Lesson-End Project

Programming and Managing the Behavior of Web Pages Dynamically

Project agenda: To program and manage the behavior of web pages dynamically

Description: This assignment is designed to help understand working with JavaScript to develop a script that can validate the HTML content in web pages. Further, implement the script code in a separate .js file and include it in the HTML web page to work.

Tools required: Text Editor (VS Code recommended), Web Browser

Prerequisites: HTML, JavaScript

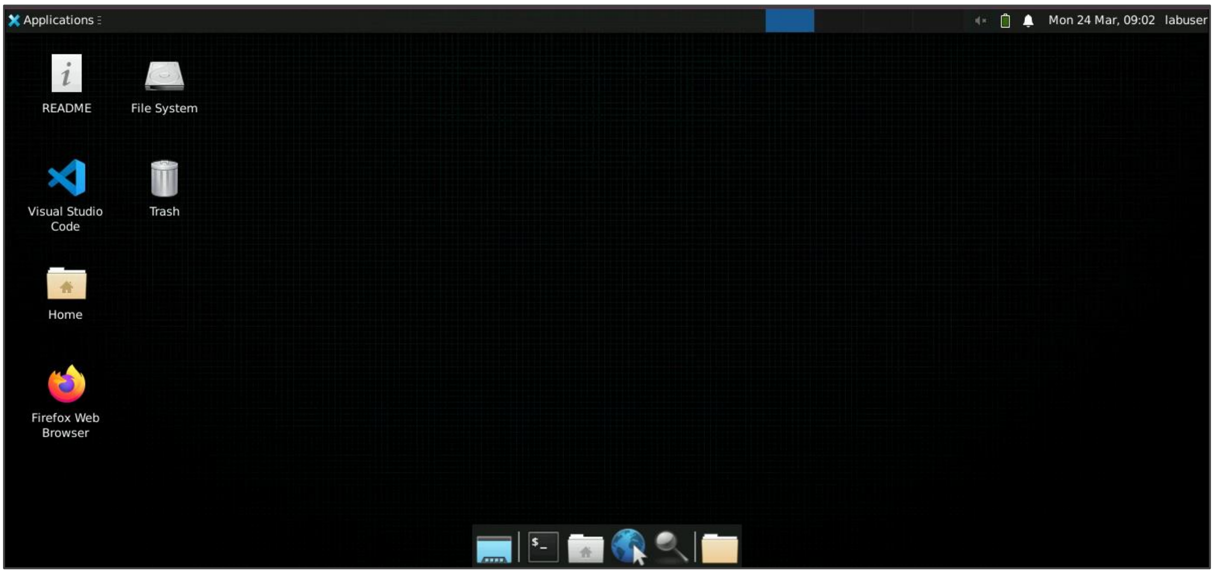
Expected deliverables: A functional JavaScript validation implementation that validates name and email on the client creation page and validates the meeting date on the schedule meeting page, ensuring correctness of user inputs with appropriate alerts.

Steps to be followed:

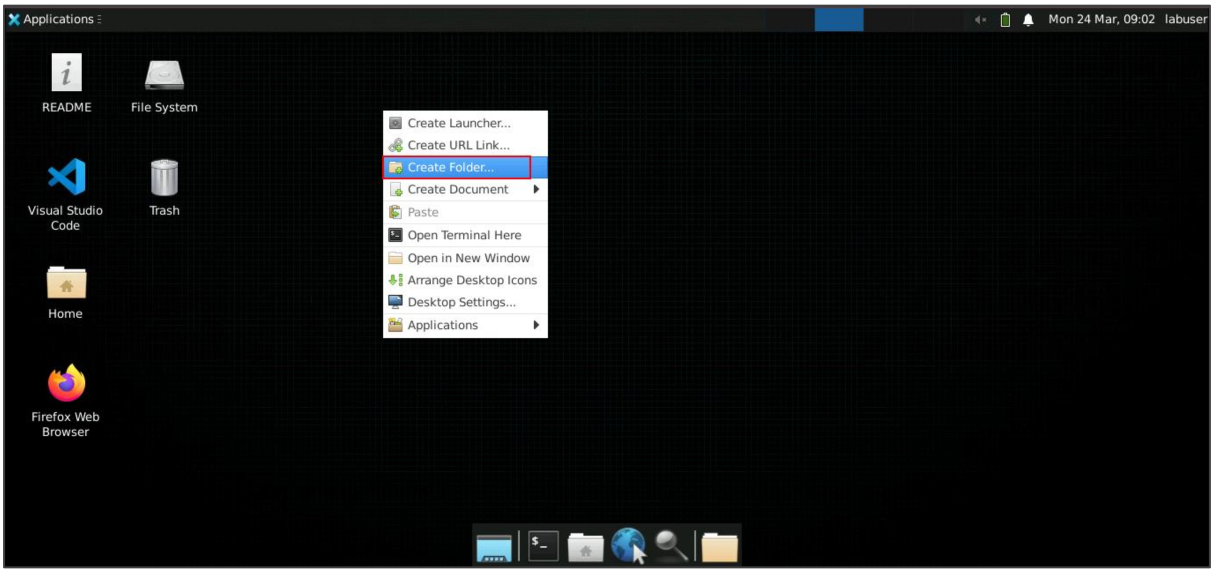
1. Open VS Code and create a new folder
2. Create the initial HTML, CSS, and JS files
3. Create the meeting schedule files
4. Run and test the project

Step 1: Open VS Code and create a new folder

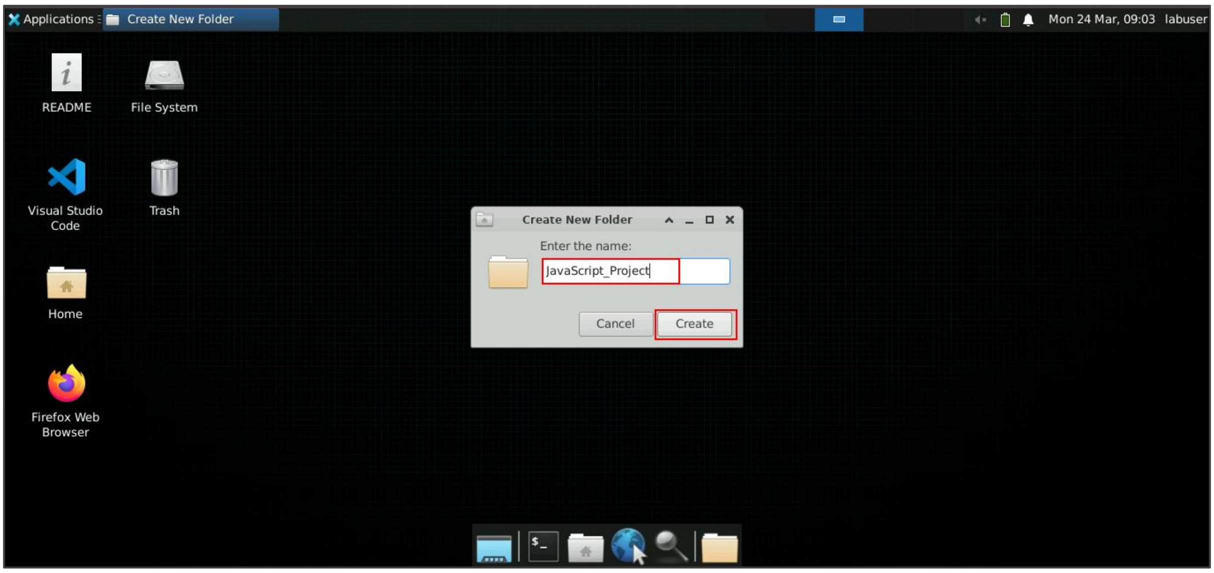
1.1 Open the lab in the LMS portal



1.2 Right-click on select **Create Folder…**

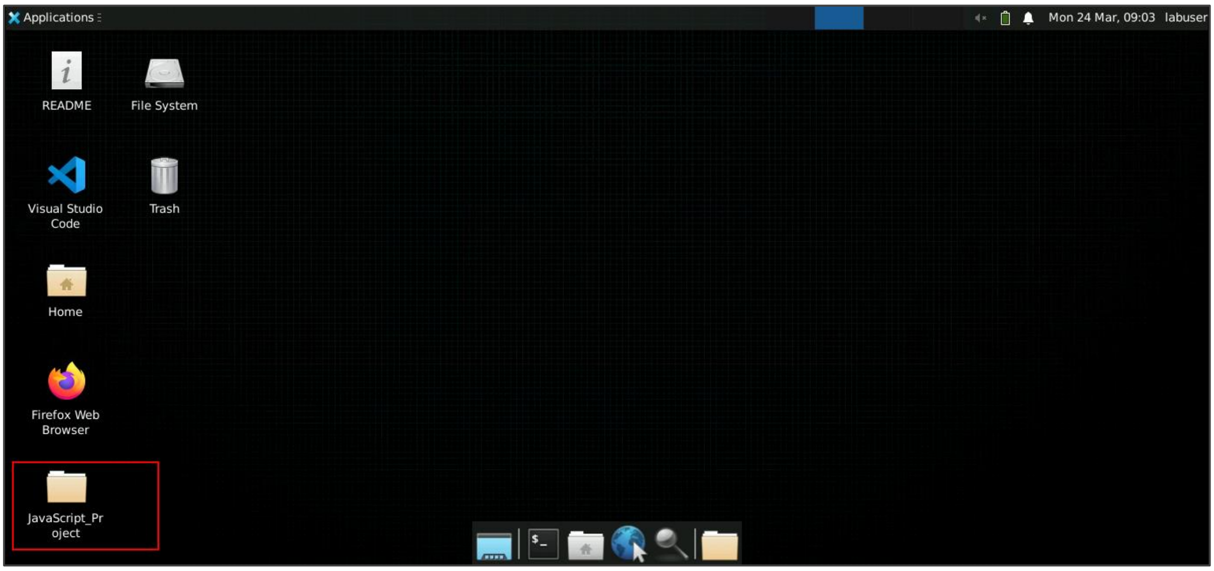


1.3 Enter the folder name as **JavaScript_Project** and click on **Create**

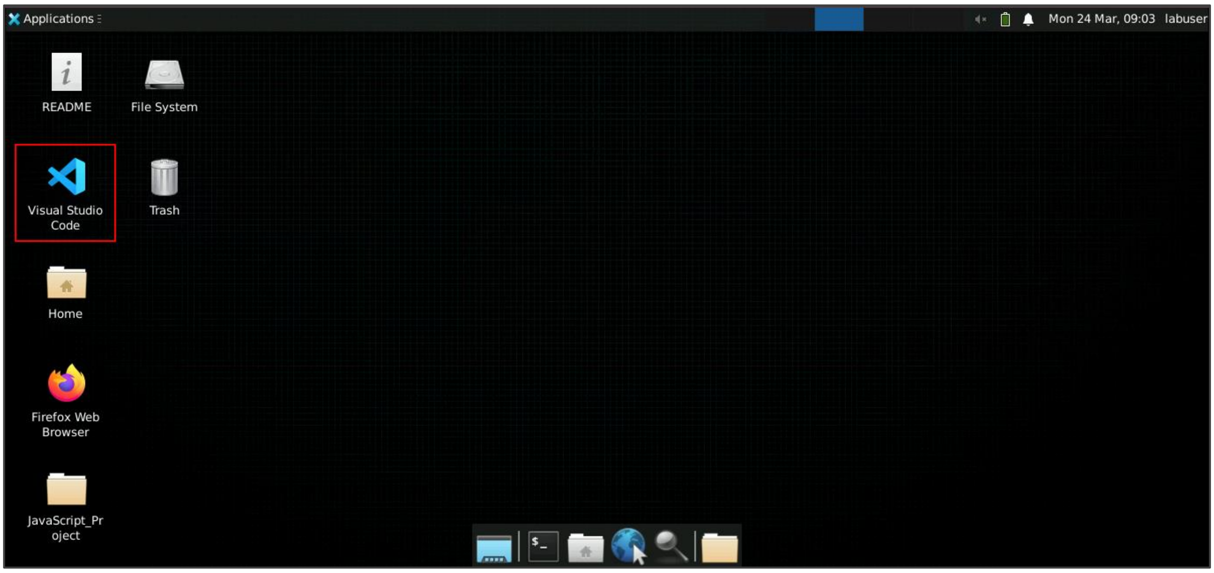


Enter the name: JavaScript_Project

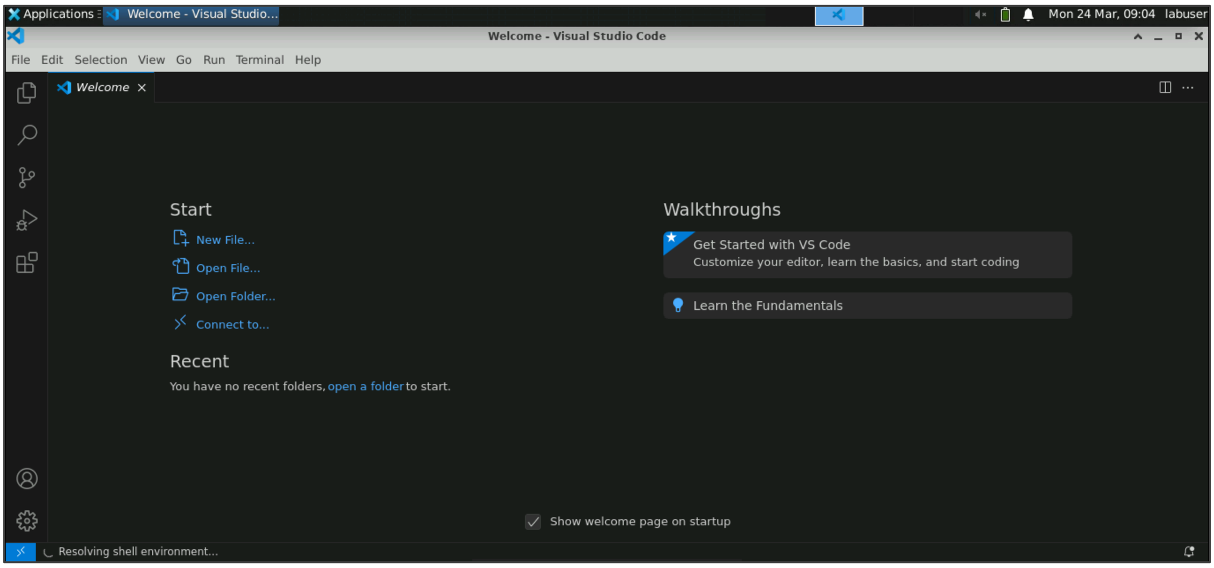
The folder gets created as shown below:



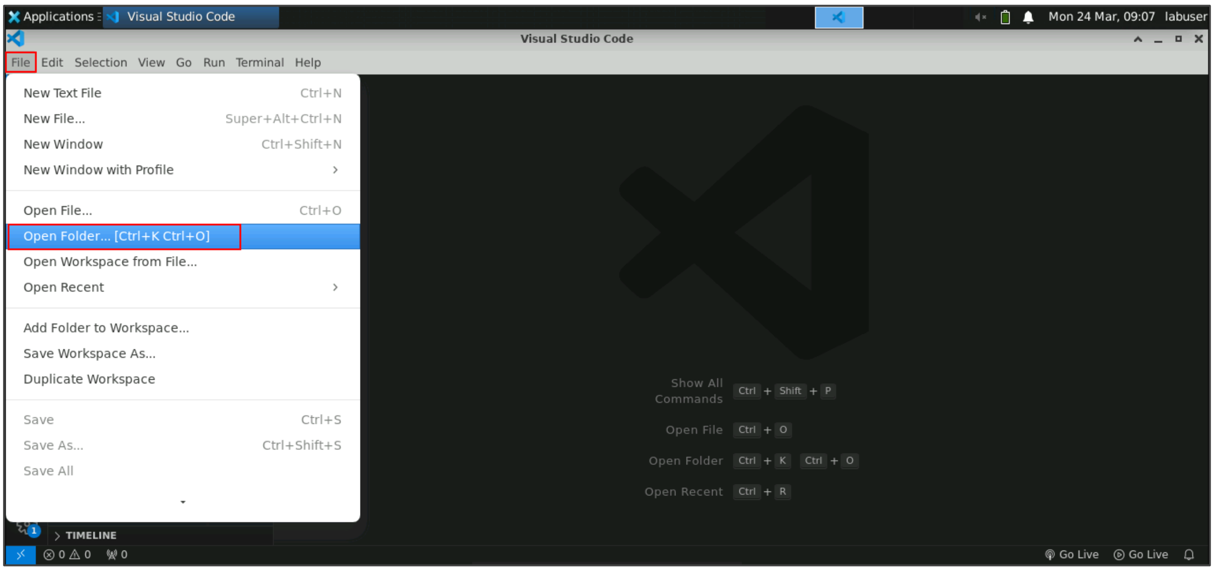
1.4 Double-click on the **Visual Studio Code** icon to open it



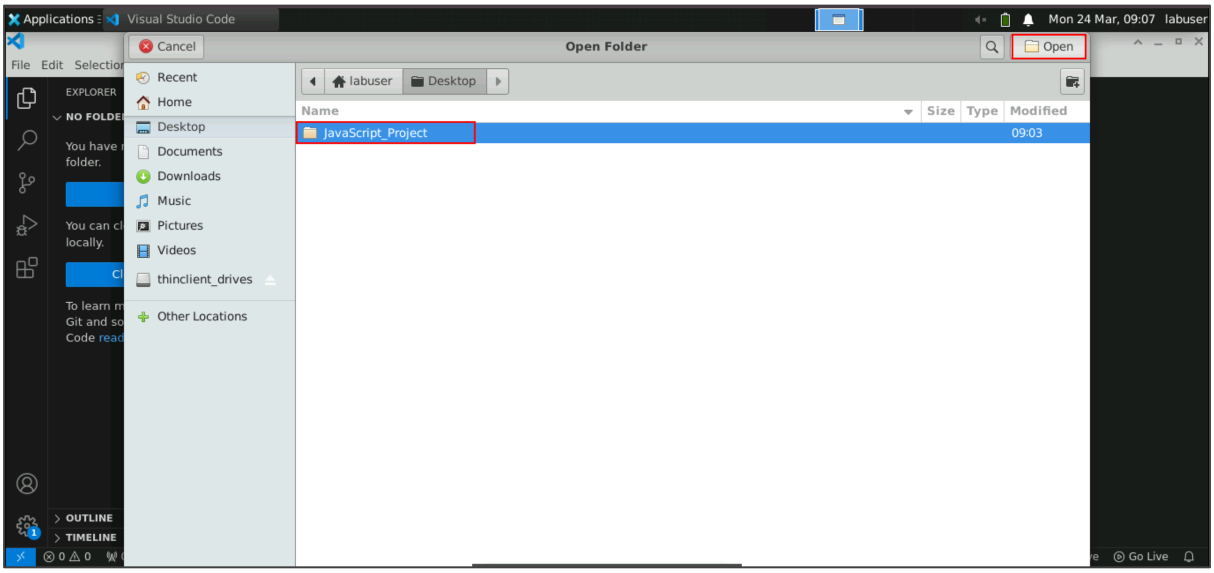
Visual Studio Code opens as shown below:


Applications
Welcome - Visual Studio...
Mon 24 Mar, 09:04 labuser
Welcome - Visual Studio Code
File Edit Selection View Go Run Terminal Help
Welcome
Start
New File...
Open File...
Open Folder...
Connect to...
Recent
You have no recent folders, open a folder to start.
Walkthroughs
Get Started with VS Code
Customize your editor, learn the basics, and start coding
Learn the Fundamentals
Show welcome page on startup
Resolving shell environment...

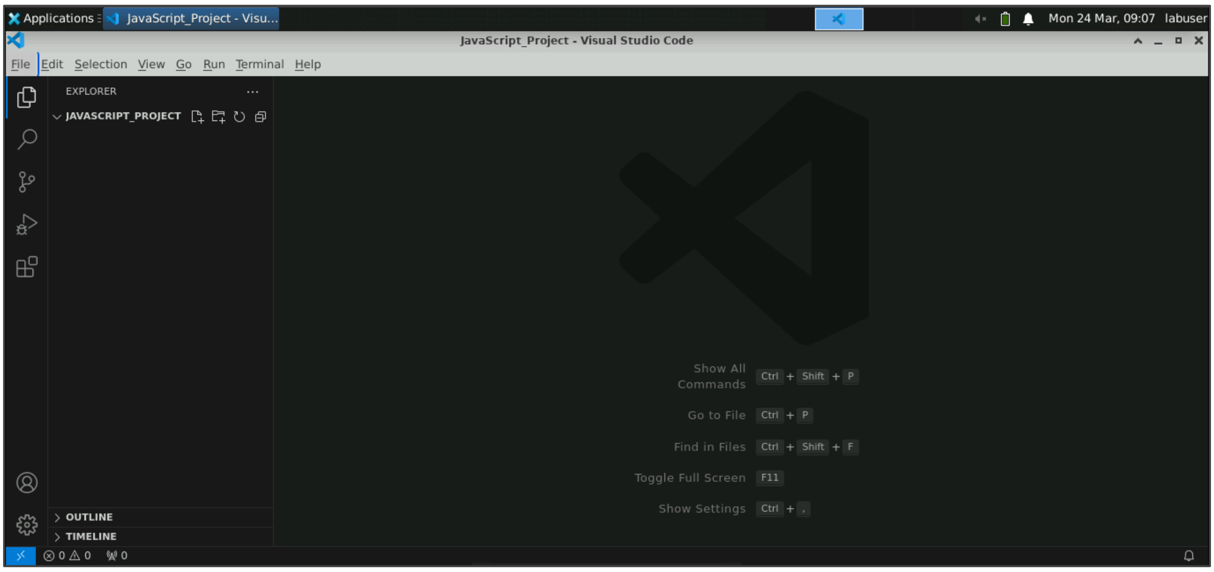
1.5 Click on **File** and select **Open Folder…**



1.6 Select the **JavaScript_Project** folder and click on **Open**

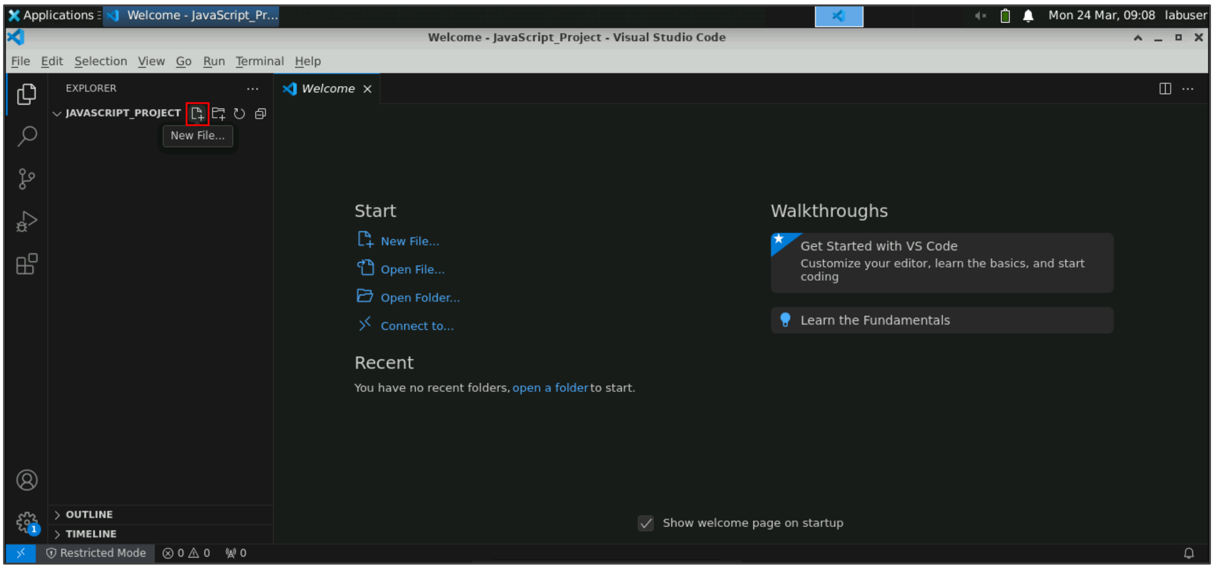


The folder opens as shown below:

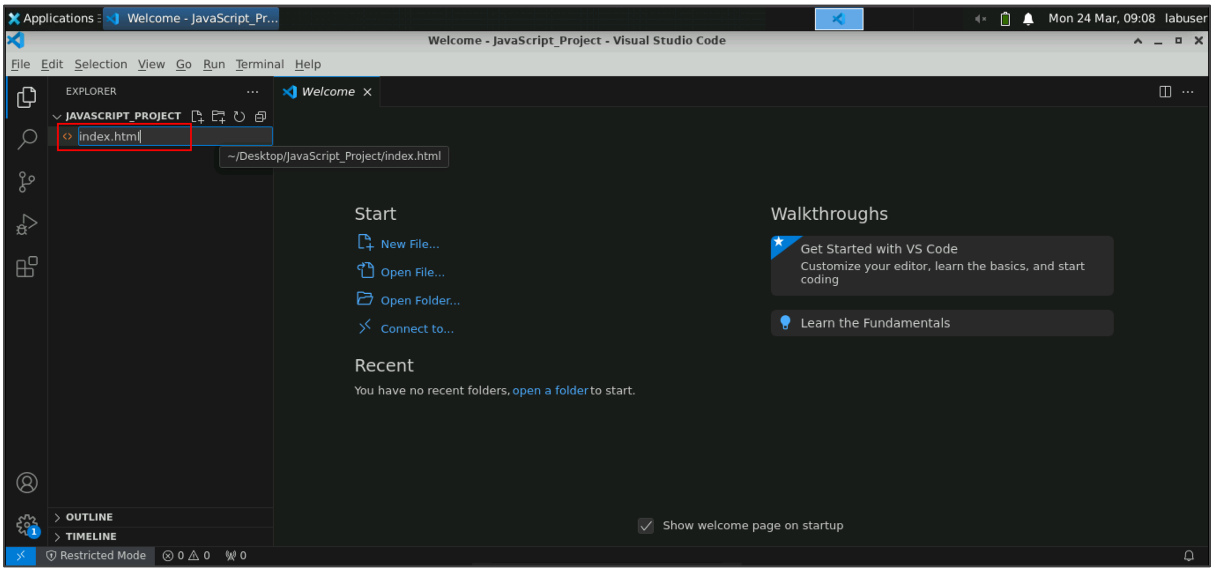

Applications
JavaScript_Project - Visu...
Mon 24 Mar, 09:07 labuser
JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
OUTLINE
TIMELINE
Show All Commands Ctrl + Shift + P
Go to File Ctrl + P
Find in Files Ctrl + Shift + F
Toggle Full Screen F11
Show Settings Ctrl + ,

Step 2: Create the initial HTML, CSS, and JS files

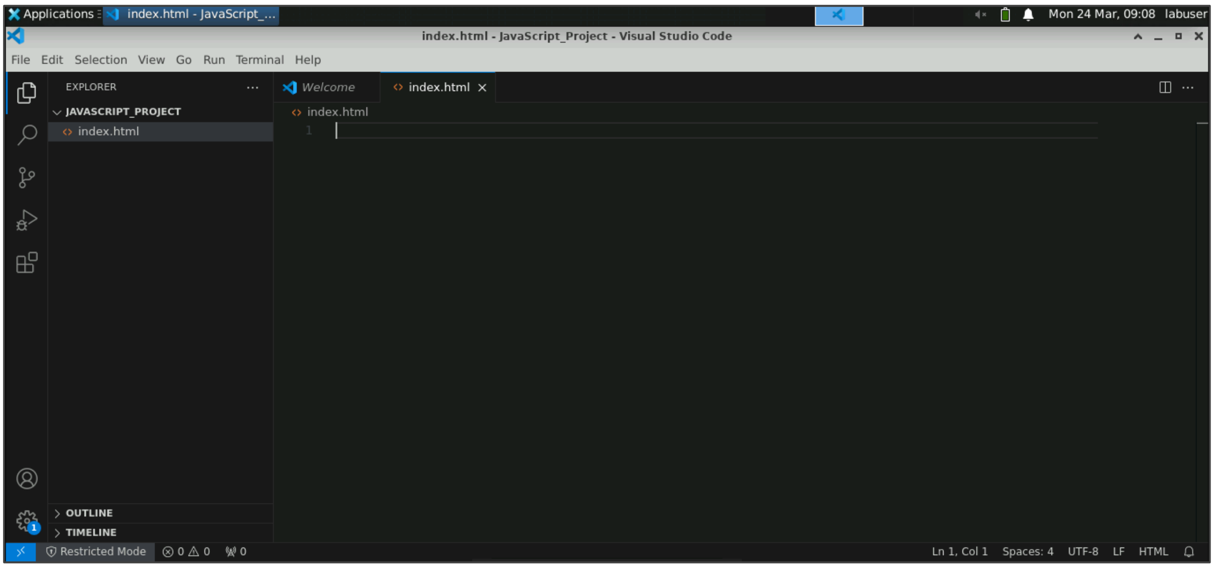
2.1 Click on the **New File** icon


Applications
Welcome - JavaScript_Pr...
Mon 24 Mar, 09:08 labuser
Welcome - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
New File...
Welcome
Start
New File...
Open File...
Open Folder...
Connect to...
Recent
You have no recent folders, open a folder to start.
Walkthroughs
Get Started with VS Code
Customize your editor, learn the basics, and start coding
Learn the Fundamentals
Show welcome page on startup
OUTLINE
TIMELINE
Restricted Mode
0 0
0

2.2 Enter the file name as **index.html** and press **Enter**

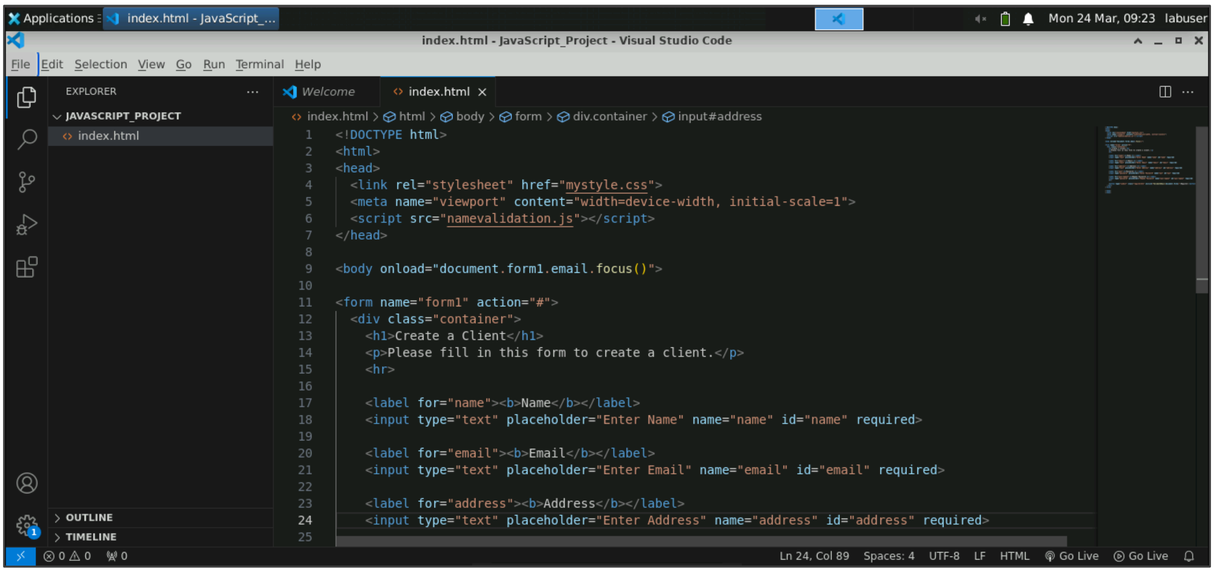

Applications
Welcome - JavaScript_Pr...
Mon 24 Mar, 09:08 labuser
Welcome - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
~/Desktop/JavaScript_Project/index.html
Welcome
Start
New File...
Open File...
Open Folder...
Connect to...
Recent
You have no recent folders, open a folder to start.
Walkthroughs
Get Started with VS Code
Customize your editor, learn the basics, and start coding
Learn the Fundamentals
Show welcome page on startup
OUTLINE
TIMELINE
Restricted Mode
0 0
0

The **index.html** file gets created as shown below:


Applications
index.html - JavaScript_...
Mon 24 Mar, 09:08 labuser
index.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
Welcome
index.html
index.html
OUTLINE
TIMELINE
Restricted Mode
0 0
0
Ln 1, Col 1 Spaces: 4 UTF-8 LF HTML

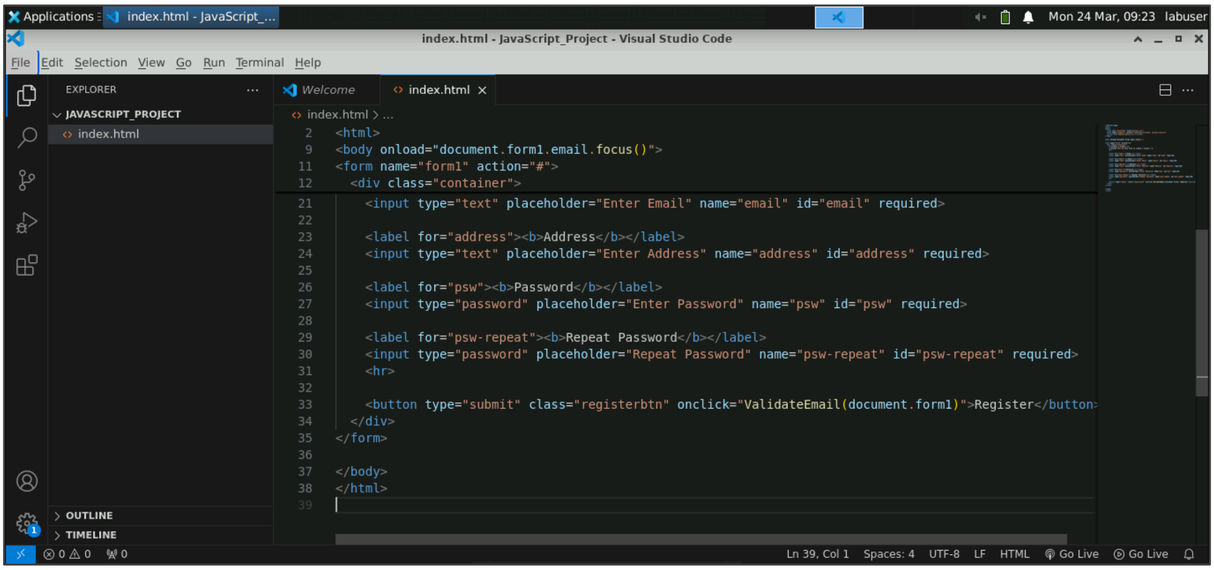
2.3 Enter the code below in the **index.html** file and save the file by clicking on **ctrl + s**

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="mystyle.css">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="namevalidation.js"></script>
</head>

<body onload="document.form1.email.focus()">

<form name="form1" action="#">
  <div class="container">
    <h1>Create a Client</h1>
    <p>Please fill in this form to create a client.</p>
    <hr>

    <label for="name"><b>Name</b></label>
    <input type="text" placeholder="Enter Name" name="name" id="name" required>

    <label for="email"><b>Email</b></label>
    <input type="text" placeholder="Enter Email" name="email" id="email" required>

    <label for="address"><b>Address</b></label>
    <input type="text" placeholder="Enter Address" name="address" id="address" required>

    <label for="psw"><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="psw" id="psw" required>

    <label for="psw-repeat"><b>Repeat Password</b></label>
    <input type="password" placeholder="Repeat Password" name="psw-repeat" id="psw-repeat" required>
    <hr>

    <button type="submit" class="registerbtn" onclick="ValidateEmail(document.form1)">Register</button>
  </div>
</form>

</body>
</html>
```



Applications
index.html - JavaScript_...
Mon 24 Mar, 09:23 labuser
index.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
Welcome
index.html
index.html > html > body > form > div.container > input#address
OUTLINE
TIMELINE
0 0 0
Ln 24, Col 89 Spaces: 4 UTF-8 LF HTML Go Live Go Live

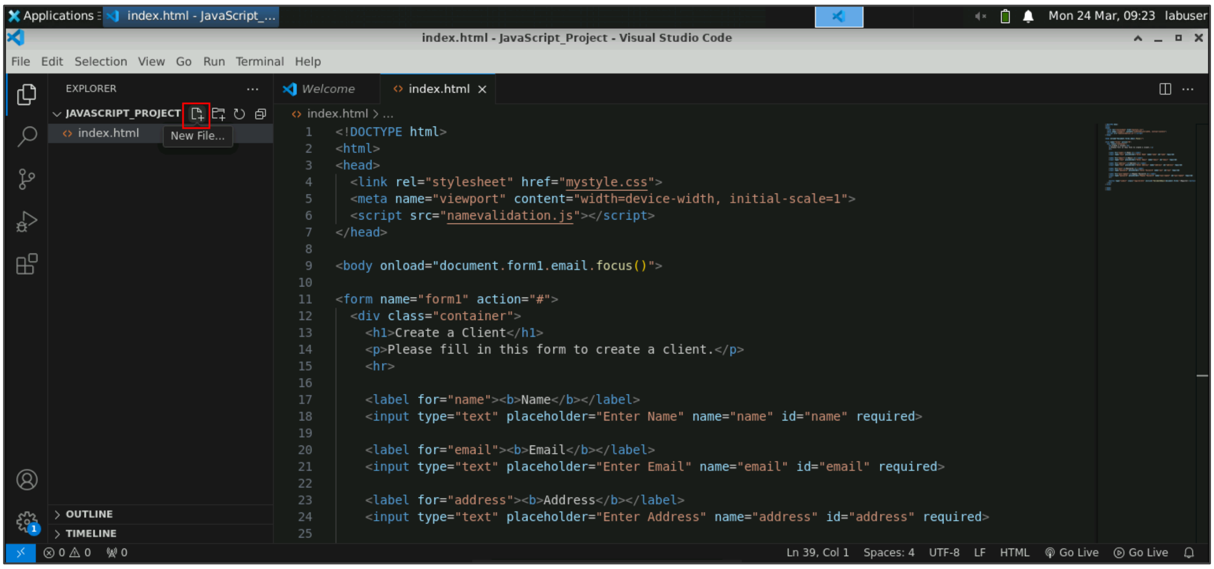
```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="mystyle.css">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="namevalidation.js"></script>
</head>

<body onload="document.form1.email.focus()">

<form name="form1" action="#">
  <div class="container">
    <h1>Create a Client</h1>
    <p>Please fill in this form to create a client.</p>
    <hr>

    <label for="name"><b>Name</b></label>
    <input type="text" placeholder="Enter Name" name="name" id="name" required>

    <label for="email"><b>Email</b></label>
    <input type="text" placeholder="Enter Email" name="email" id="email" required>

    <label for="address"><b>Address</b></label>
    <input type="text" placeholder="Enter Address" name="address" id="address" required>

```



index.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
Welcome
index.html
OUTLINE
TIMELINE
Ln 39, Col 1 Spaces: 4 UTF-8 LF HTML Go Live Go Live

```html
<html>
<body onload="document.form1.email.focus()">
<form name="form1" action="#">
  <div class="container">
    <input type="text" placeholder="Enter Email" name="email" id="email" required>

    <label for="address"><b>Address</b></label>
    <input type="text" placeholder="Enter Address" name="address" id="address" required>

    <label for="psw"><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="psw" id="psw" required>

    <label for="psw-repeat"><b>Repeat Password</b></label>
    <input type="password" placeholder="Repeat Password" name="psw-repeat" id="psw-repeat" required>
    <hr>

    <button type="submit" class="registerbtn" onclick="ValidateEmail(document.form1)">Register</button
  </div>
</form>

</body>
</html>

```

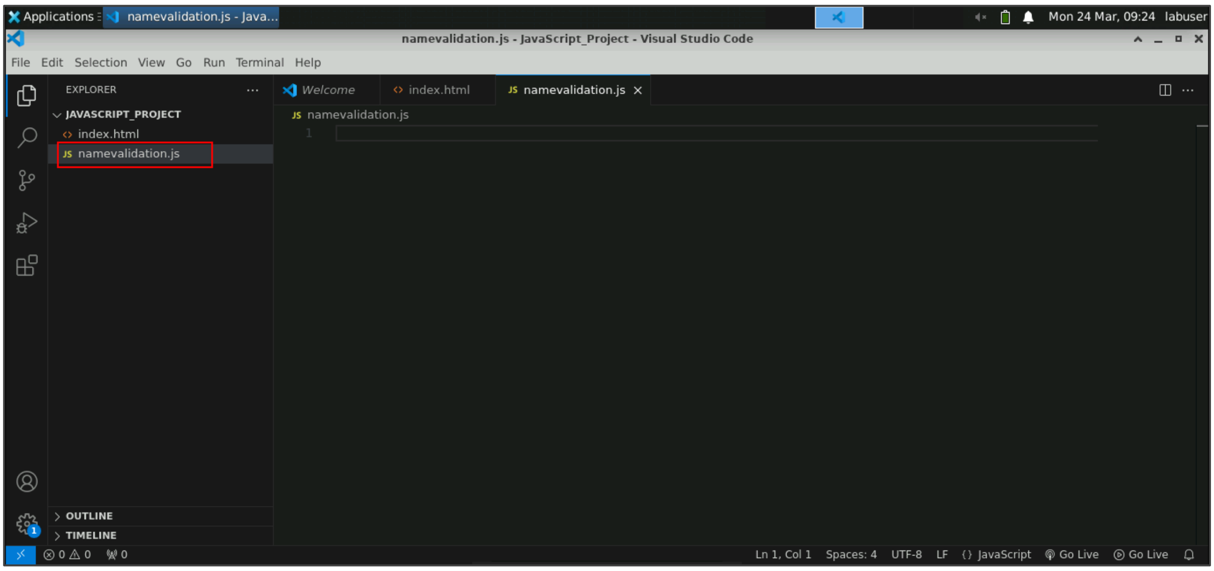
2.4 Click on the **New File** icon



index.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
New File...
Welcome
index.html
OUTLINE
TIMELINE
Ln 39, Col 1 Spaces: 4 UTF-8 LF HTML Go Live Go Live

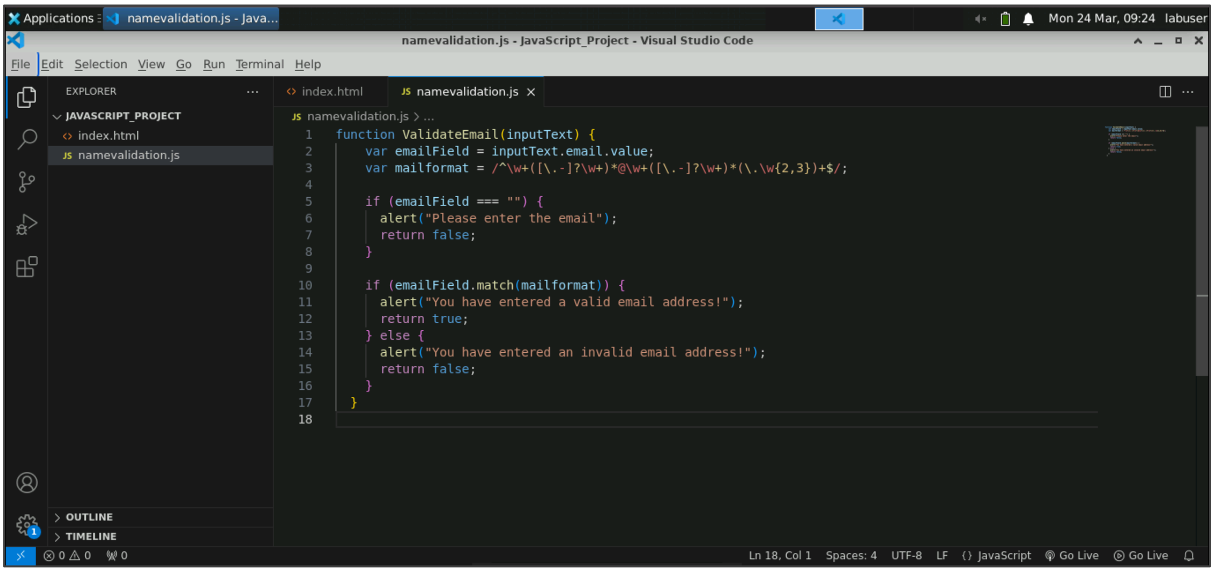
```html
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="mystyle.css">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="namevalidation.js"></script>
</head>

<body onload="document.form1.email.focus()">

<form name="form1" action="#">
  <div class="container">
    <h1>Create a Client</h1>
    <p>Please fill in this form to create a client.</p>
    <hr>

    <label for="name"><b>Name</b></label>
    <input type="text" placeholder="Enter Name" name="name" id="name" required>

    <label for="email"><b>Email</b></label>
    <input type="text" placeholder="Enter Email" name="email" id="email" required>

    <label for="address"><b>Address</b></label>
    <input type="text" placeholder="Enter Address" name="address" id="address" required>

```

2.5 Enter the file name as **namevalidation.js** and press **Enter**


Applications
namevalidation.js - Java...
Mon 24 Mar, 09:24 labuser
namevalidation.js - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
namevalidation.js
Welcome
index.html
namevalidation.js
OUTLINE
TIMELINE
Ln 1, Col 1 Spaces: 4 UTF-8 LF JavaScript Go Live Go Live

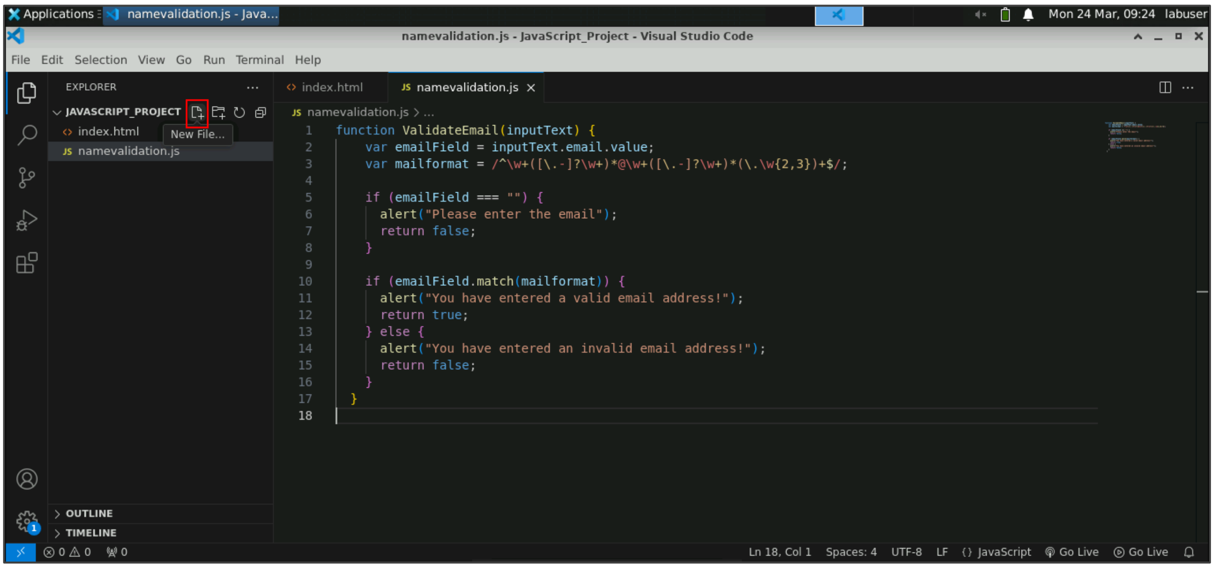
2.6 Enter the code below in the **namevalidation.js** and save the file by clicking on **ctrl** + **s:**

```
function ValidateEmail(inputText) {
  var emailField = inputText.email.value;
  var mailformat = /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/;

  if (emailField === "") {
    alert("Please enter the email");
    return false;
  }

  if (emailField.match(mailformat)) {
    alert("You have entered a valid email address!");
    return true;
  } else {
    alert("You have entered an invalid email address!");
    return false;
  }
}
```


Applications
namevalidation.js - Java...
Mon 24 Mar, 09:24 labuser
namevalidation.js - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
namevalidation.js
OUTLINE
TIMELINE
index.html
namevalidation.js
namevalidation.js > ...
Ln 18, Col 1 Spaces: 4 UTF-8 LF {} JavaScript Go Live Go Live

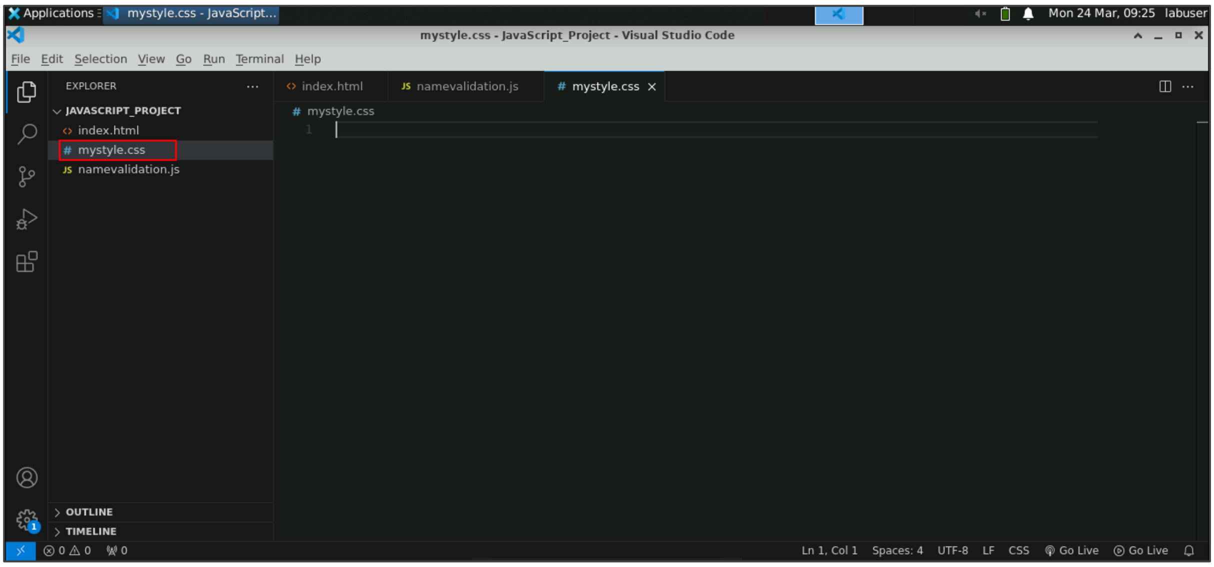
```
function ValidateEmail(inputText) {
    var emailField = inputText.email.value;
    var mailformat = /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/;

    if (emailField === "") {
      alert("Please enter the email");
      return false;
    }

    if (emailField.match(mailformat)) {
      alert("You have entered a valid email address!");
      return true;
    } else {
      alert("You have entered an invalid email address!");
      return false;
    }
  }
```

2.7 Click on **New file** icon


Applications
namevalidation.js - Java...
Mon 24 Mar, 09:24 labuser
namevalidation.js - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
New File...
index.html
namevalidation.js
OUTLINE
TIMELINE
index.html
namevalidation.js
namevalidation.js > ...
Ln 18, Col 1 Spaces: 4 UTF-8 LF {} JavaScript Go Live Go Live

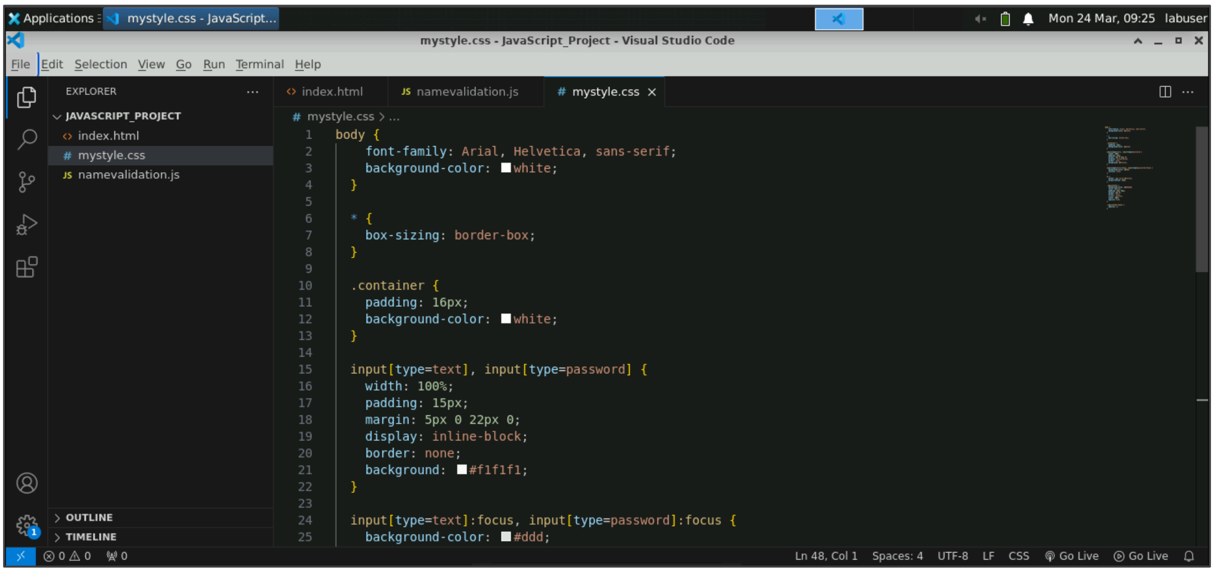
```
function ValidateEmail(inputText) {
    var emailField = inputText.email.value;
    var mailformat = /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/;

    if (emailField === "") {
      alert("Please enter the email");
      return false;
    }

    if (emailField.match(mailformat)) {
      alert("You have entered a valid email address!");
      return true;
    } else {
      alert("You have entered an invalid email address!");
      return false;
    }
  }
```

2.8 Enter the file name as **mystyle.css** and press **Enter**

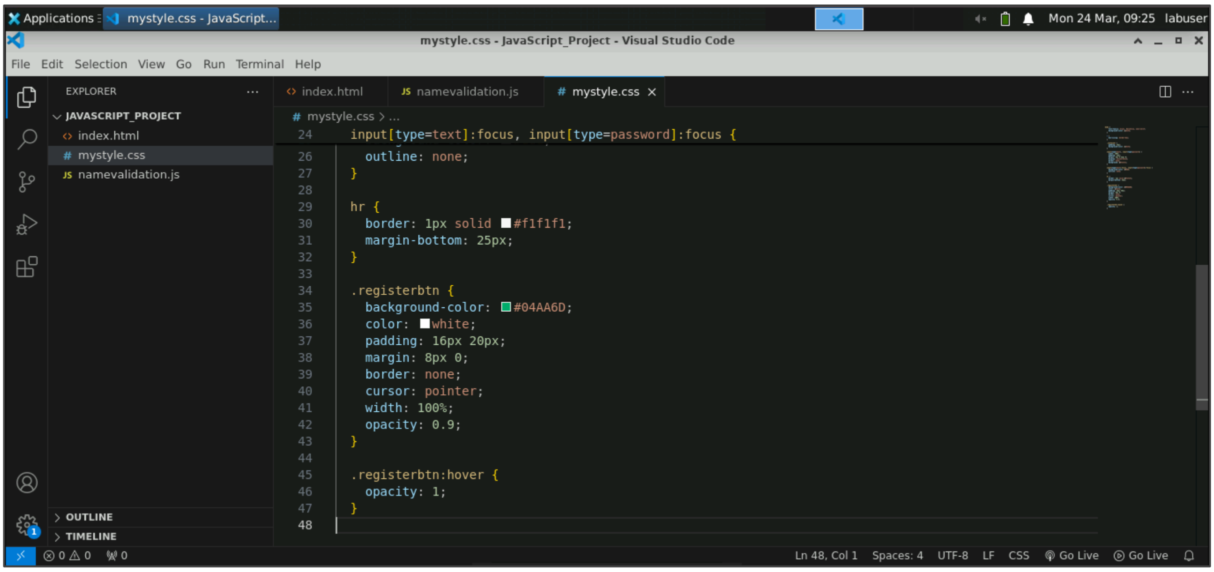

Applications
mystyle.css - JavaScript...
Mon 24 Mar, 09:25 labuser
mystyle.css - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
mystyle.css
namevalidation.js
index.html
namevalidation.js
mystyle.css
mystyle.css
OUTLINE
TIMELINE
0 0 0
Ln 1, Col 1 Spaces: 4 UTF-8 LF CSS Go Live Go Live

2.9 Enter the below code in the **mystyle.css** file and save the file by clicking on **ctrl** + **s:**

```
body {
  font-family: Arial, Helvetica, sans-serif;
  background-color: white;
}

* {
  box-sizing: border-box;
}

.container {
  padding: 16px;
  background-color: white;
}

input[type=text], input[type=password] {
  width: 100%;
  padding: 15px;
  margin: 5px 0 22px 0;
  display: inline-block;
  border: none;
  background: #f1f1f1;
}

input[type=text]:focus, input[type=password]:focus {
  background-color: #ddd;
  outline: none;
}

hr {
  border: 1px solid #f1f1f1;
  margin-bottom: 25px;
}

.registerbtn {
  background-color: #04AA6D;
  color: white;
  padding: 16px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
  opacity: 0.9;
}

.registerbtn:hover {
  opacity: 1;
}
```


Applications
mystyle.css - JavaScript...
Mon 24 Mar, 09:25 labuser
mystyle.css - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
mystyle.css
namevalidation.js
OUTLINE
TIMELINE
index.html
namevalidation.js
mystyle.css
mystyle.css > ...
Ln 48, Col 1 Spaces: 4 UTF-8 LF CSS Go Live Go Live

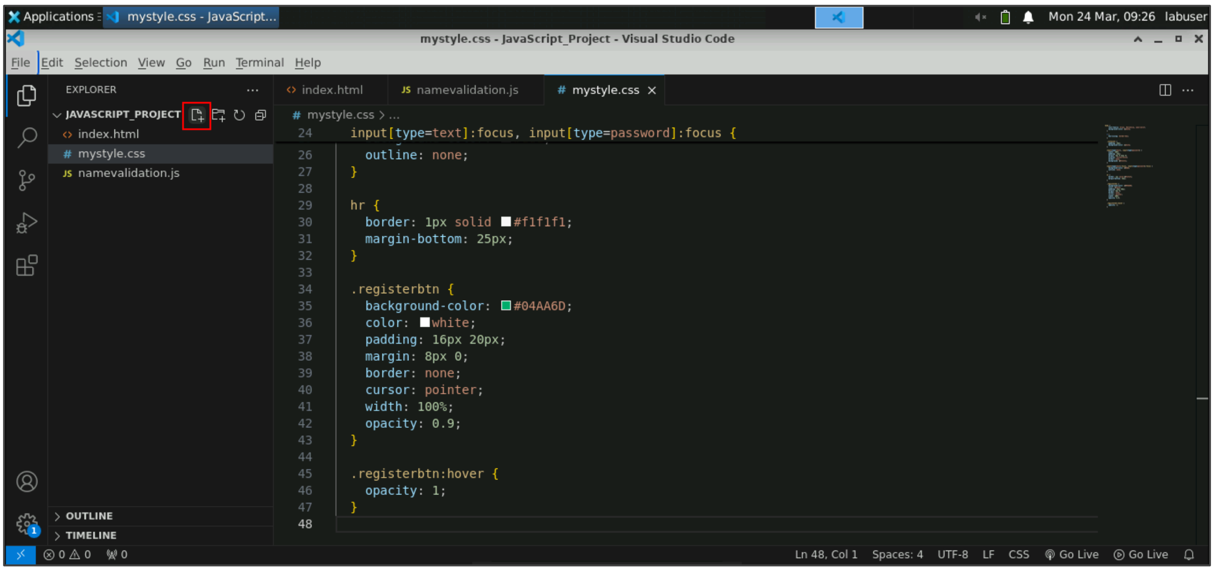
```
body {
    font-family: Arial, Helvetica, sans-serif;
    background-color: white;
  }

  * {
    box-sizing: border-box;
  }

  .container {
    padding: 16px;
    background-color: white;
  }

  input[type=text], input[type=password] {
    width: 100%;
    padding: 15px;
    margin: 5px 0 22px 0;
    display: inline-block;
    border: none;
    background: #f1f1f1;
  }

  input[type=text]:focus, input[type=password]:focus {
    background-color: #ddd;
```


Applications
mystyle.css - JavaScript...
Mon 24 Mar, 09:25 labuser
mystyle.css - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
mystyle.css
namevalidation.js
OUTLINE
TIMELINE
index.html
namevalidation.js
mystyle.css
mystyle.css > ...
Ln 48, Col 1 Spaces: 4 UTF-8 LF CSS Go Live Go Live

```
input[type=text]:focus, input[type=password]:focus {
  outline: none;
}

hr {
  border: 1px solid #f1f1f1;
  margin-bottom: 25px;
}

.registerbtn {
  background-color: #04AA6D;
  color: white;
  padding: 16px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
  opacity: 0.9;
}

.registerbtn:hover {
  opacity: 1;
}
```

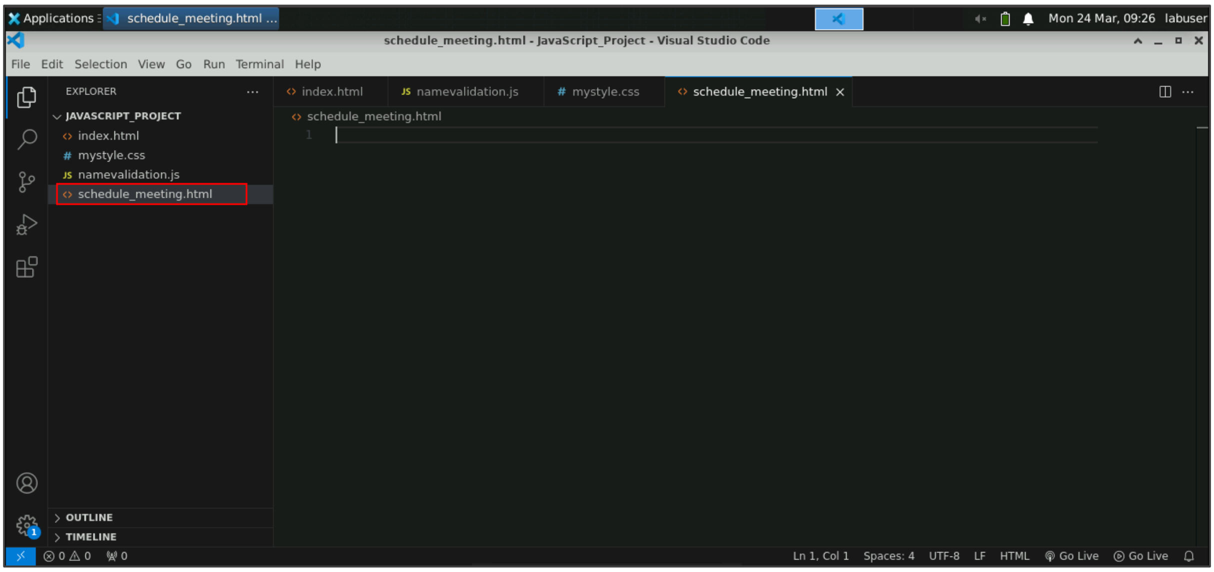
Step 3: Create the meeting schedule files

3.1 Click on the **New File** icon


Applications
mystyle.css - JavaScript...
Mon 24 Mar, 09:26 labuser
mystyle.css - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
mystyle.css
namevalidation.js
OUTLINE
TIMELINE
index.html
namevalidation.js
mystyle.css
mystyle.css > ...
Ln 48, Col 1 Spaces: 4 UTF-8 LF CSS Go Live Go Live

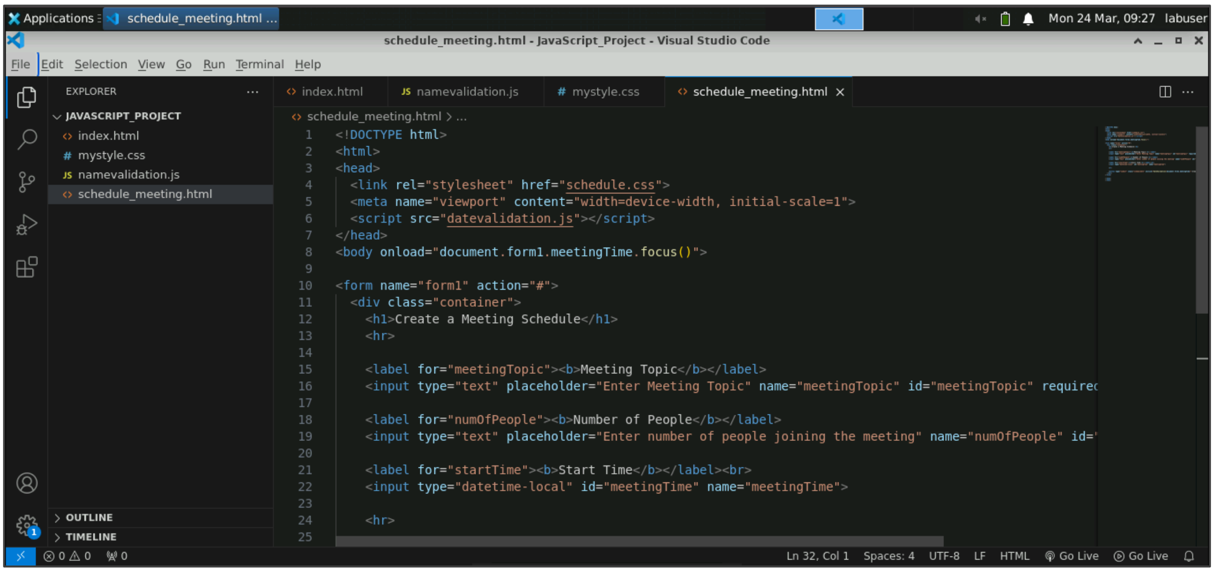
```
input[type=text]:focus, input[type=password]:focus {
  outline: none;
}

hr {
  border: 1px solid #f1f1f1;
  margin-bottom: 25px;
}

.registerbtn {
  background-color: #04AA6D;
  color: white;
  padding: 16px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
  opacity: 0.9;
}

.registerbtn:hover {
  opacity: 1;
}
```

3.2 Enter the file name as **schedule_meeting.html** and press **Enter**

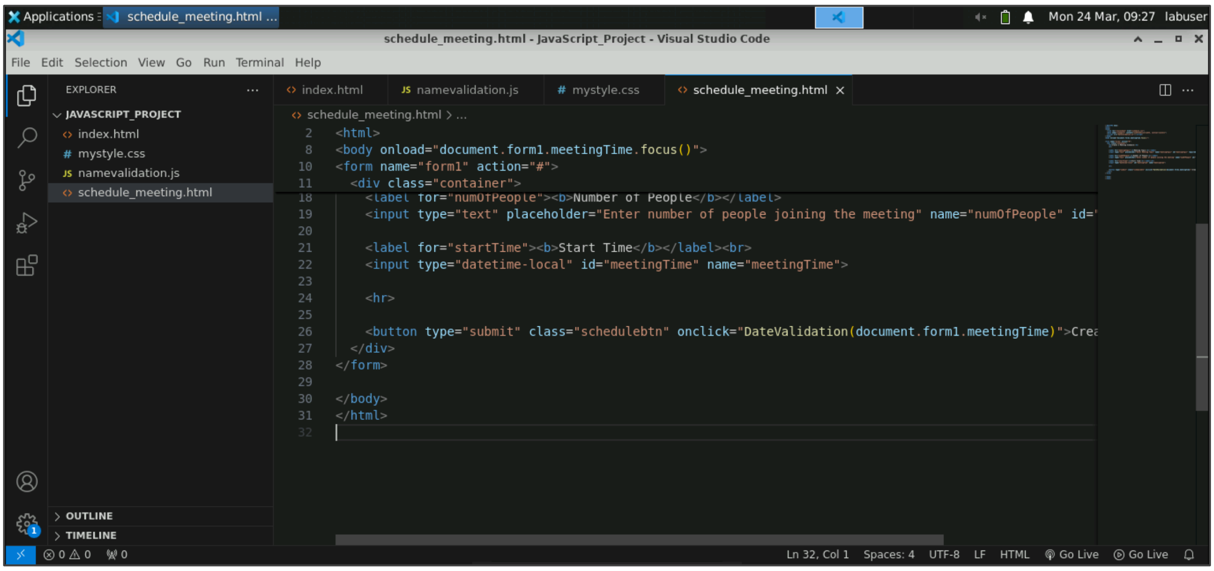

Applications
schedule_meeting.html ...
Mon 24 Mar, 09:26 labuser
schedule_meeting.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
mystyle.css
namevalidation.js
schedule_meeting.html
index.html
namevalidation.js
mystyle.css
schedule_meeting.html
schedule_meeting.html
OUTLINE
TIMELINE
0 0
0
Ln 1, Col 1 Spaces: 4 UTF-8 LF HTML Go Live Go Live

3.3 Enter the code below in the **schedule_meeting.html** and save the file by clicking on **ctrl** + **s:**

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="schedule.css">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="datevalidation.js"></script>
</head>
<body onload="document.form1.meetingTime.focus()">

<form name="form1" action="#">
  <div class="container">
    <h1>Create a Meeting Schedule</h1>
    <hr>

    <label for="meetingTopic"><b>Meeting Topic</b></label>
    <input type="text" placeholder="Enter Meeting Topic" name="meetingTopic"
id="meetingTopic" required>

    <label for="numOfPeople"><b>Number of People</b></label>
    <input type="text" placeholder="Enter number of people joining the meeting"
name="numOfPeople" id="numOfPeople" required>

    <label for="startTime"><b>Start Time</b></label><br>
    <input type="datetime-local" id="meetingTime" name="meetingTime">

    <hr>
    <button type="submit" class="schedulebtn"
onclick="DateValidation(document.form1.meetingTime)">Create
Schedule</button>
  </div>
</form>

</body>
</html>
```

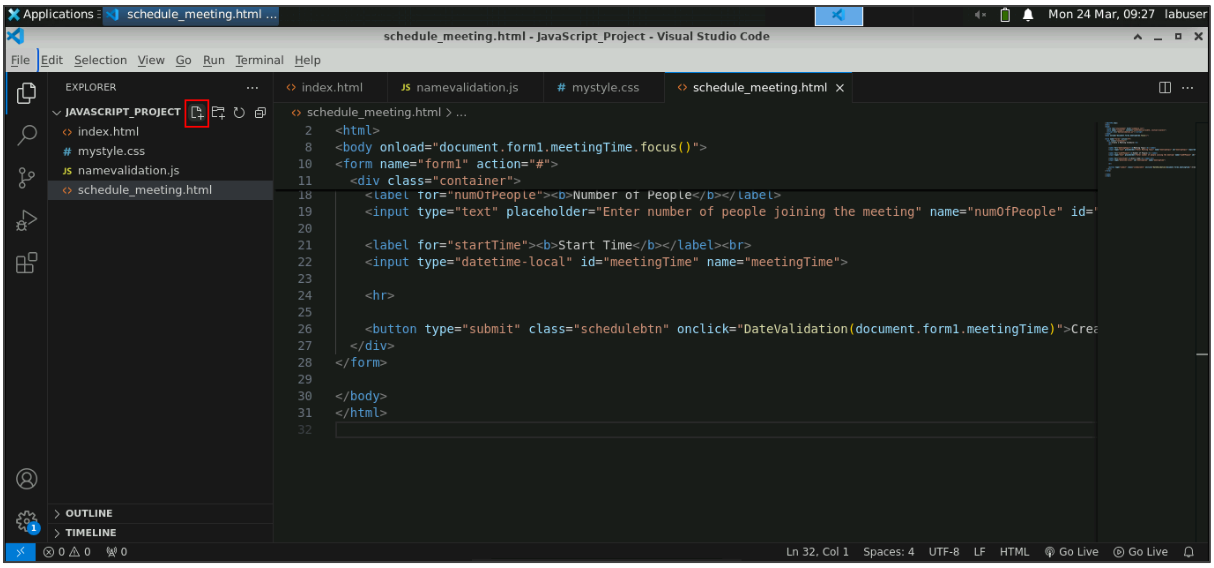


```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="schedule.css">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="datevalidation.js"></script>
</head>
<body onload="document.form1.meetingTime.focus()">

<form name="form1" action="#">
  <div class="container">
    <h1>Create a Meeting Schedule</h1>
    <hr>

    <label for="meetingTopic"><b>Meeting Topic</b></label>
    <input type="text" placeholder="Enter Meeting Topic" name="meetingTopic" id="meetingTopic" requirec

    <label for="numOfPeople"><b>Number of People</b></label>
    <input type="text" placeholder="Enter number of people joining the meeting" name="numOfPeople" id='

    <label for="startTime"><b>Start Time</b></label><br>
    <input type="datetime-local" id="meetingTime" name="meetingTime">

    <hr>

```



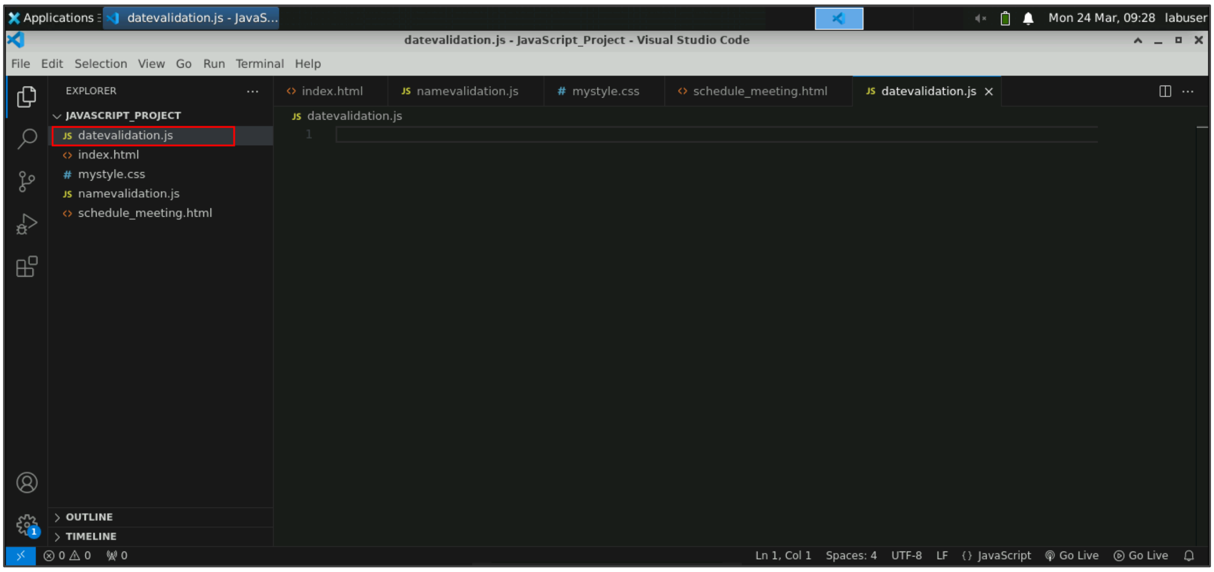
```
<html>
<body onload="document.form1.meetingTime.focus()">
<form name="form1" action="#">
  <div class="container">
    <label for="numOfPeople"><b>Number of People</b></label>
    <input type="text" placeholder="Enter number of people joining the meeting" name="numOfPeople" id='

    <label for="startTime"><b>Start Time</b></label><br>
    <input type="datetime-local" id="meetingTime" name="meetingTime">

    <hr>

    <button type="submit" class="schedulebtn" onclick="DateValidation(document.form1.meetingTime)">Crea
  </div>
</form>

</body>
</html>

```

3.4 Click on the **New File** icon

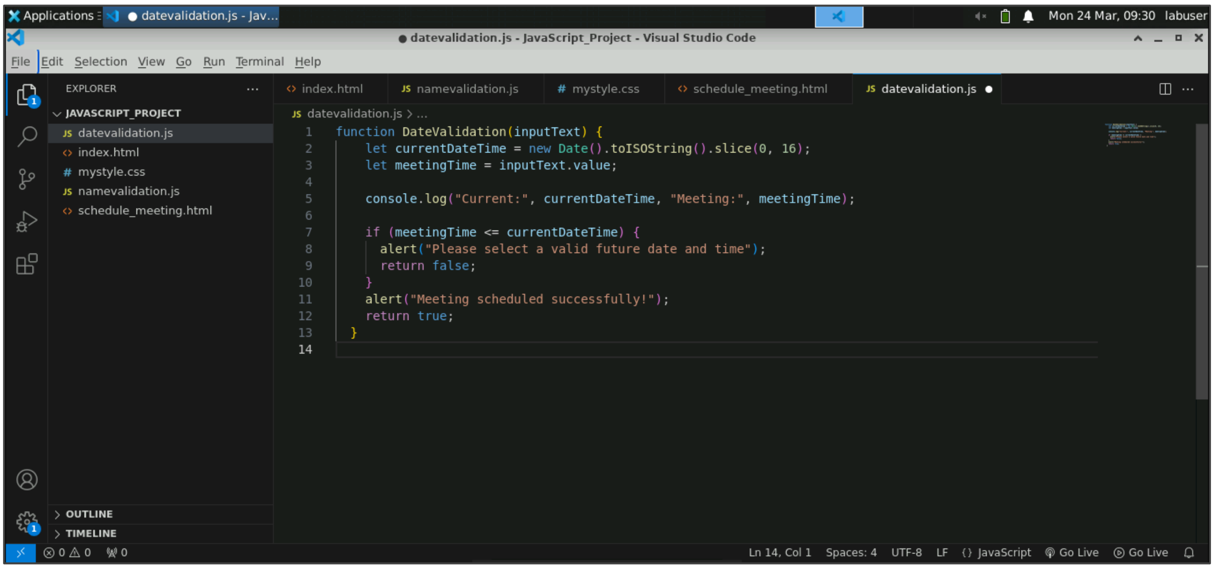

Applications
schedule_meeting.html ...
Mon 24 Mar, 09:27 labuser
schedule_meeting.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
index.html
mystyle.css
namevalidation.js
schedule_meeting.html
OUTLINE
TIMELINE
index.html
namevalidation.js
mystyle.css
schedule_meeting.html
schedule_meeting.html > ...
Ln 32, Col 1 Spaces: 4 UTF-8 LF HTML Go Live Go Live

```
<html>
<body onload="document.form1.meetingTime.focus()">
<form name="form1" action="#">
  <div class="container">
    <label for="numOfPeople"><b>Number of People</b></label>
    <input type="text" placeholder="Enter number of people joining the meeting" name="numOfPeople" id="

    <label for="startTime"><b>Start Time</b></label><br>
    <input type="datetime-local" id="meetingTime" name="meetingTime">

    <hr>

    <button type="submit" class="schedulebtn" onclick="DateValidation(document.form1.meetingTime)">Crea
  </div>
</form>

</body>
</html>
```

3.5 Enter the file name as **datevalidation.js** and press **Enter**

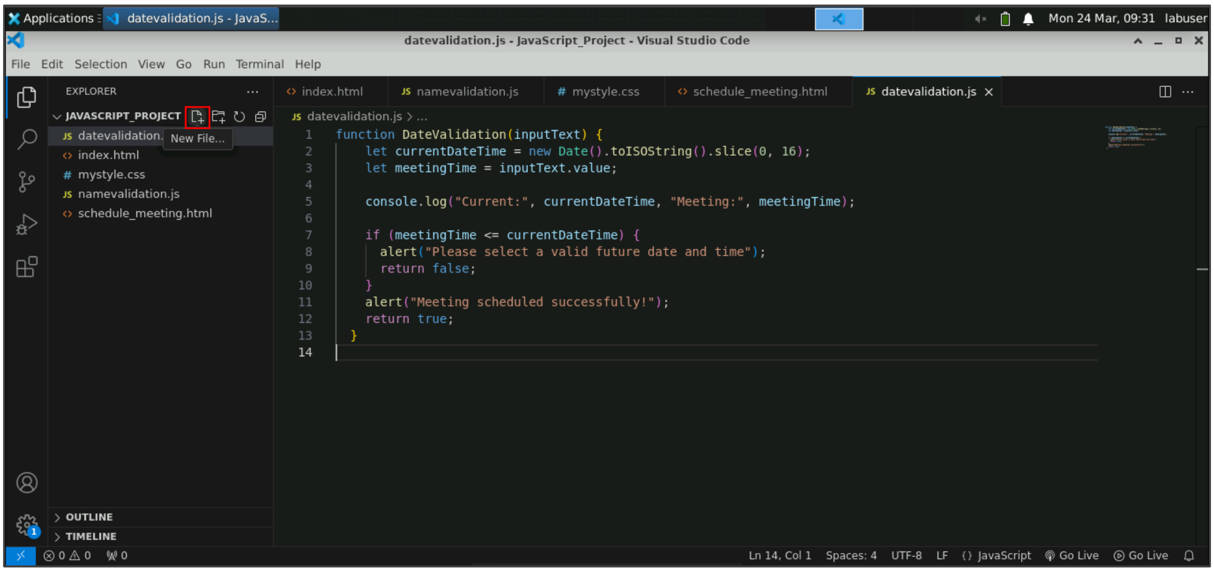


3.6 Enter the code below in the **datevalidation.js** and save the file by clicking on **ctrl** + **s:**



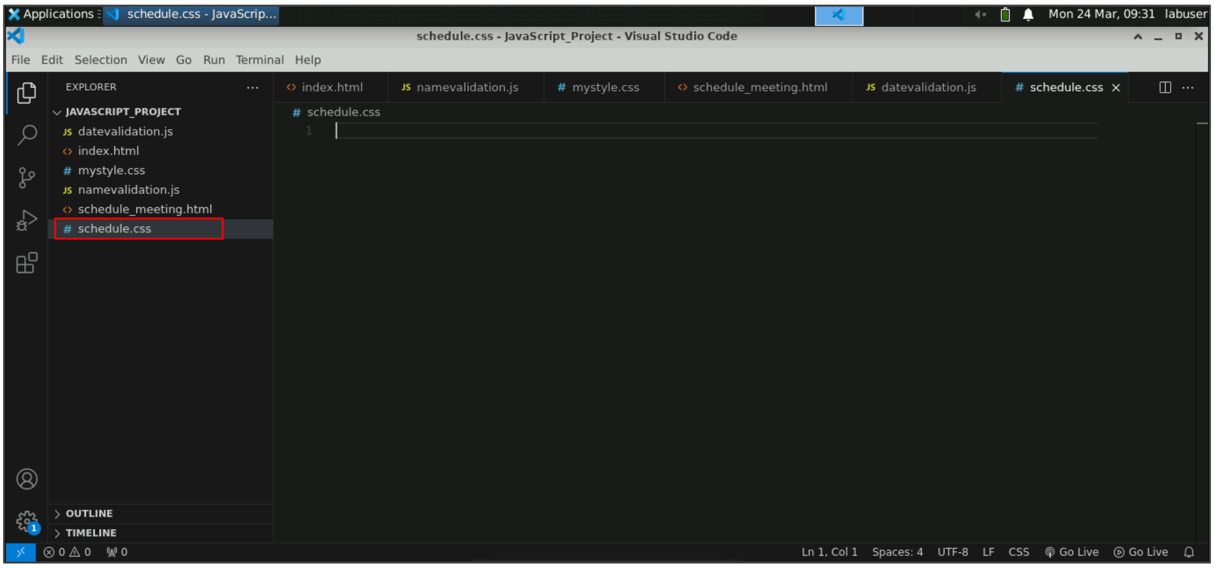
```
function DateValidation(inputText) {
    let currentDateTime = new Date().toISOString().slice(0, 16);
    let meetingTime = inputText.value;

    console.log("Current:", currentDateTime, "Meeting:", meetingTime);

    if (meetingTime <= currentDateTime) {
      alert("Please select a valid future date and time");
      return false;
    }
    alert("Meeting scheduled successfully!");
    return true;
  }

```

3.7 Click on the **New File** icon

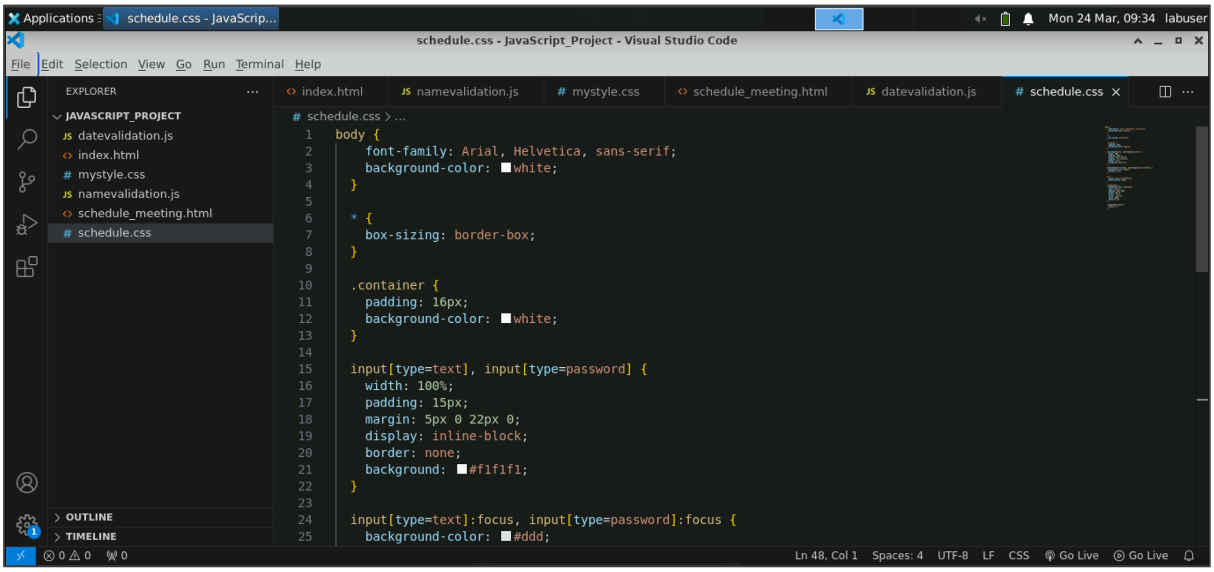


```
function DateValidation(inputText) {
    let currentDateTime = new Date().toISOString().slice(0, 16);
    let meetingTime = inputText.value;

    console.log("Current:", currentDateTime, "Meeting:", meetingTime);

    if (meetingTime <= currentDateTime) {
      alert("Please select a valid future date and time");
      return false;
    }
    alert("Meeting scheduled successfully!");
    return true;
  }

```

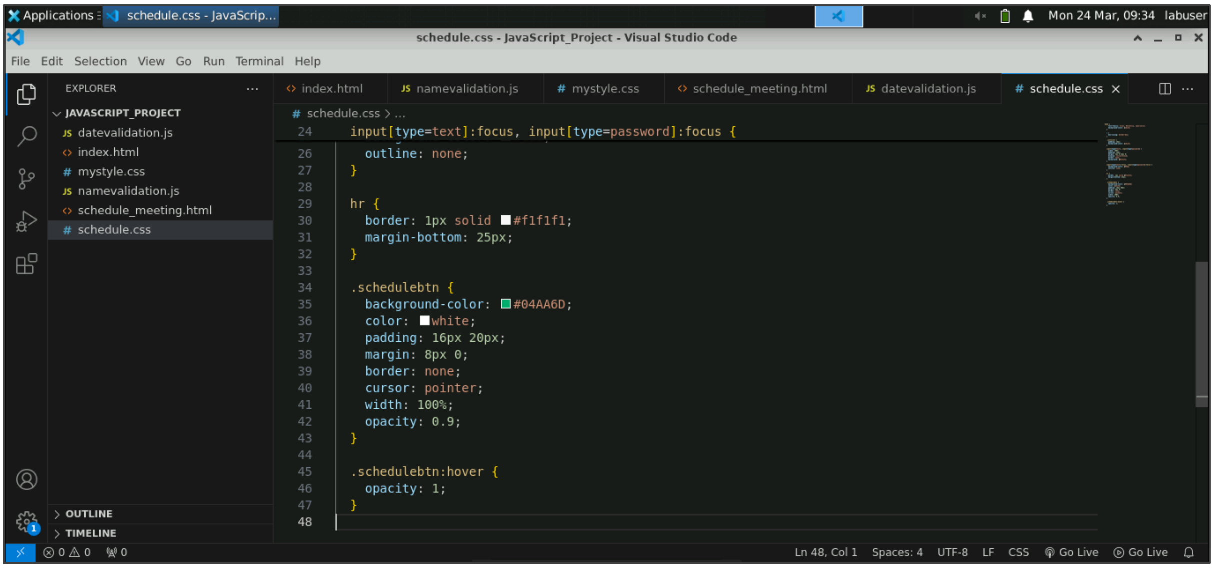
3.8 Enter the file name as **schedule.css** and press **Enter**


schedule.css - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
datevalidation.js
index.html
mystyle.css
namevalidation.js
schedule_meeting.html
schedule.css
OUTLINE
TIMELINE
Ln 1, Col 1 Spaces: 4 UTF-8 LF CSS Go Live

3.9 Enter the code below in the **schedule.css** file and save the file by clicking on **ctrl** + **s:**


schedule.css - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
datevalidation.js
index.html
mystyle.css
namevalidation.js
schedule_meeting.html
schedule.css
OUTLINE
TIMELINE
Ln 48, Col 1 Spaces: 4 UTF-8 LF CSS Go Live

```css
body {
    font-family: Arial, Helvetica, sans-serif;
    background-color: white;
  }

  * {
    box-sizing: border-box;
  }

  .container {
    padding: 16px;
    background-color: white;
  }

  input[type=text], input[type=password] {
    width: 100%;
    padding: 15px;
    margin: 5px 0 22px 0;
    display: inline-block;
    border: none;
    background: #f1f1f1;
  }

  input[type=text]:focus, input[type=password]:focus {
    background-color: #ddd;
```

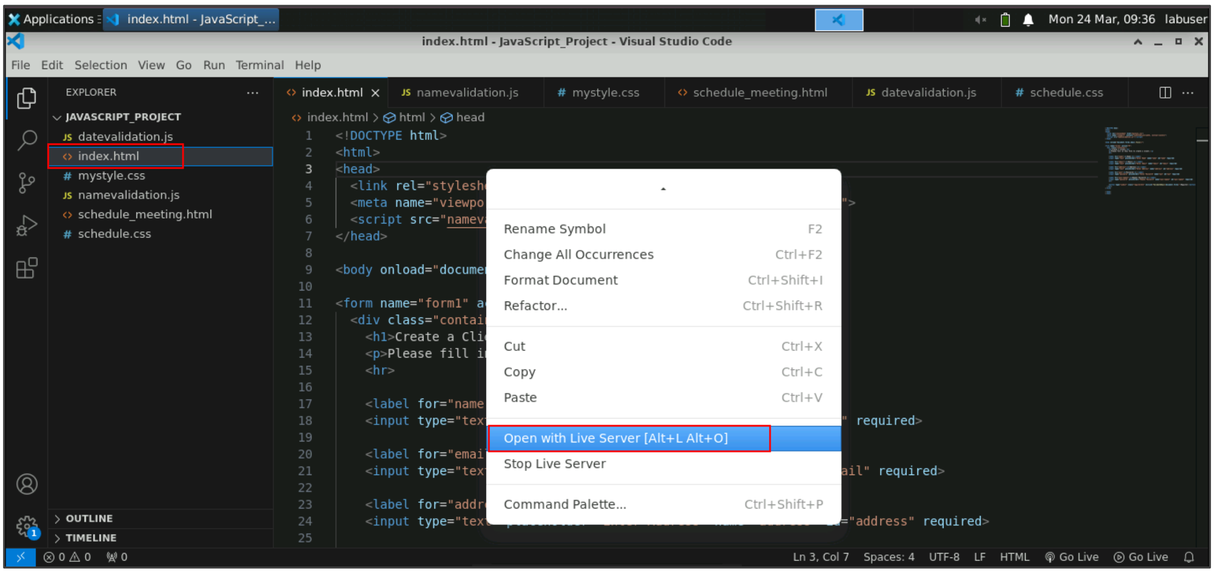


schedule.css - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
datevalidation.js
index.html
mystyle.css
namevalidation.js
schedule_meeting.html
schedule.css
OUTLINE
TIMELINE
Ln 48, Col 1 Spaces: 4 UTF-8 LF CSS Go Live

```
input[type=text]:focus, input[type=password]:focus {
  outline: none;
}

hr {
  border: 1px solid #f1f1f1;
  margin-bottom: 25px;
}

.schedulebtn {
  background-color: #04AA6D;
  color: white;
  padding: 16px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
  opacity: 0.9;
}

.schedulebtn:hover {
  opacity: 1;
}

```

Step 4: Run and test the project

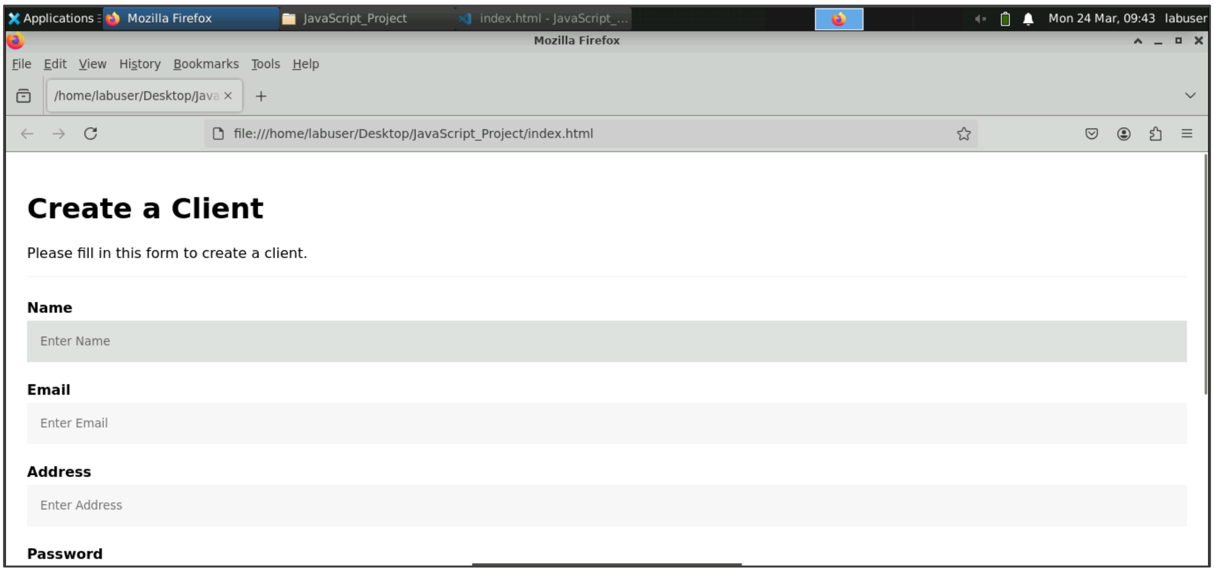
4.1 Navigate to the **index.html** file right click and select **Open with Live Server**



index.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
datevalidation.js
index.html
mystyle.css
namevalidation.js
schedule_meeting.html
schedule.css
Rename Symbol F2
Change All Occurrences Ctrl+F2
Format Document Ctrl+Shift+I
Refactor... Ctrl+Shift+R
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Open with Live Server [Alt+L Alt+O]
Stop Live Server
Command Palette... Ctrl+Shift+P
OUTLINE
TIMELINE
Ln 3, Col 7 Spaces: 4 UTF-8 LF HTML Go Live

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesh
  <meta name="viewpo                                              ">
  <script src="namev
</head>

<body onload="documen

<form name="form1" a
  <div class="contai
    <h1>Create a Cli
    <p>Please fill i
    <hr>

    <label for="name
    <input type="tex                                              " required>

    <label for="emai
    <input type="tex                                             ail" required>

    <label for="addr
    <input type="tex                                       ="address" required>

```

The webpage opens as shown below:



Applications
Mozilla Firefox
JavaScript_Project
index.html - JavaScript_...
Mon 24 Mar, 09:43 labuser
File Edit View History Bookmarks Tools Help
/home/labuser/Desktop/Java
file:///home/labuser/Desktop/JavaScript_Project/index.html

Create a Client

Please fill in this form to create a client.

Name

Enter Name

Email

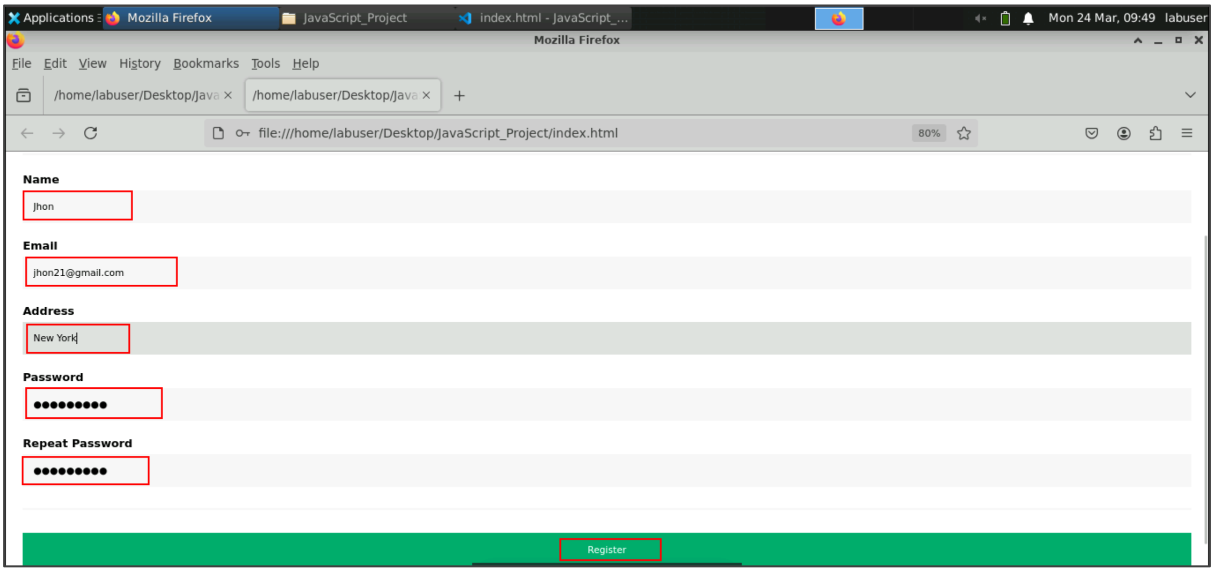
Enter Email

Address

Enter Address

Password

4.2 Enter the required details and click on **Register**



Applications
Mozilla Firefox
JavaScript_Project
index.html - JavaScript_...
Mon 24 Mar, 09:49 labuser
File Edit View History Bookmarks Tools Help
/home/labuser/Desktop/Java
/home/labuser/Desktop/Java
file:///home/labuser/Desktop/JavaScript_Project/index.html
80%

Name

Jhon

Email

jhon21@gmail.com

Address

New York

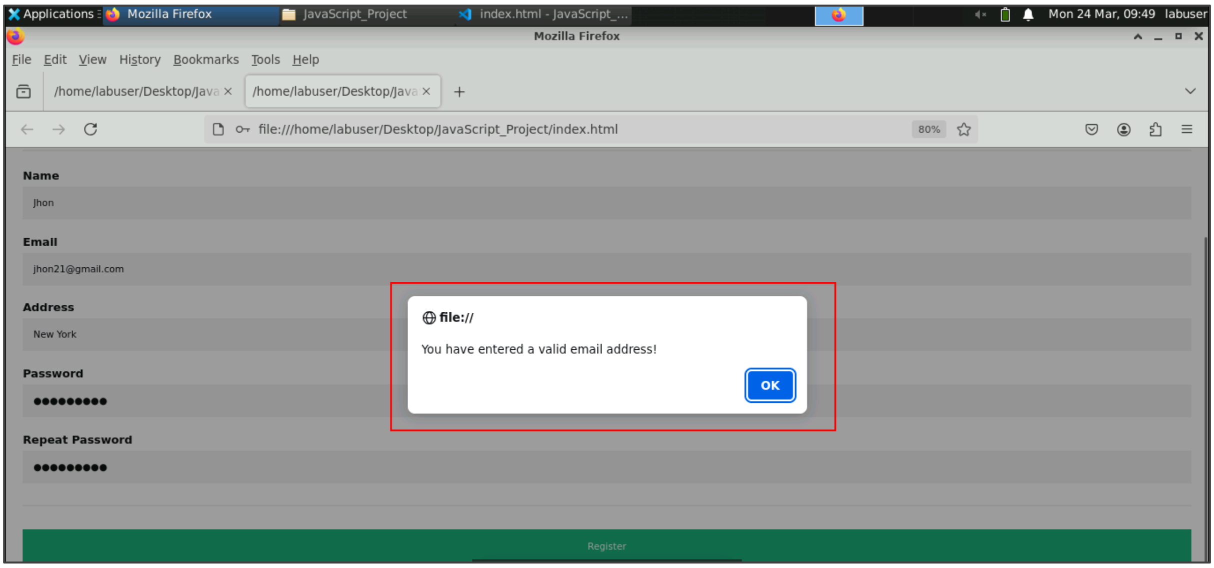
Password

●●●●●●●●●

Repeat Password

●●●●●●●●●

The test is successful as shown below:


Applications
Mozilla Firefox
JavaScript_Project
index.html - JavaScript_...
Mon 24 Mar, 09:49 labuser
Mozilla Firefox
File Edit View History Bookmarks Tools Help
/home/labuser/Desktop/Java
/home/labuser/Desktop/Java
file:///home/labuser/Desktop/JavaScript_Project/index.html
80%

Name

Jhon

Email

jhon21@gmail.com

Address

New York

Password

●●●●●●●●●

Repeat Password

●●●●●●●●●

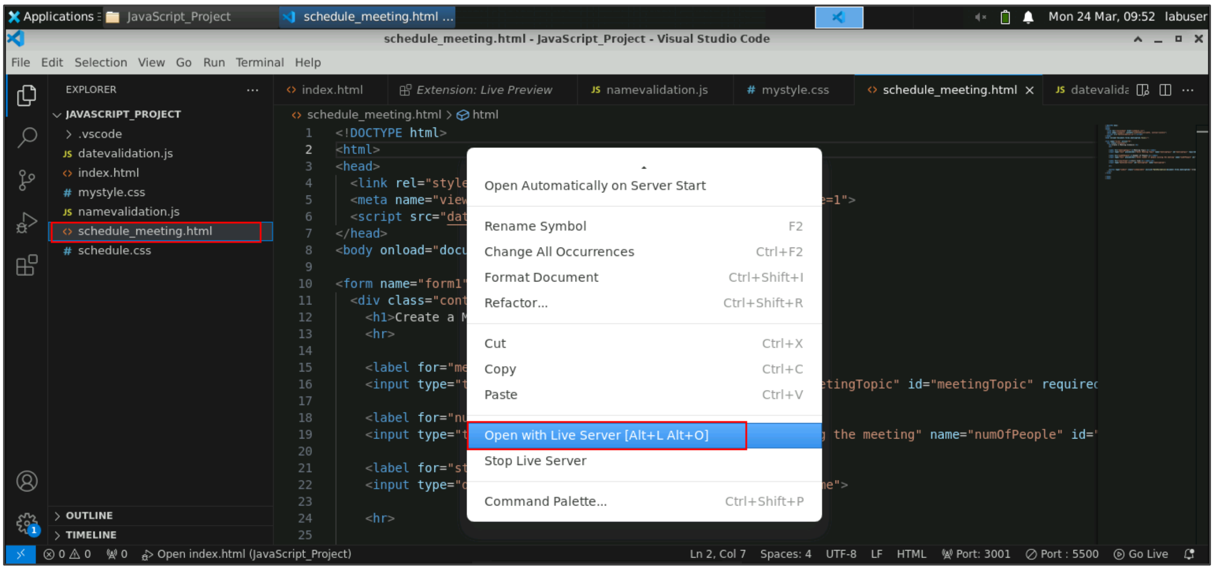
Register

file://

You have entered a valid email address!

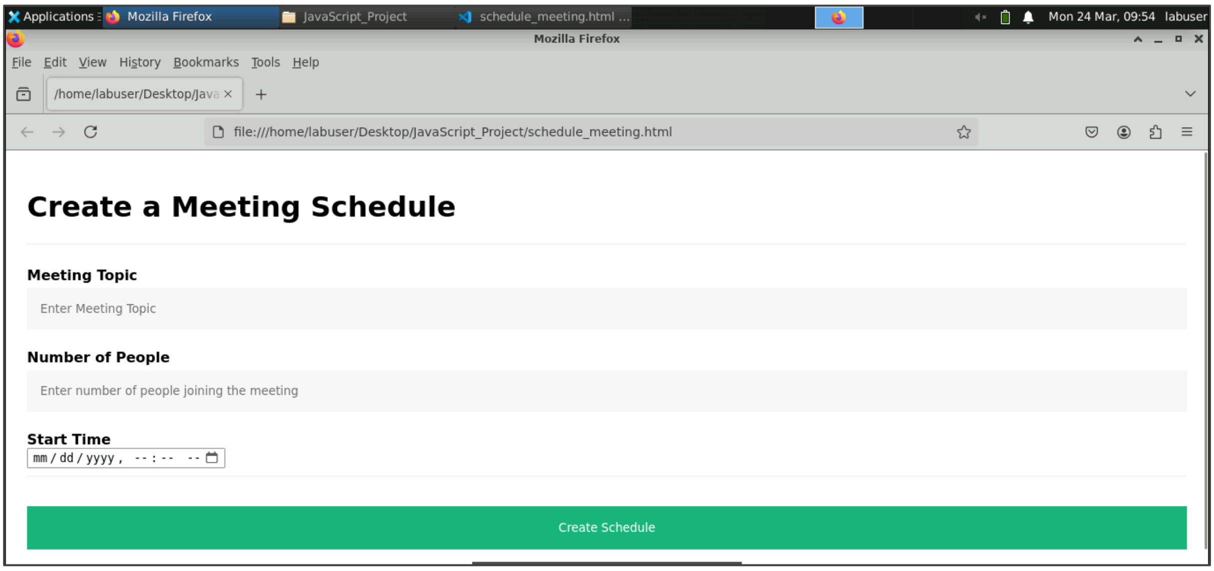
OK

4.3 Navigate to VS Code, right-click on the **schedule_meeting.html** file, and select **Open with Live Server**


Applications
JavaScript_Project
schedule_meeting.html ...
Mon 24 Mar, 09:52 labuser
schedule_meeting.html - JavaScript_Project - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
JAVASCRIPT_PROJECT
.vscode
datevalidation.js
index.html
mystyle.css
namevalidation.js
schedule_meeting.html
schedule.css
index.html
Extension: Live Preview
namevalidation.js
mystyle.css
schedule_meeting.html
datevalida
schedule_meeting.html > html
Open Automatically on Server Start
Rename Symbol F2
Change All Occurrences Ctrl+F2
Format Document Ctrl+Shift+I
Refactor... Ctrl+Shift+R
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Open with Live Server [Alt+L Alt+O]
Stop Live Server
Command Palette... Ctrl+Shift+P
OUTLINE
TIMELINE
0 0 0
Open index.html (JavaScript_Project)
Ln 2, Col 7 Spaces: 4 UTF-8 LF HTML Port: 3001 Port : 5500 Go Live

```
<!DOCTYPE html>
<html>
<head>
    <link rel="style
    <meta name="view                                  ="1">
    <script src="dat
</head>
<body onload="docu

<form name="form1"
    <div class="cont
        <h1>Create a M
        <hr>

        <label for="me
        <input type="t                                 etingTopic" id="meetingTopic" requirec

        <label for="nu
        <input type="t                                 the meeting" name="numOfPeople" id='

        <label for="st
        <input type="c                                 ne">

        <hr>
```

The web page opens as shown below:


Applications
Mozilla Firefox
JavaScript_Project
schedule_meeting.html ...
Mon 24 Mar, 09:54 labuser
File Edit View History Bookmarks Tools Help
/home/labuser/Desktop/Java
file:///home/labuser/Desktop/JavaScript_Project/schedule_meeting.html

Create a Meeting Schedule

Meeting Topic

Enter Meeting Topic

Number of People

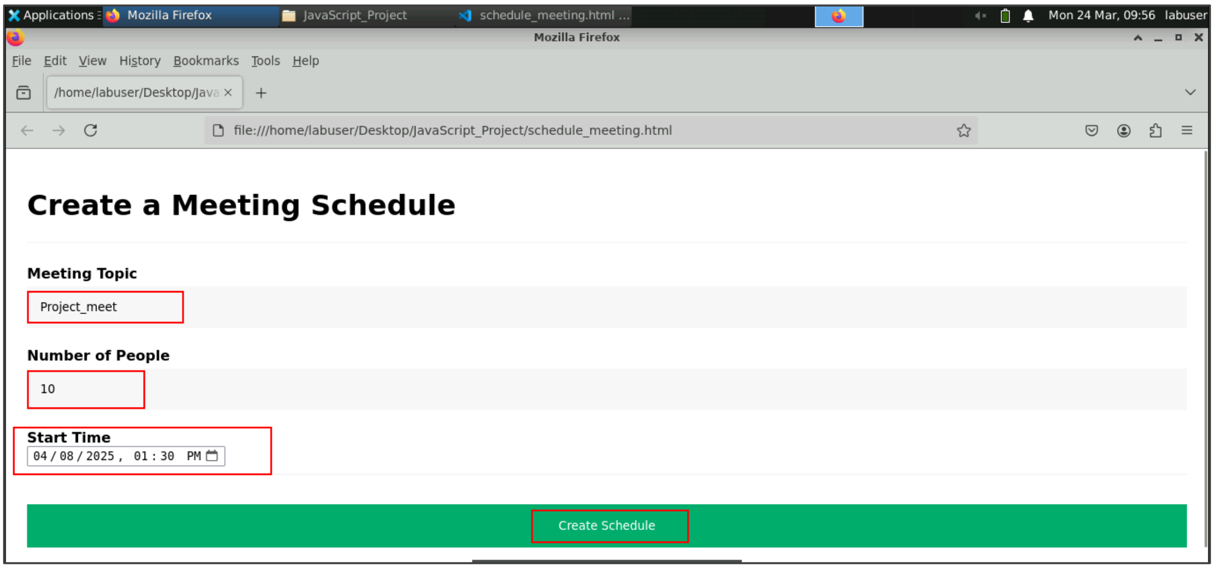
Enter number of people joining the meeting

Start Time

mm / dd / yyyy , -- : -- --

Create Schedule

4.4 Enter the required details and click on **Create Schedule**


Applications
Mozilla Firefox
JavaScript_Project
schedule_meeting.html ...
Mon 24 Mar, 09:56 labuser
File Edit View History Bookmarks Tools Help
/home/labuser/Desktop/Java
file:///home/labuser/Desktop/JavaScript_Project/schedule_meeting.html

Create a Meeting Schedule

Meeting Topic

Project_meet

Number of People

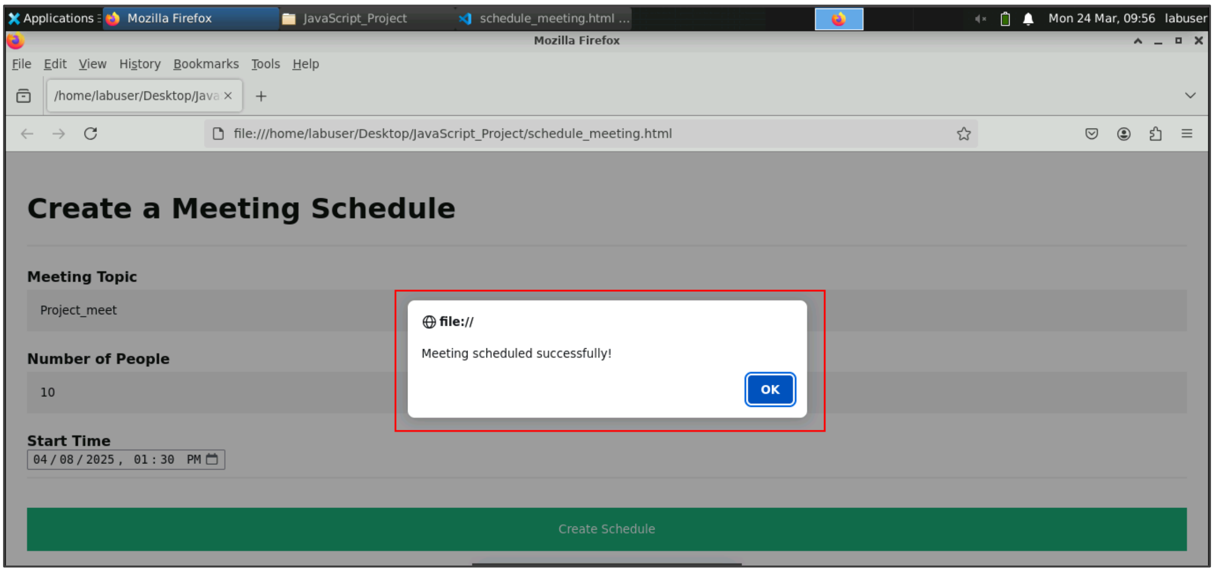
10

Start Time

04 / 08 / 2025 , 01 : 30 PM

Create Schedule

The test for the meeting schedule is successful as shown below:


Applications
Mozilla Firefox
JavaScript_Project
schedule_meeting.html ...
Mon 24 Mar, 09:56 labuser
Mozilla Firefox
File Edit View History Bookmarks Tools Help
/home/labuser/Desktop/Java
file:///home/labuser/Desktop/JavaScript_Project/schedule_meeting.html

Create a Meeting Schedule

Meeting Topic: Project_meet

Number of People: 10

Start Time: 04 / 08 / 2025 , 01 : 30 PM

file://

Meeting scheduled successfully!

By following the above steps, you have successfully implemented JavaScript validation to ensure the correctness of user inputs on both the client creation and meeting schedule web pages. Through this process, you have dynamically managed the behavior of web pages by separating validation logic into external JavaScript files, thereby enhancing user interaction and data accuracy within the project.