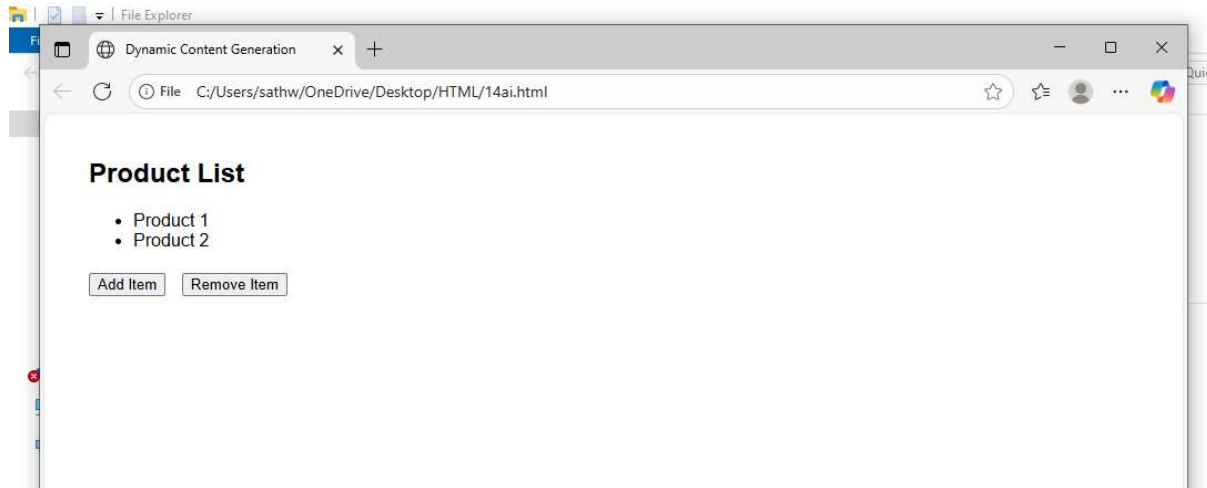


The screenshot shows the same VS Code editor with the 14ai.html file. The JavaScript code has been updated to include a remove button functionality:

```
addBtn.onclick = function() {
productCount++;
const li = document.createElement('li');
li.textContent = 'Product ' + productCount;
productList.appendChild(li);
};

removeBtn.onclick = function() {
if (productList.children.length > 0) {
productList.removeChild(productList.lastElementChild);
productCount--;
}
};
</script>
</body>
</html>
```

OUTPUT



EXPLANATION

1. This HTML page displays a product list and two buttons. Clicking "Add Item" adds a new product to the list.
2. Clicking "Remove Item" removes the last product. The JavaScript dynamically updates the list based on user actions.

TASK-05

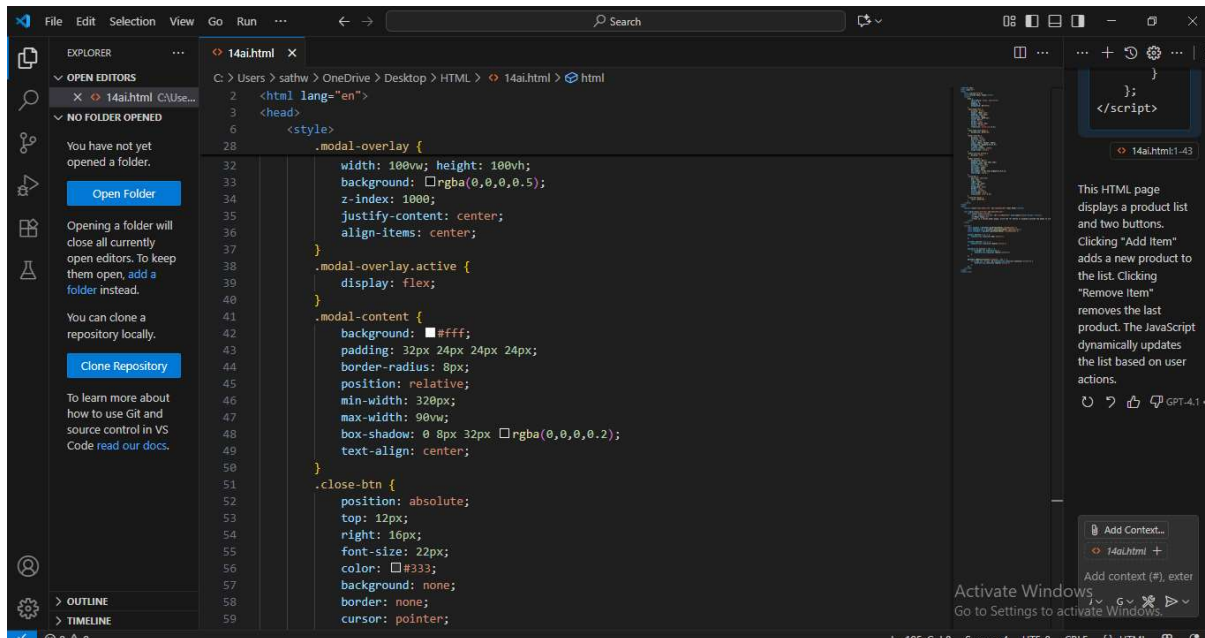
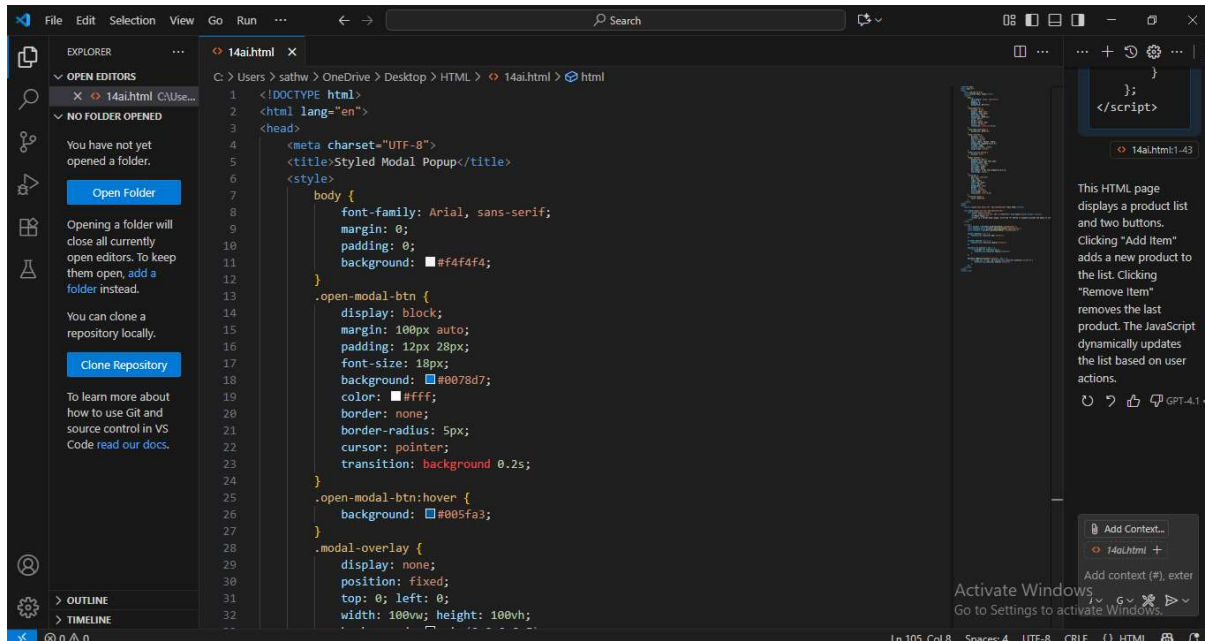
PROMPT: Develop a webpage that contain a Styled Modal Popup which include the following instructions and the output must match the expected output.

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.



The screenshot shows the VS Code editor with a file named `14ai.html` open. The Explorer sidebar on the left shows the file structure. The main editor area displays the following code:

```
<html lang="en">
<head>
<style>
    .close-btn:hover {
        color: #0078d7;
    }
</style>
</head>
<body>
    <button class="open-modal-btn" id="openModalBtn">Open Modal</button>

    <div class="modal-overlay" id="modalOverlay">
        <div class="modal-content">
            <button class="close-btn" id="closeModalBtn" aria-label="Close">&times;</button>
            <h2>Modal Popup</h2>
            <p>This is a styled modal popup. Click the "X" button or anywhere outside the modal to clo
        </div>
    </div>

    <script>
        const openBtn = document.getElementById('openModalBtn');
        const modalOverlay = document.getElementById('modalOverlay');
        const closeBtn = document.getElementById('closeModalBtn');

        openBtn.onclick = () => {
            modalOverlay.classList.add('active');
        };

        closeBtn.onclick = () => {
            modalOverlay.classList.remove('active');
        };
    </script>
</body>
</html>
```

The right sidebar shows a preview of the HTML page, which displays a product list and two buttons. A tooltip for the `14ai.html` file is visible, showing the text: "This HTML page displays a product list and two buttons. Clicking 'Add Item' adds a new product to the list. Clicking 'Remove Item' removes the last product. The JavaScript dynamically updates the list based on user actions."

The screenshot shows the VS Code editor with the same file `14ai.html` open. The Explorer sidebar on the left shows the file structure. The main editor area displays the following code:

```
<html lang="en">
<body>
    <script>
        openBtn.onclick = () => {
            modalOverlay.classList.add('active');
        };

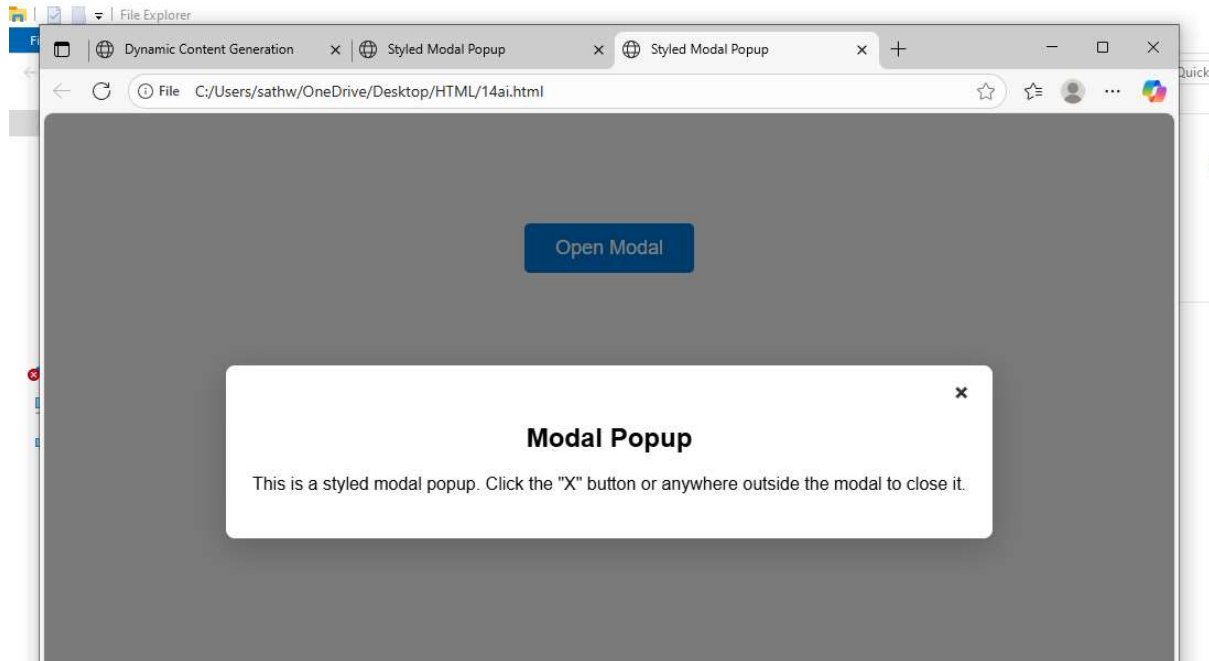
        closeBtn.onclick = () => {
            modalOverlay.classList.remove('active');
        };

        modalOverlay.onclick = (e) => {
            if (e.target === modalOverlay) {
                modalOverlay.classList.remove('active');
            }
        };

        document.addEventListener('keydown', (e) => {
            if (e.key === 'Escape' && modalOverlay.classList.contains('active')) {
                modalOverlay.classList.remove('active');
            }
        });
    </script>
</body>
</html>
```

The right sidebar shows a preview of the HTML page, which displays a product list and two buttons. A tooltip for the `14ai.html` file is visible, showing the text: "This HTML page displays a product list and two buttons. Clicking 'Add Item' adds a new product to the list. Clicking 'Remove Item' removes the last product. The JavaScript dynamically updates the list based on user actions."

OUTPUT



EXPLANATION

1. This HTML page shows a button that opens a styled modal popup.
2. The modal can be closed by clicking the "X", clicking outside the modal, or pressing Escape.
3. CSS styles the modal and button, while JavaScript controls opening and closing the modal.