

## Lesson-End Project

### Developing a Web-Based Client Meeting Scheduler

**Project agenda:** To design and implement a fully functional web-based client meeting scheduler that enables users to create client profiles and schedule meetings efficiently

**Description:** You are responsible for designing and implementing a web application that allows users to create client profiles, input relevant details, and schedule meetings seamlessly using a structured form and an interactive calendar-based interface.

**Tools required:** Visual Studio Code

**Prerequisites:** None

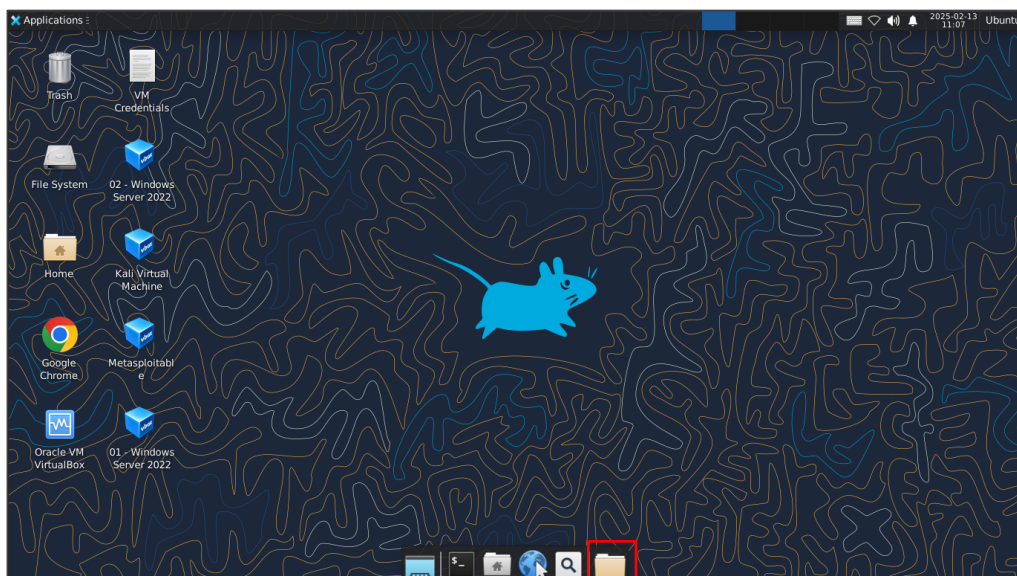
**Expected deliverables:** A fully functional and comprehensive web-based client meeting scheduler with profile creation and booking features. The project will include well-structured HTML and CSS files for maintainability, along with a responsive, well-designed interface featuring a date and time picker. The application will be validated, tested, and built with scalability in mind, allowing for future enhancements such as email notifications and database integration.

Steps to be followed:

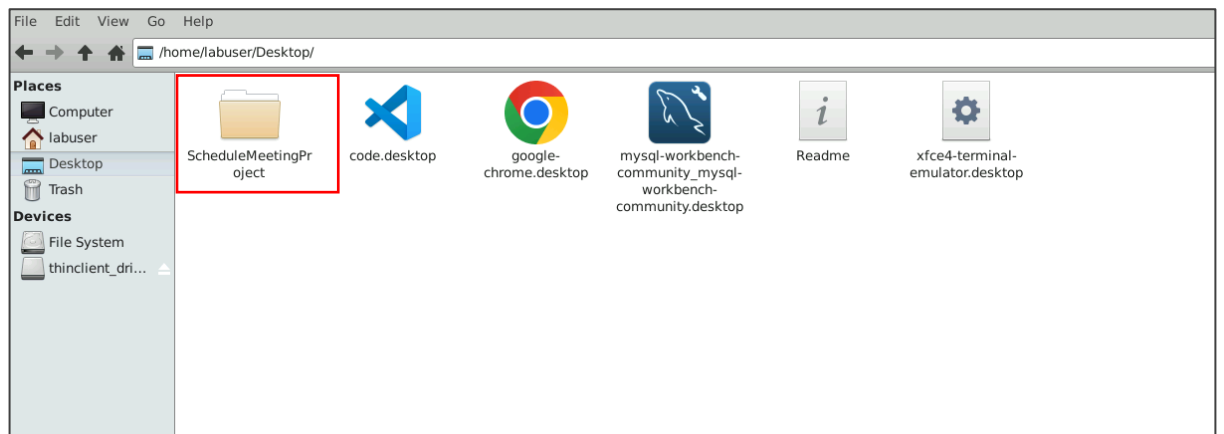
1. Create a development folder
2. Develop and implement the web application

#### Step 1: Create a development folder

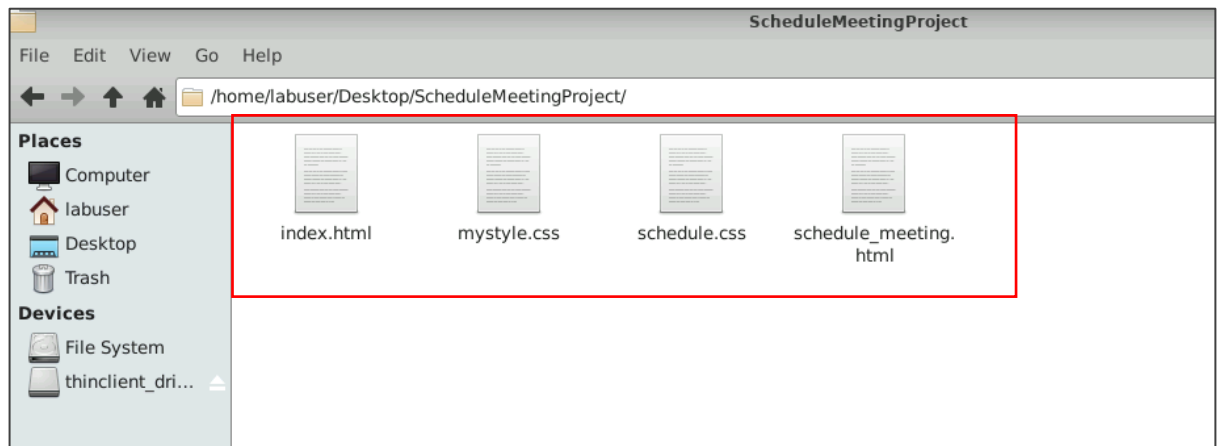
1.1 Access File Explorer in Simplilearn Lab and navigate to the desired directory



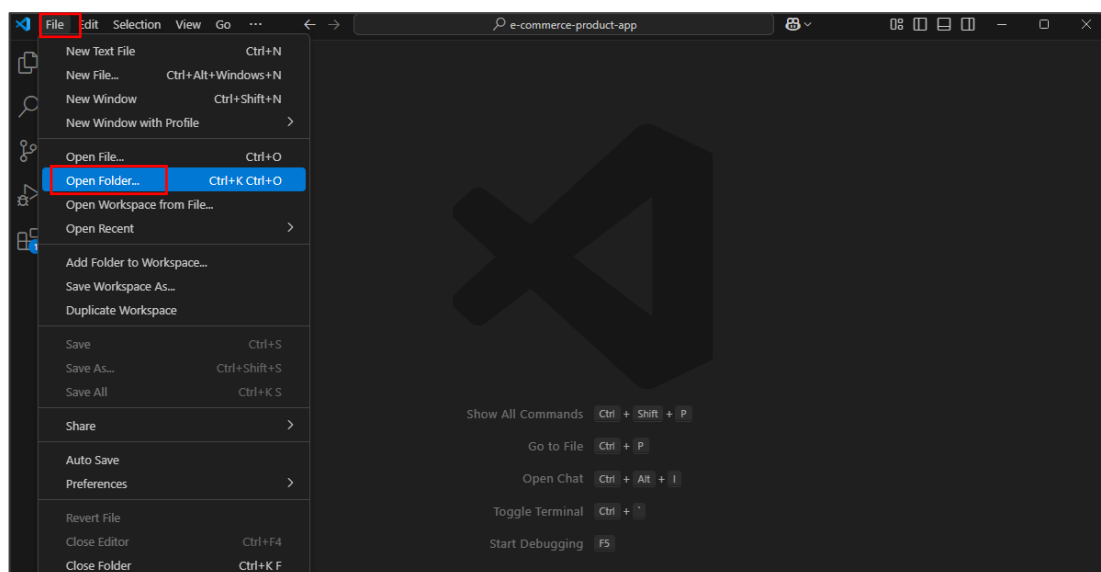
1.2 Create a new folder named **ScheduleMeetingProject**.



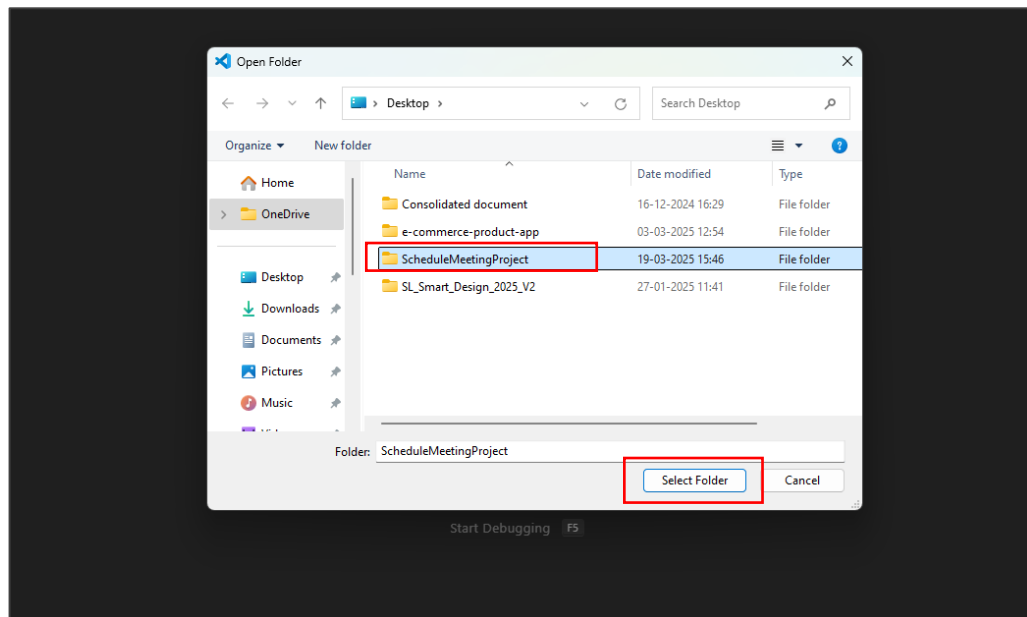
1.3 Inside **ScheduleMeetingProject**, create the following files named **index.html**, **mystyle.css**, **schedule.css**, and **schedule\_meeting.html**



1.4 Open **Visual Studio Code**, select **File > Open Folder...**



### 1.5 Choose the created folder and ensure all files are visible



## Step 2: Develop and implement the web application

2.1 Open **index.html** and insert the required HTML code for creating a client profile form:

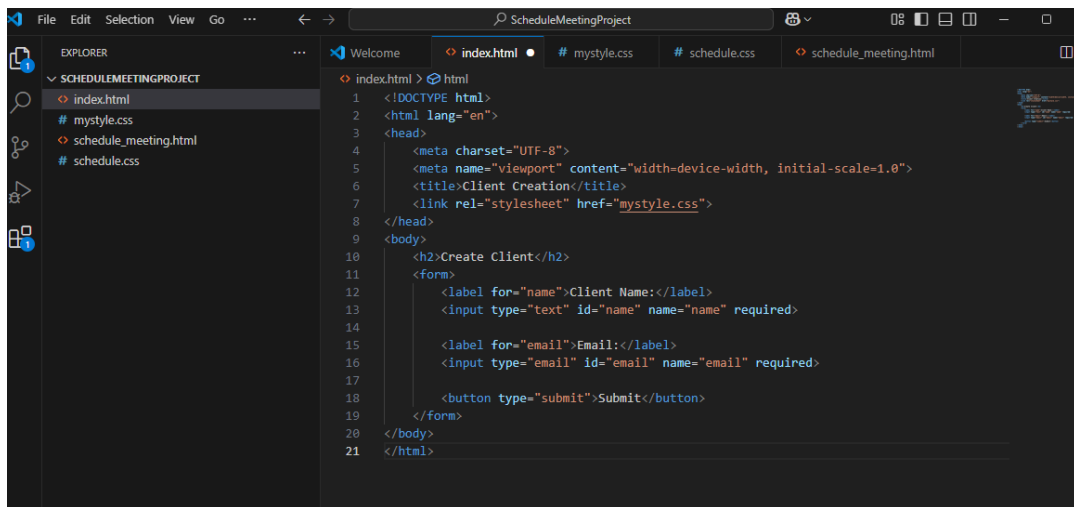
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Client Creation</title>
    <link rel="stylesheet" href="mystyle.css">
  </head>
  <body>
    <h2>Create Client</h2>
    <form id="clientForm">
      <label for="name">Client Name:</label>
      <input type="text" id="name" name="name" required>

      <label for="email">Email:</label>
      <input type="email" id="email" name="email" required>

      <button type="submit">Submit</button>
    </form>

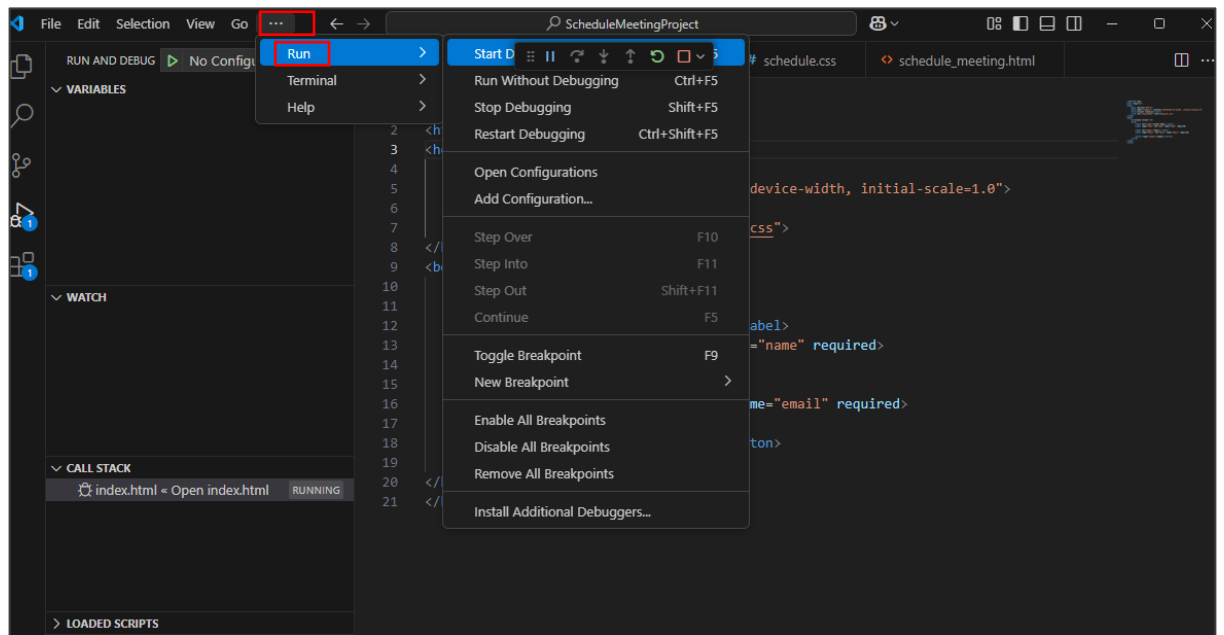
    <script src="script.js"></script>
  </body>
```

</html>

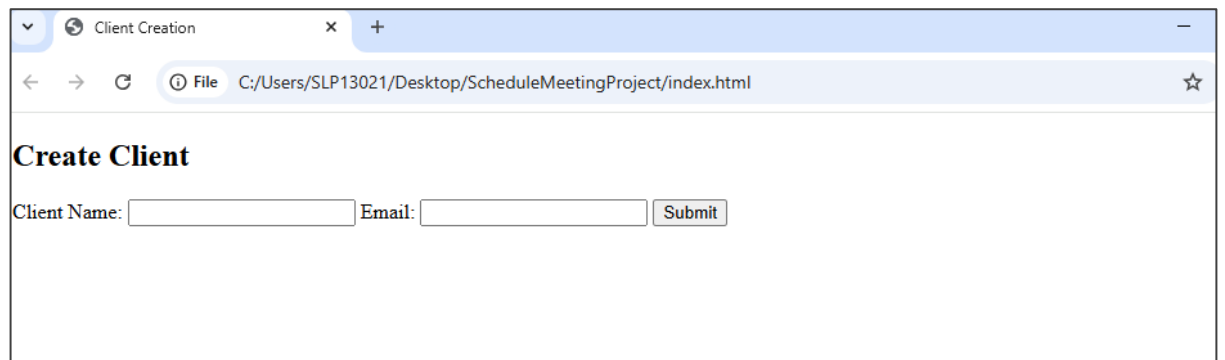


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Client Creation</title>
7   <link rel="stylesheet" href="mystyle.css">
8 </head>
9 <body>
10  <h2>Create Client</h2>
11  <form>
12    <label for="name">Client Name:</label>
13    <input type="text" id="name" name="name" required>
14
15    <label for="email">Email:</label>
16    <input type="email" id="email" name="email" required>
17
18    <button type="submit">Submit</button>
19  </form>
20 </body>
21 </html>
```

## 2.2 Run and debug the application to verify the output



The output page is as shown below:



Client Creation

Client Name:  Email:

- 2.3 Open **schedule\_meeting.html** and insert the necessary HTML code for scheduling meetings:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Schedule Meeting</title>
    <link rel="stylesheet" href="schedule.css">
  </head>
  <body>
    <h2>Schedule a Meeting</h2>
    <form id="meetingForm">
      <label for="topic">Meeting Topic:</label>
      <input type="text" id="topic" name="topic" required>

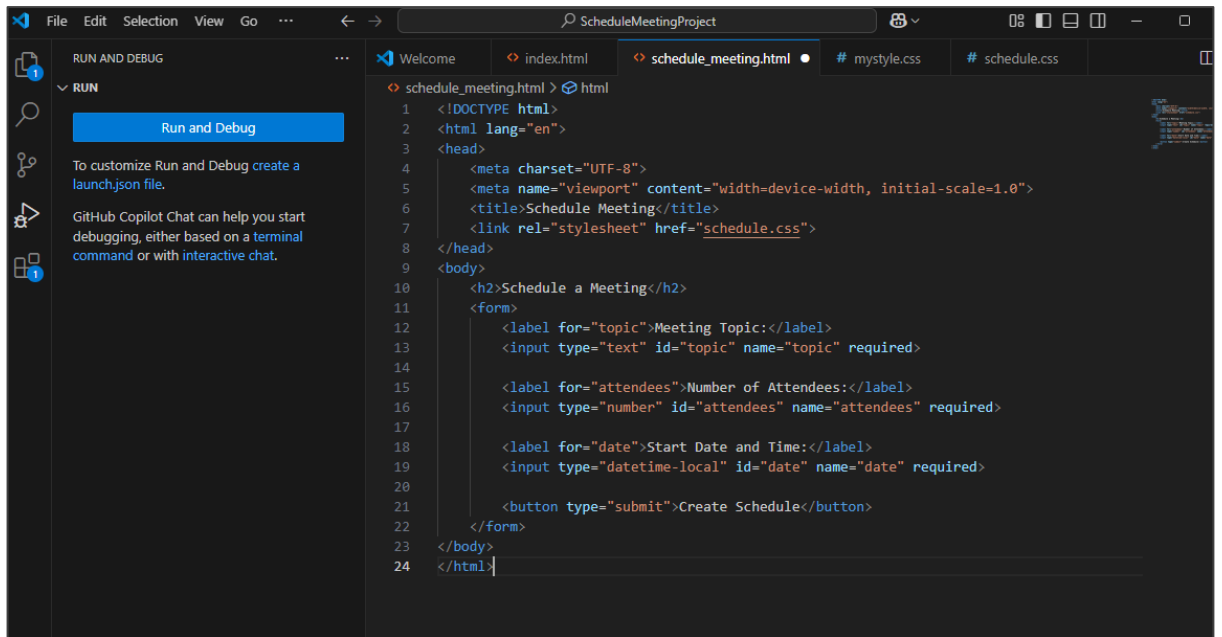
      <label for="attendees">Number of Attendees:</label>
      <input type="number" id="attendees" name="attendees" required>

      <label for="date">Start Date and Time:</label>
      <input type="datetime-local" id="date" name="date" required>

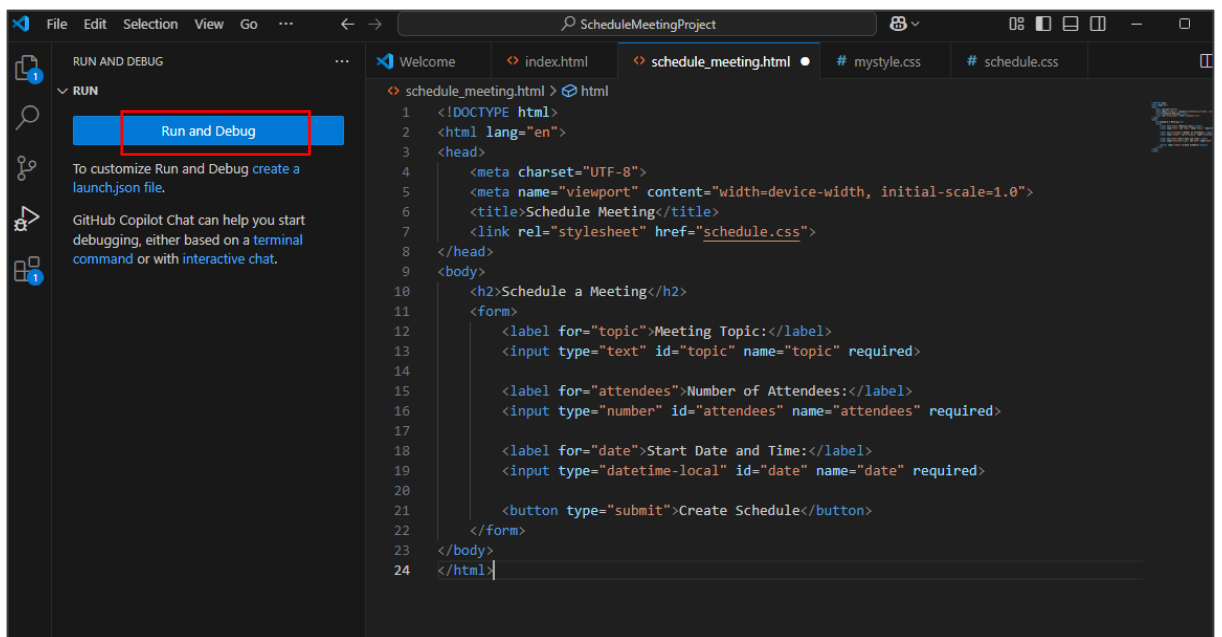
      <button type="submit">Create Schedule</button>
    </form>

    <h3>Scheduled Meetings</h3>
    <ul id="meetingList"></ul>

    <script src="script.js"></script>
  </body>
</html>
```



## 2.4 Run and debug the application to ensure the scheduling page functions correctly



The output page is as shown below:

The screenshot shows a web browser window displaying the 'Schedule a Meeting' page. The URL in the address bar is 'C:/Users/SLP13021/Desktop/ScheduleMeetingProject/schedule\_meeting.html'. The page content is as follows:

**Schedule a Meeting**

Meeting Topic:  Number of Attendees:  Start Date and Time:

- 2.5 Open **mystyle.css** and insert CSS rules to style the main application layout and forms:

```
body {
    font-family: Arial, sans-serif;
    margin: 20px;
    padding: 20px;
    background-color: #f4f4f4;
}

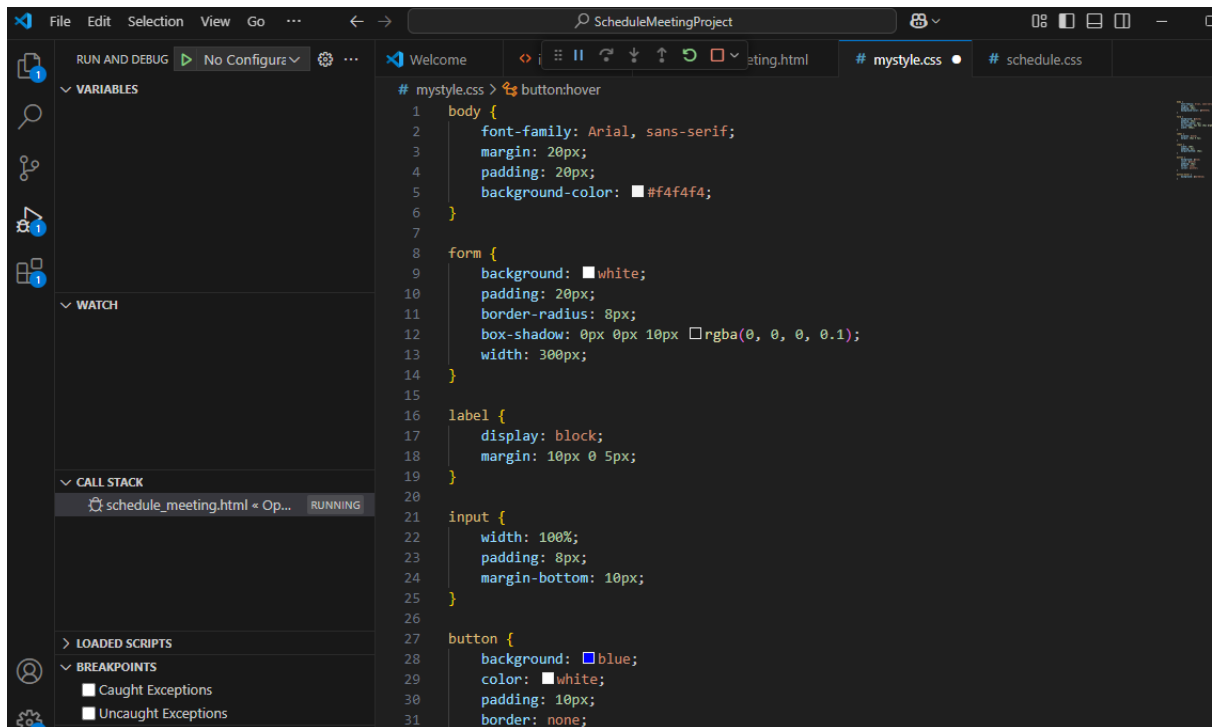
form {
    background: white;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
    width: 300px;
}

label {
    display: block;
    margin: 10px 0 5px;
}

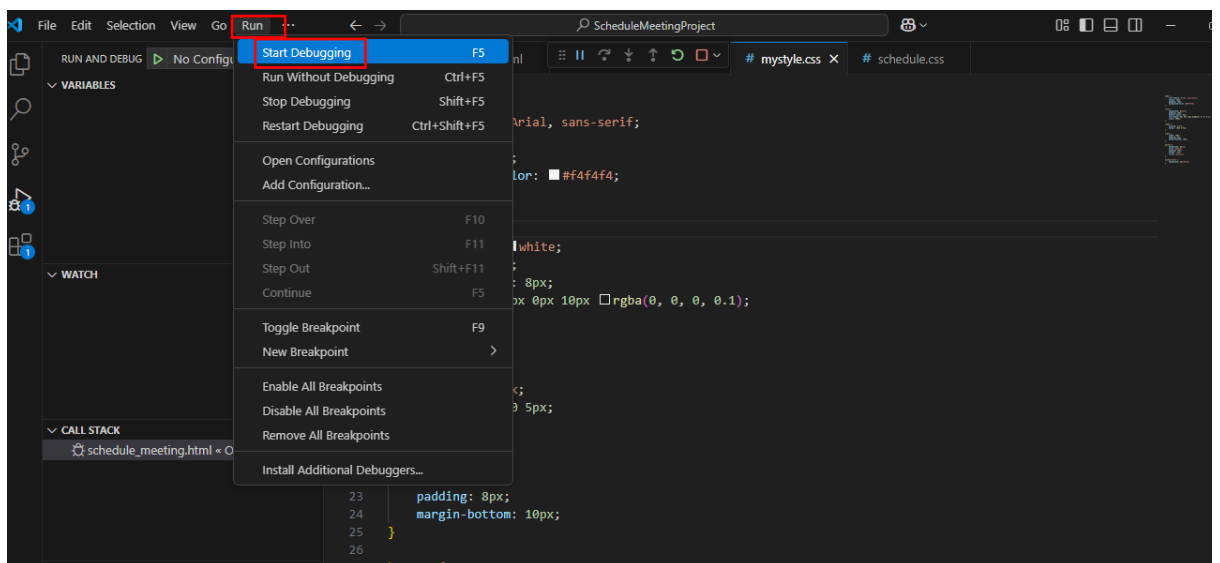
input {
    width: 100%;
    padding: 8px;
    margin-bottom: 10px;
}

button {
    background: blue;
    color: white;
    padding: 10px;
    border: none;
    cursor: pointer;
}

button:hover {
    background: darkblue;
}
```



## 2.6 Save and debug the file to confirm that the styles are applied correctly



2.7 Open **schedule.css** file and define styles for the meeting scheduler page:

```
body {
    font-family: Arial, sans-serif;
    margin: 20px;
    padding: 20px;
    background-color: #e8f0fe;
}

form {
    background: white;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
    width: 300px;
}

label {
    display: block;
    margin: 10px 0 5px;
}

input {
    width: 100%;
    padding: 8px;
    margin-bottom: 10px;
}

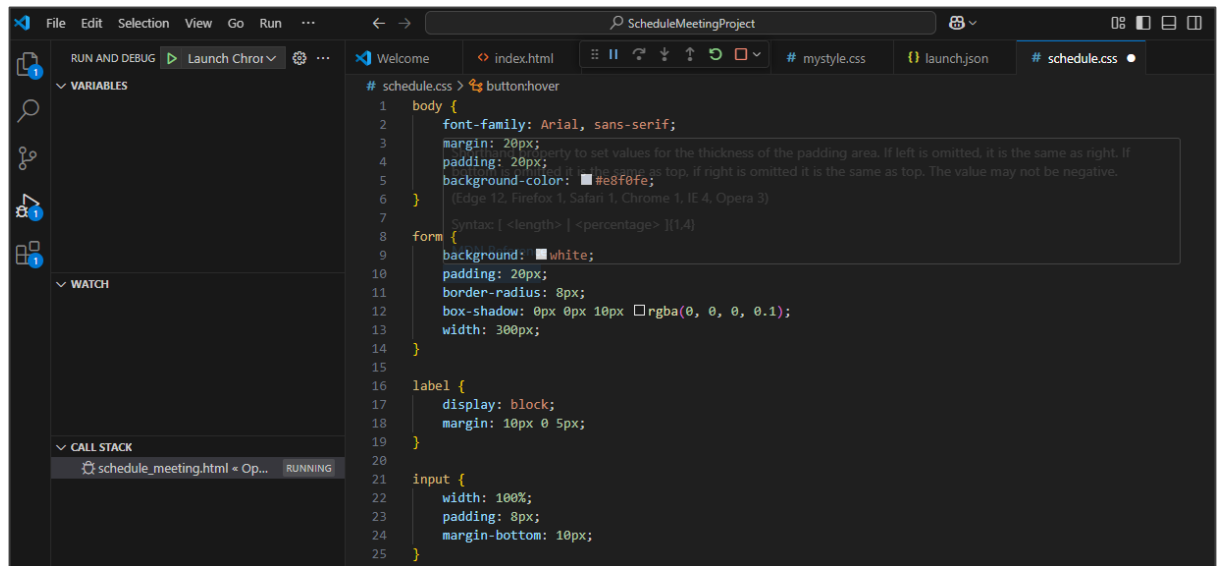
button {
    background: green;
    color: white;
    padding: 10px;
    border: none;
    cursor: pointer;
}

button:hover {
    background: darkgreen;
}

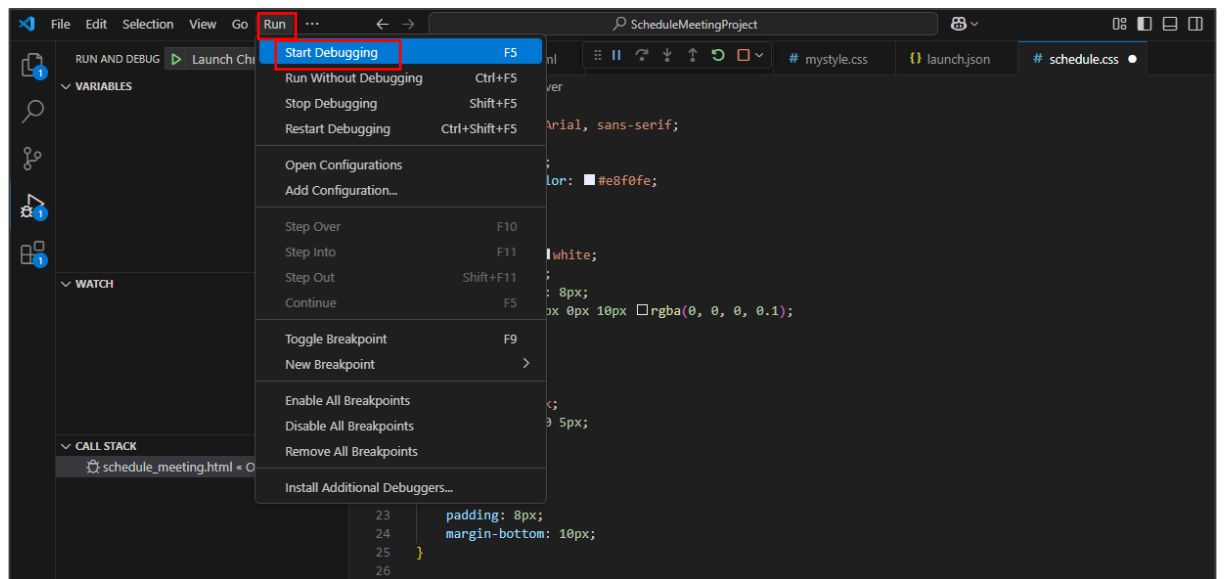
ul {
    list-style-type: none;
    padding: 0;
}

ul li {
    background: white;
```

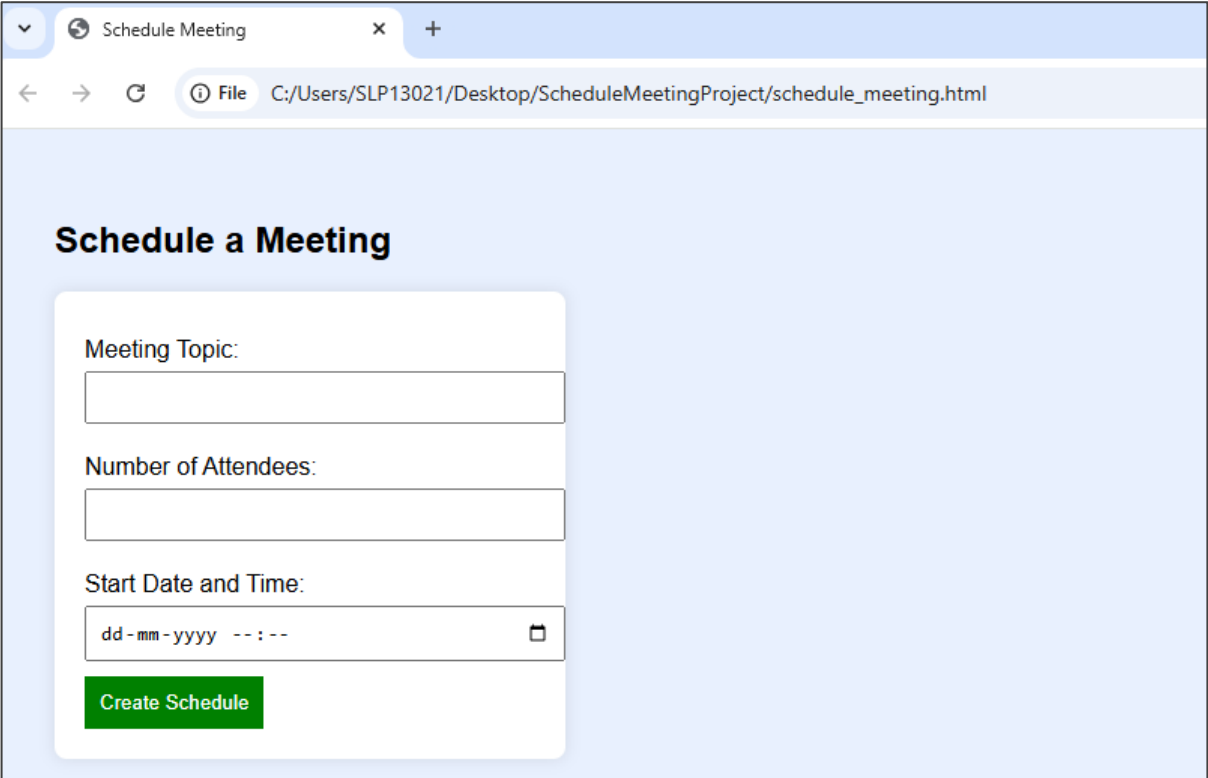
```
padding: 10px;
margin-top: 5px;
border-radius: 5px;
box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.1);
}
```



## 2.8 Save and debug the file to apply styling successfully



2.9 Verify the output of the page by opening it in a web browser



The screenshot shows a web browser window with the title 'Schedule Meeting'. The address bar displays the file path 'C:/Users/SLP13021/Desktop/ScheduleMeetingProject/schedule\_meeting.html'. The main content area has a light blue background and features a white form titled 'Schedule a Meeting'. The form contains three input fields: 'Meeting Topic:', 'Number of Attendees:', and 'Start Date and Time:'. The 'Start Date and Time:' field includes a date-time picker with the placeholder 'dd-mm-yyyy --:--' and a calendar icon. A green 'Create Schedule' button is positioned at the bottom of the form.

**Schedule a Meeting**

Meeting Topic:

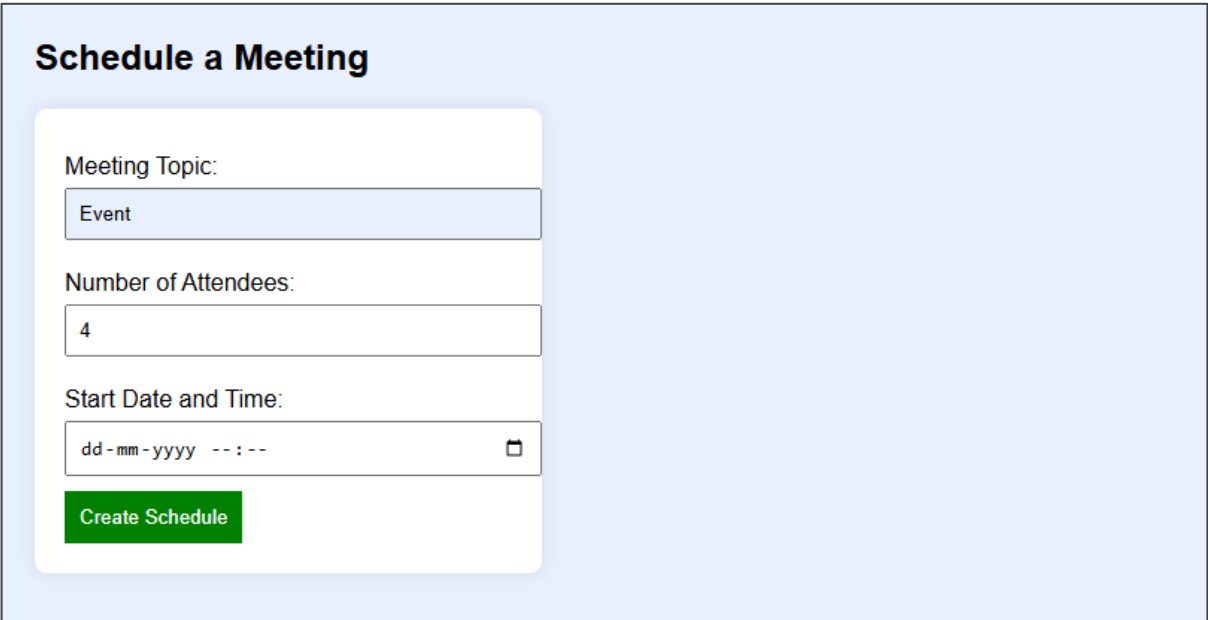
Number of Attendees:

Start Date and Time:

dd-mm-yyyy --:--

Create Schedule

2.10 Enter sample data to test the client profile form



This screenshot shows the same 'Schedule a Meeting' form as in the previous image, but with sample data entered into the input fields. The 'Meeting Topic:' field contains the text 'Event'. The 'Number of Attendees:' field contains the number '4'. The 'Start Date and Time:' field shows the placeholder 'dd-mm-yyyy --:--' and the calendar icon. The green 'Create Schedule' button remains at the bottom of the form.

**Schedule a Meeting**

Meeting Topic:

Event

Number of Attendees:

4

Start Date and Time:

dd-mm-yyyy --:--

Create Schedule


2.11 Check the meeting scheduling functionality by selecting a date and time using the calendar icon

### Schedule a Meeting

Meeting Topic:

Number of Attendees:

Start Date and Time:

March, 2025

Mo	Tu	We	Th	Fr	Sa	Su
24	25	26	27	28	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Clear Today

dd-mm-yyyy --:--

By following these steps, you have successfully built a functional client meeting scheduler with profile management and scheduling features. This project enhances your skills in web development, styling, and debugging, preparing you for more advanced applications.