ETHNUS

MERN STACK

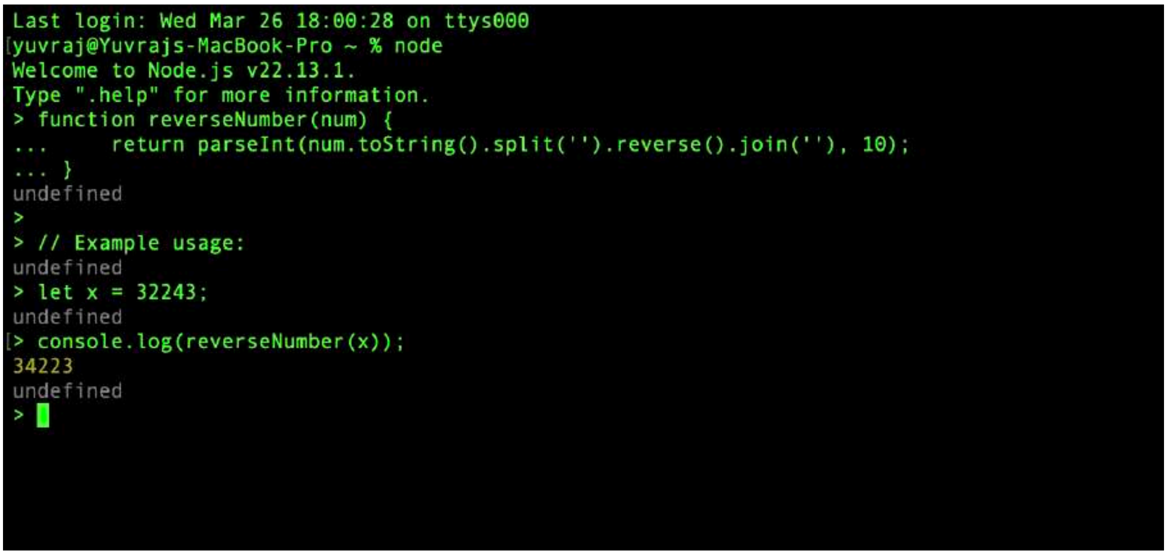
JavaScript Assignment

Yuvraj Singh
22BEY10079
yuvrajsingh2002@gmail.com

TASK - 1

Write a JavaScript function that reverse a number.

Sample Data and output:
Example x = 32243;
Expected Output : 34223



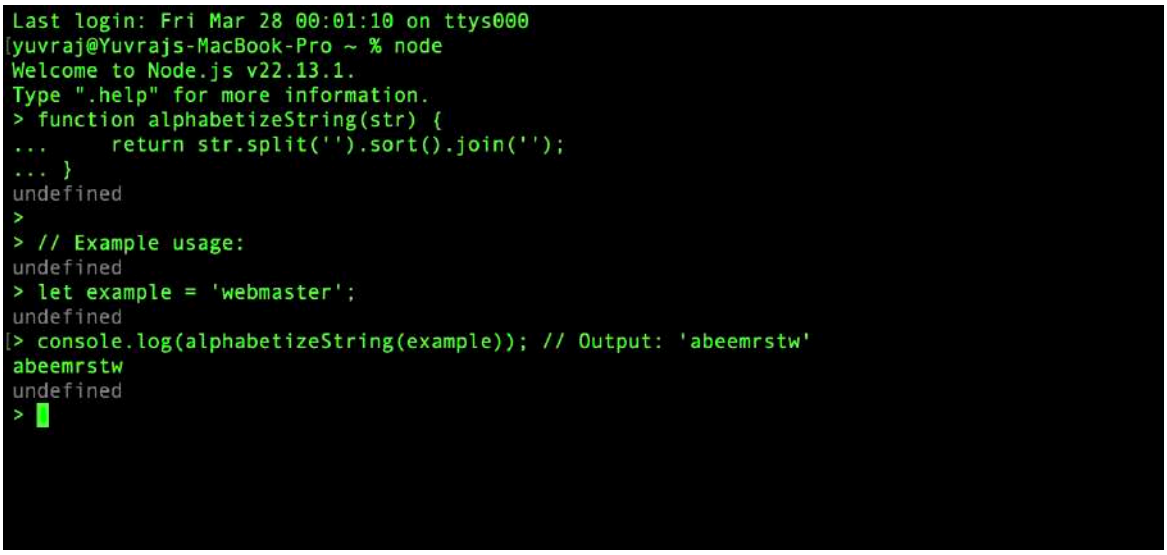
```
Last login: Wed Mar 26 18:00:28 on ttys000
[yuvraj@Yuvrajs-MacBook-Pro ~ % node
Welcome to Node.js v22.13.1.
Type ".help" for more information.
> function reverseNumber(num) {
...     return parseInt(num.toString().split('').reverse().join(''), 10);
... }
undefined
>
> // Example usage:
undefined
> let x = 32243;
undefined
[> console.log(reverseNumber(x));
34223
undefined
> 
```

Code run in Terminal

TASK - 2

• Write a JavaScript function that returns a passed string with letters in alphabetical order.

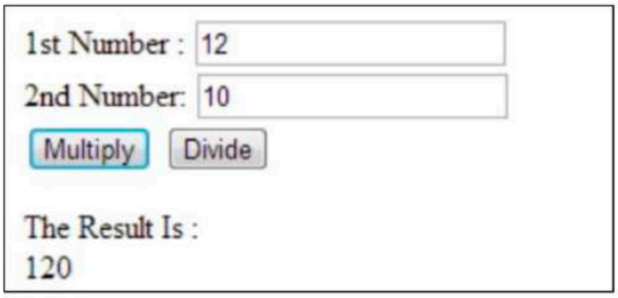
Example string : 'webmaster’
Expected Output : ‘abeemrstw’



```
Last login: Fri Mar 28 00:01:10 on ttys000
[yuvraj@Yuvrajs-MacBook-Pro ~ % node
Welcome to Node.js v22.13.1.
Type ".help" for more information.
> function alphabetizeString(str) {
...     return str.split('').sort().join('');
... }
undefined
>
> // Example usage:
undefined
> let example = 'webmaster';
undefined
[> console.log(alphabetizeString(example)); // Output: 'abeemrstw'
abeemrstw
undefined
> 
```

TASK - 3

- Write a JavaScript program to calculate multiplication and division of two numbers (input from user).
- Sample Form:

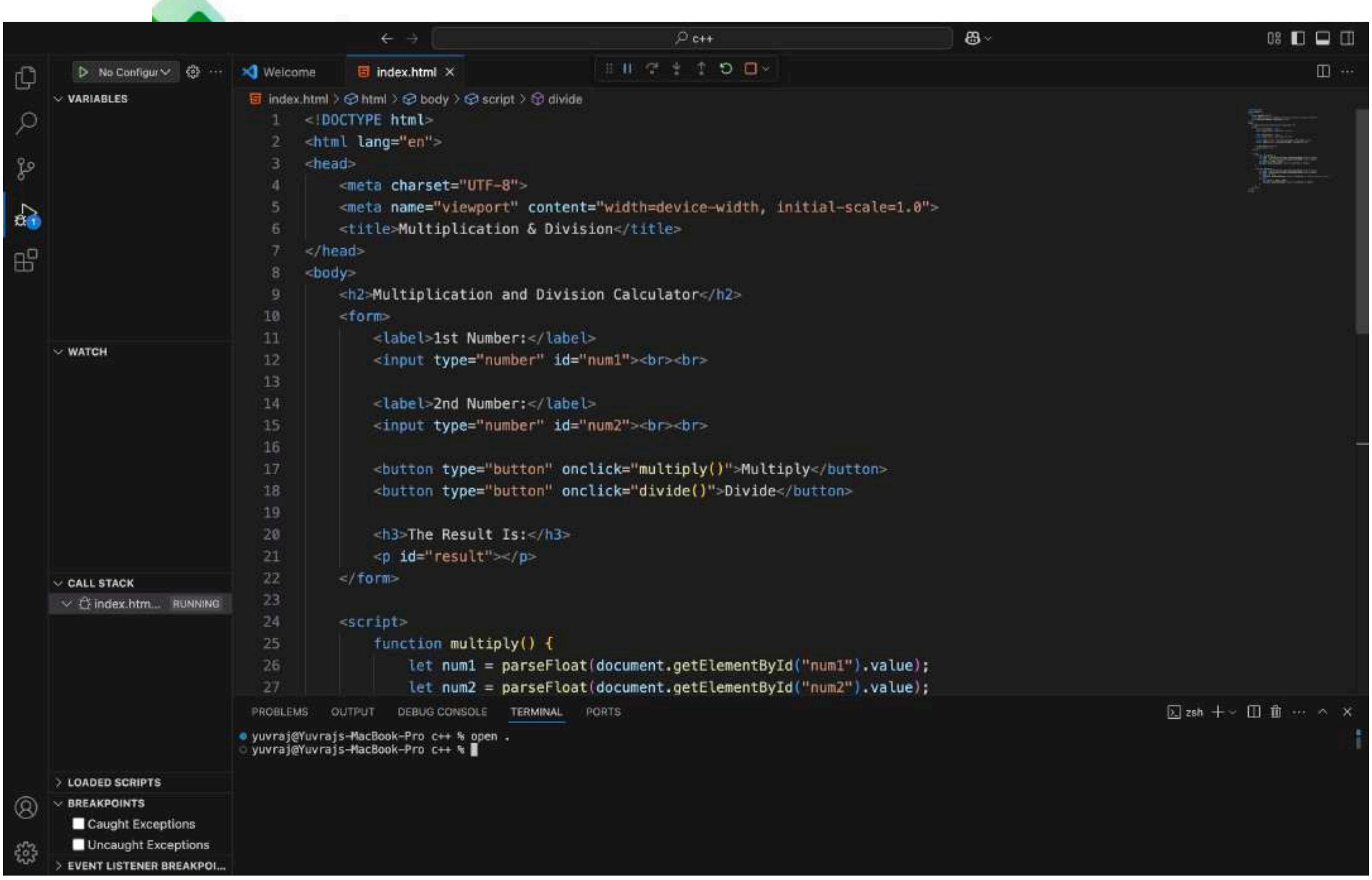


1st Number : 12

2nd Number: 10

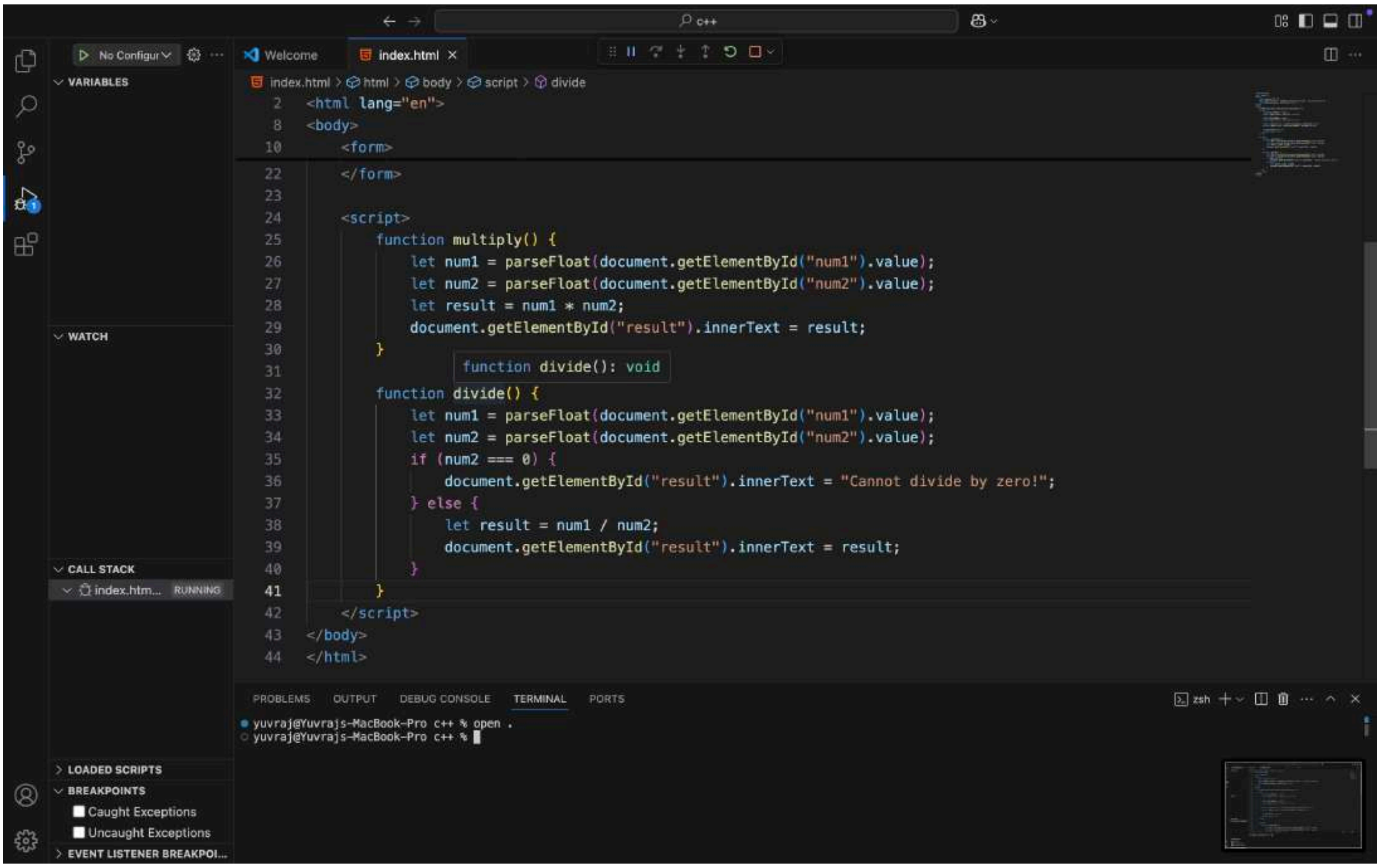
The Result Is :

120



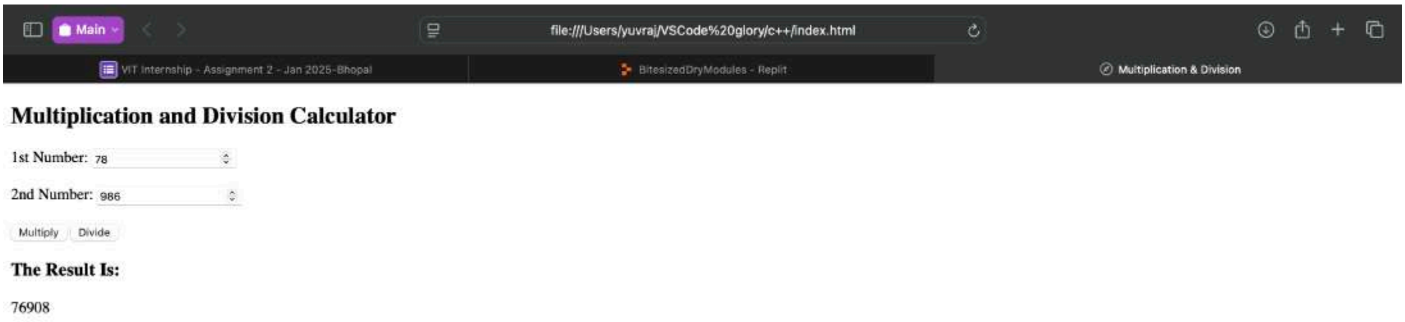
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Multiplication & Division</title>
</head>
<body>
    <h2>Multiplication and Division Calculator</h2>
    <form>
        <label>1st Number:</label>
        <input type="number" id="num1"><br><br>

        <label>2nd Number:</label>
        <input type="number" id="num2"><br><br>

        <button type="button" onclick="multiply()">Multiply</button>
        <button type="button" onclick="divide()">Divide</button>

        <h3>The Result Is:</h3>
        <p id="result"></p>
    </form>

    <script>
        function multiply() {
            let num1 = parseFloat(document.getElementById("num1").value);
            let num2 = parseFloat(document.getElementById("num2").value);
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```



```html
<html lang="en">
<body>
    <form>
    </form>

    <script>
        function multiply() {
            let num1 = parseFloat(document.getElementById("num1").value);
            let num2 = parseFloat(document.getElementById("num2").value);
            let result = num1 * num2;
            document.getElementById("result").innerText = result;
        }

        function divide() {
            let num1 = parseFloat(document.getElementById("num1").value);
            let num2 = parseFloat(document.getElementById("num2").value);
            if (num2 === 0) {
                document.getElementById("result").innerText = "Cannot divide by zero!";
            } else {
                let result = num1 / num2;
                document.getElementById("result").innerText = result;
            }
        }
    </script>
</body>
</html>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```


Main
file:///Users/yuvraj/VSCode%20glory/c++/index.html
VIT Internship - Assignment 2 - Jan 2025-Bhopal
BitesizedDryModules - Replit
Multiplication & Division

Multiplication and Division Calculator

1st Number: 78

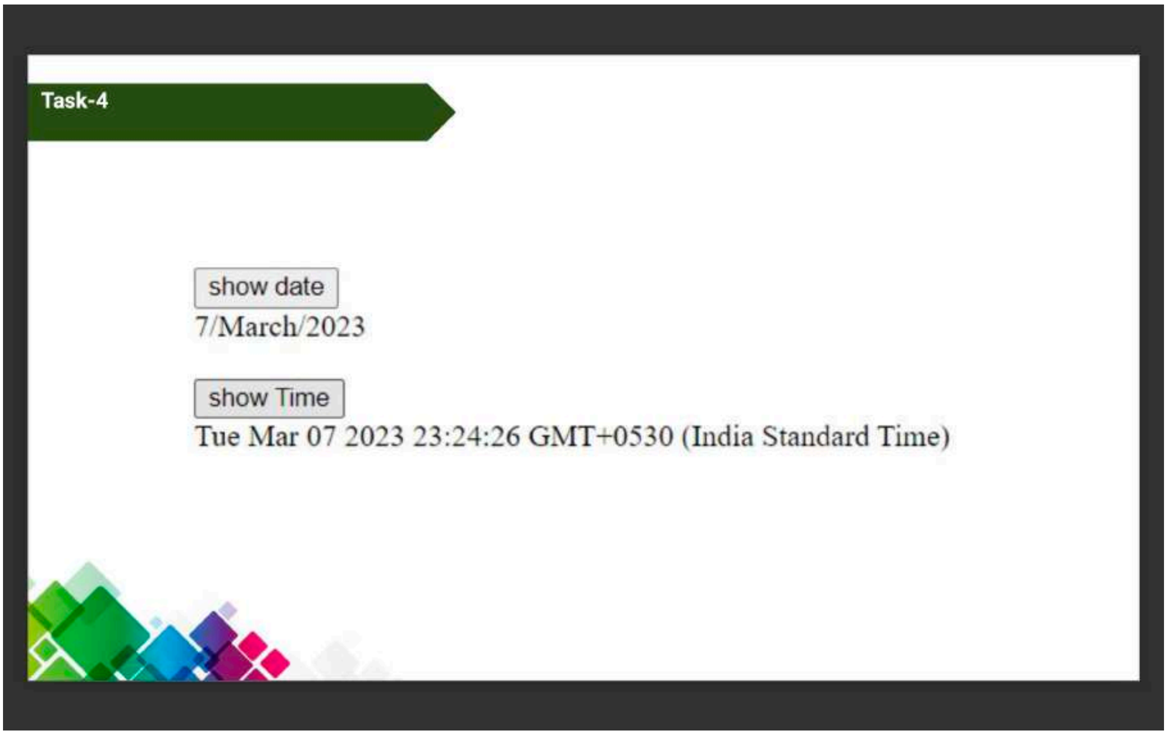
2nd Number: 986

Multiply | Divide

The Result Is:

76908

TASK - 4



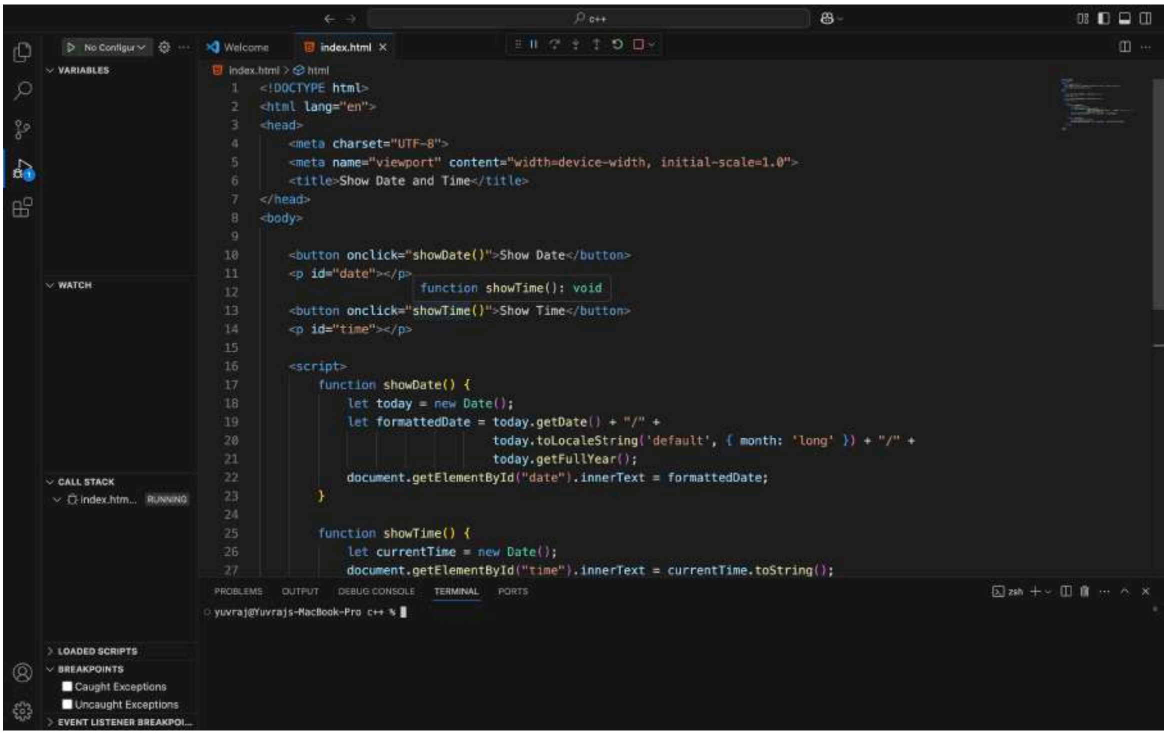
Task-4

show date

7/March/2023

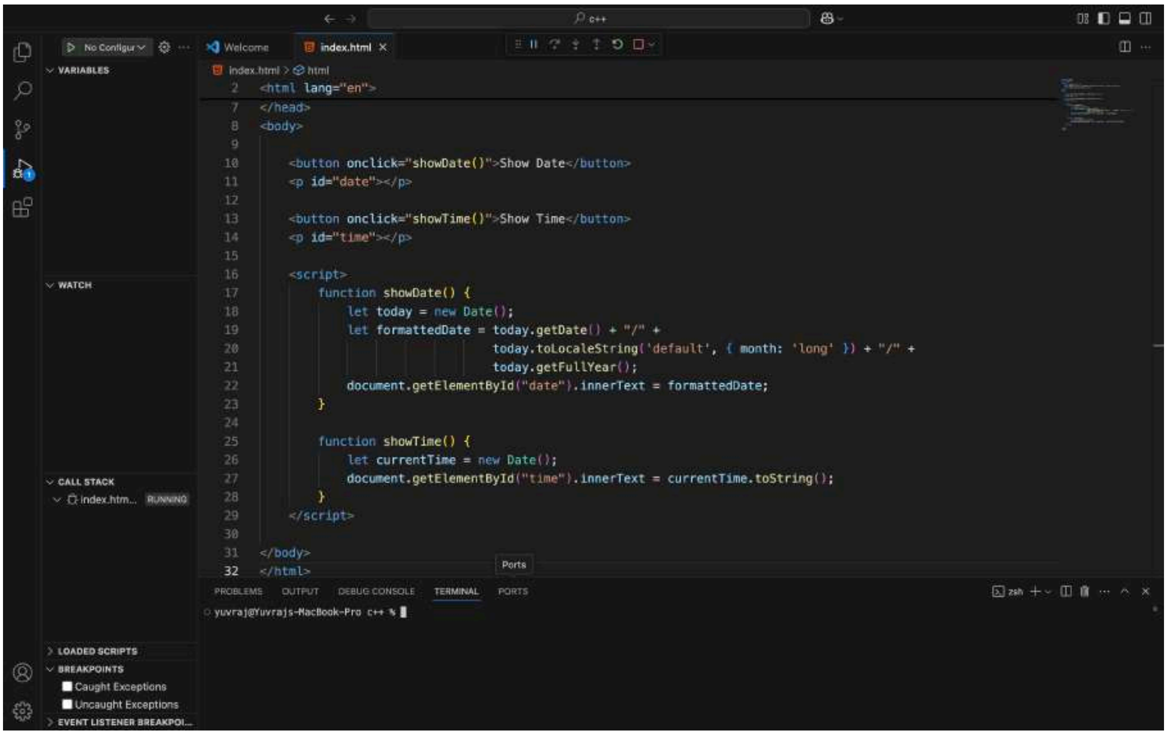
show Time

Tue Mar 07 2023 23:24:26 GMT+0530 (India Standard Time)



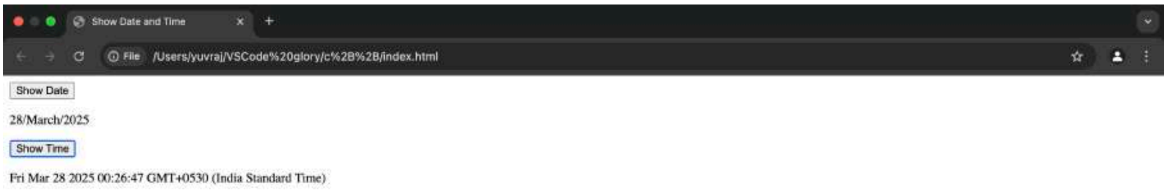
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Show Date and Time</title>
</head>
<body>

    <button onclick="showDate()">Show Date</button>
    <p id="date"></p>

    <button onclick="showTime()">Show Time</button>
    <p id="time"></p>

    <script>
        function showDate() {
            let today = new Date();
            let formattedDate = today.getDate() + "/" +
                                today.toLocaleString('default', { month: 'long' }) + "/" +
                                today.getFullYear();
            document.getElementById("date").innerText = formattedDate;
        }

        function showTime() {
            let currentTime = new Date();
            document.getElementById("time").innerText = currentTime.toString();
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



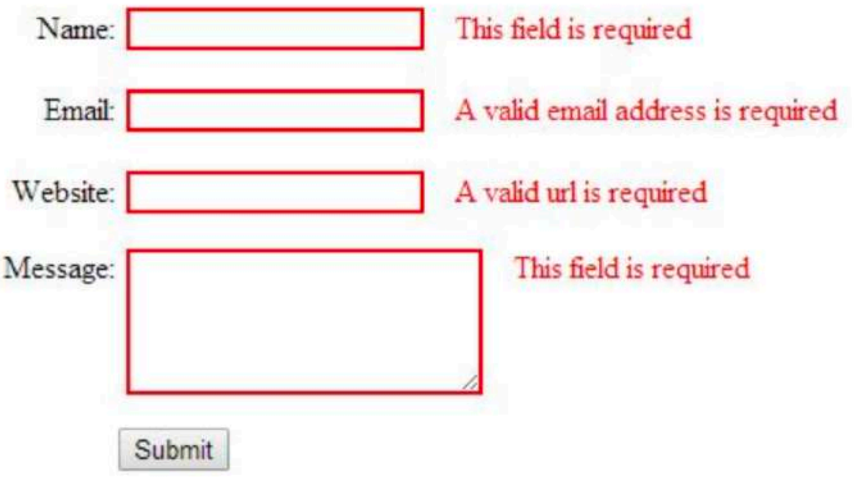
```
<html lang="en">
</head>
<body>

    <button onclick="showDate()">Show Date</button>
    <p id="date"></p>

    <button onclick="showTime()">Show Time</button>
    <p id="time"></p>

    <script>
        function showDate() {
            let today = new Date();
            let formattedDate = today.getDate() + "/" +
                                today.toLocaleString('default', { month: 'long' }) + "/" +
                                today.getFullYear();
            document.getElementById("date").innerText = formattedDate;
        }

        function showTime() {
            let currentTime = new Date();
            document.getElementById("time").innerText = currentTime.toString();
        }
    </script>

</body>
</html>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



```
28/March/2025
Fri Mar 28 2025 00:26:47 GMT+0530 (India Standard Time)
```

TASK - 5

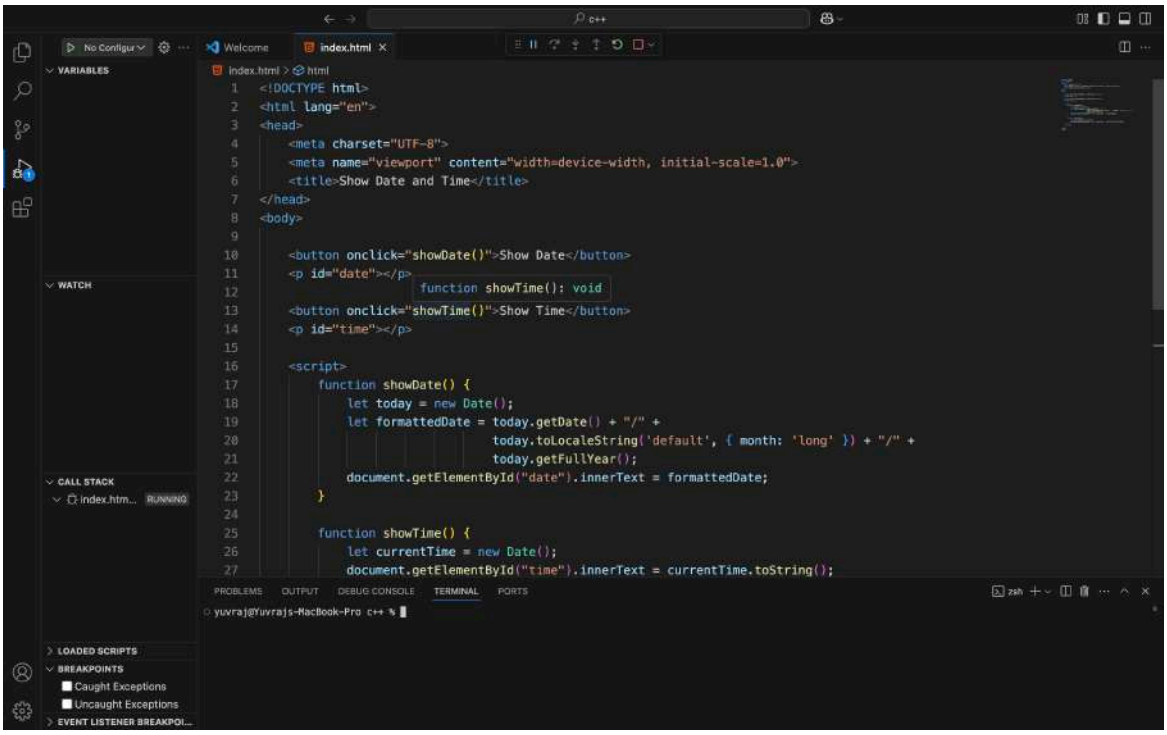


Name: This field is required

Email: A valid email address is required

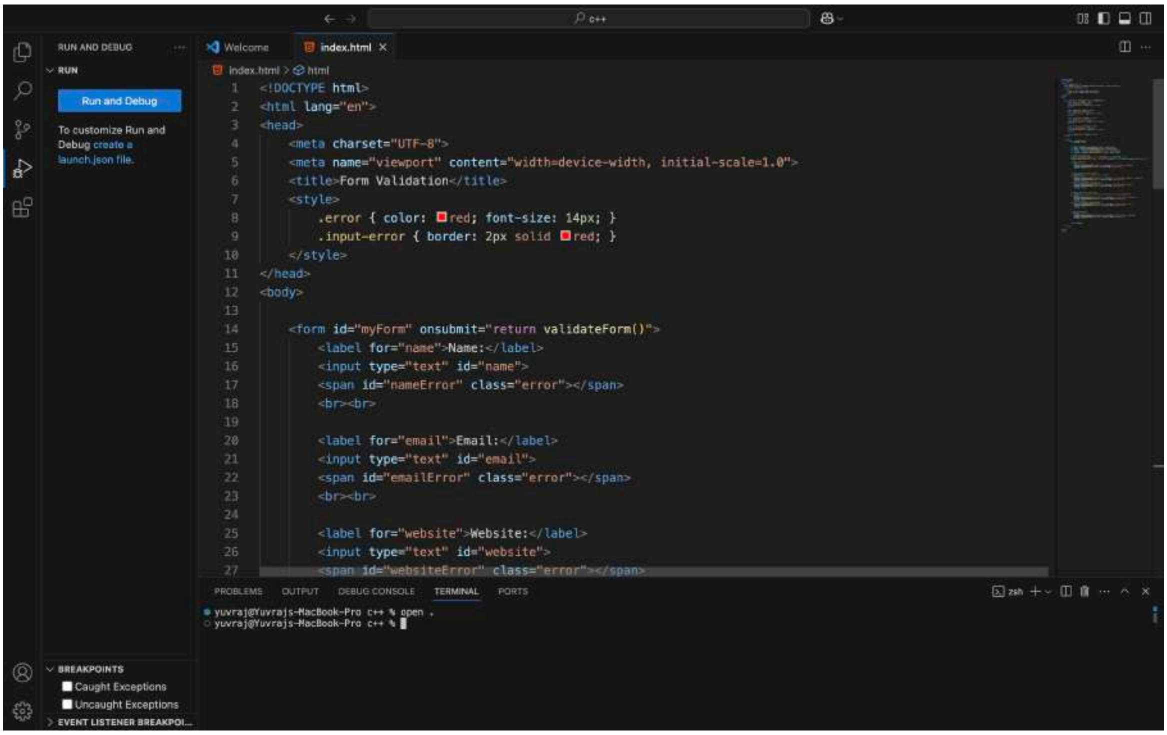
Website: A valid url is required

Message: This field is required



```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Show Date and Time</title>
</head>
<body>

    <button onclick="showDate()">Show Date</button>
    <p id="date"></p>

    <button onclick="showTime()">Show Time</button>
    <p id="time"></p>

    <script>
        function showDate() {
            let today = new Date();
            let formattedDate = today.getDate() + "/" +
                                today.toLocaleString('default', { month: 'long' }) + "/" +
                                today.getFullYear();
            document.getElementById("date").innerText = formattedDate;
        }

        function showTime() {
            let currentTime = new Date();
            document.getElementById("time").innerText = currentTime.toString();
```

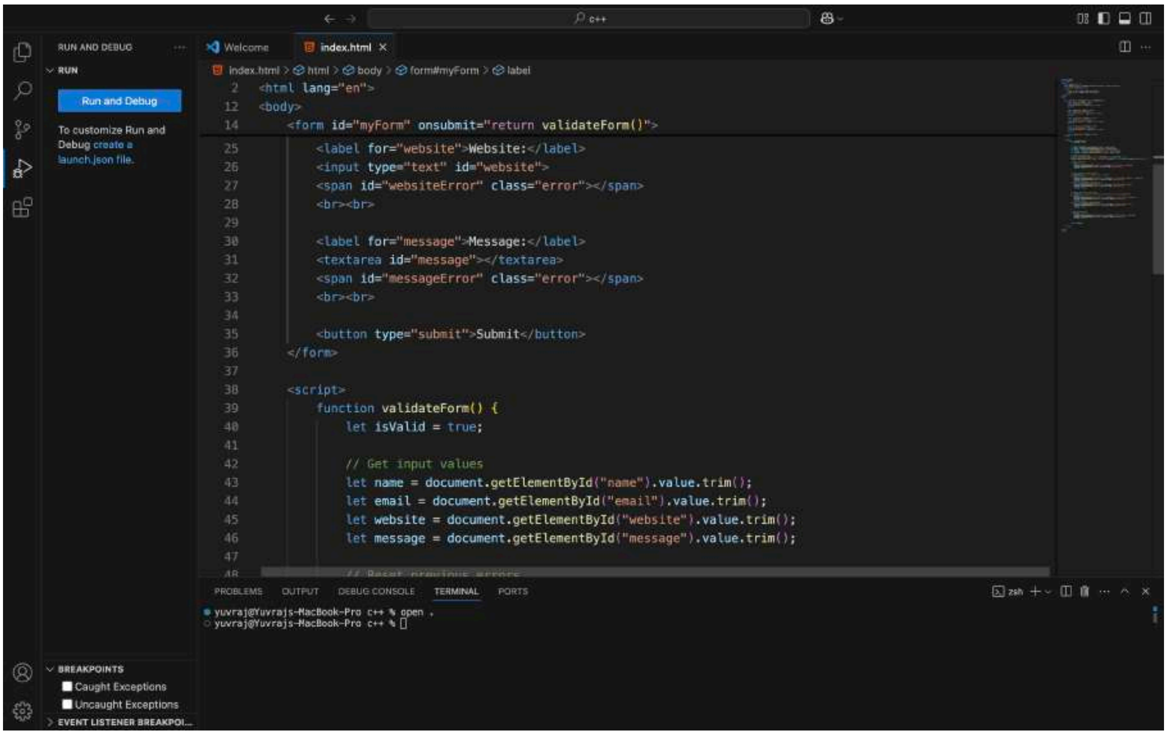
```
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



To customize Run and Debug create a launch.json file.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form Validation</title>
    <style>
        .error { color: red; font-size: 14px; }
        .input-error { border: 2px solid red; }
    </style>
</head>
<body>

    <form id="myForm" onsubmit="return validateForm()">
        <label for="name">Name:</label>
        <input type="text" id="name">
        <span id="nameError" class="error"></span>
        <br><br>

        <label for="email">Email:</label>
        <input type="text" id="email">
        <span id="emailError" class="error"></span>
        <br><br>

        <label for="website">Website:</label>
        <input type="text" id="website">
        <span id="websiteError" class="error"></span>
```

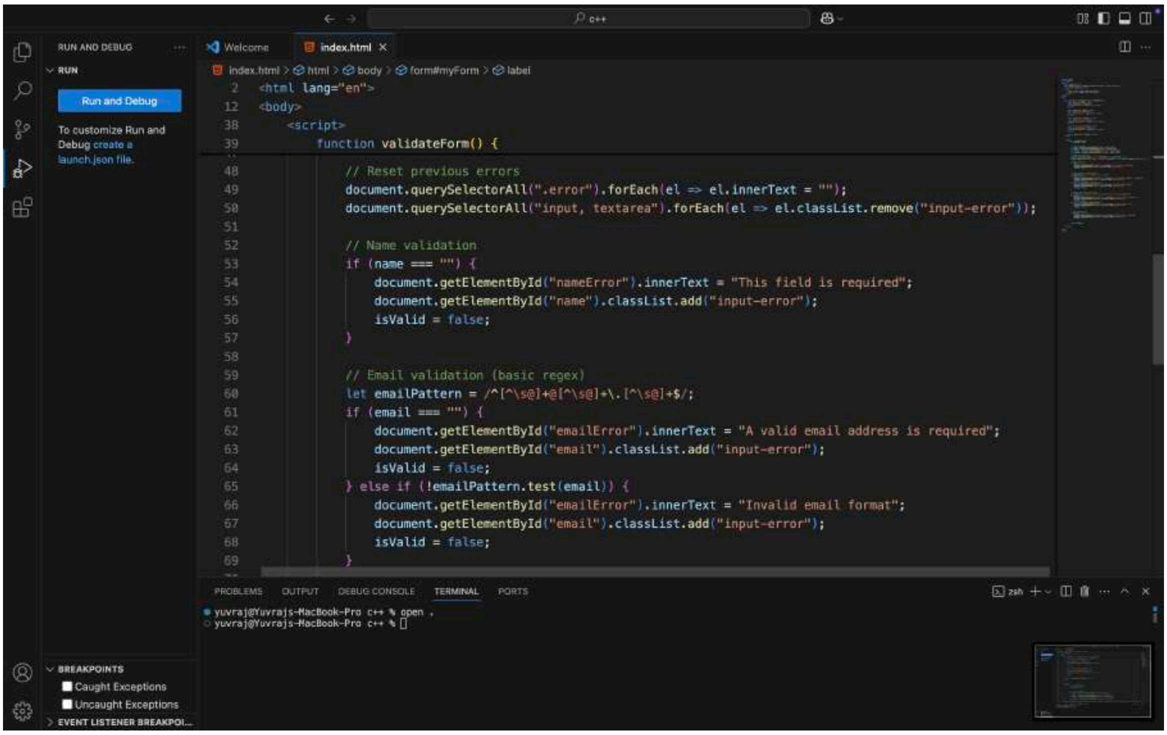
```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



To customize Run and Debug create a launch.json file.

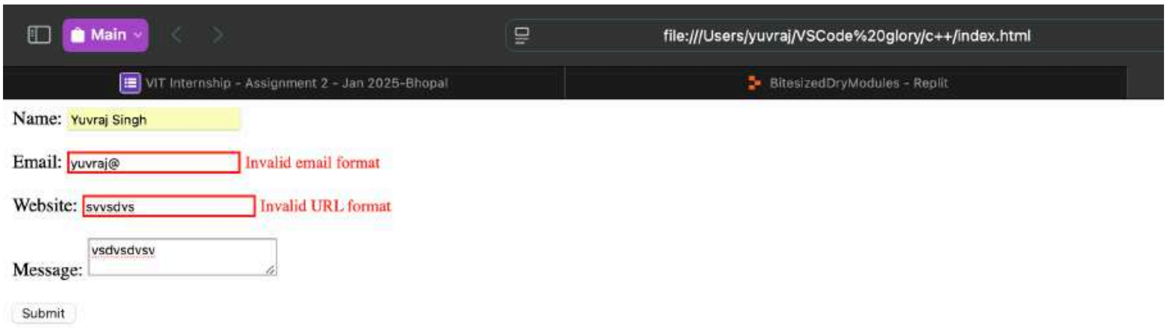
```
<html lang="en">
<body>
    <form id="myForm" onsubmit="return validateForm()">
        <label for="website">Website:</label>
        <input type="text" id="website">
        <span id="websiteError" class="error"></span>
        <br><br>

        <label for="message">Message:</label>
        <textarea id="message"></textarea>
        <span id="messageError" class="error"></span>
        <br><br>

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

    <script>
        function validateForm() {
            let isValid = true;

            // Get input values
            let name = document.getElementById("name").value.trim();
            let email = document.getElementById("email").value.trim();
            let website = document.getElementById("website").value.trim();
            let message = document.getElementById("message").value.trim();

            // Reset previous errors
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



```
<html lang="en">
<body>
    <script>
        function validateForm() {
            // Reset previous errors
            document.querySelectorAll(".error").forEach(el => el.innerText = "");
            document.querySelectorAll("input, textarea").forEach(el => el.classList.remove("input-error"));

            // Name validation
            if (name === "") {
                document.getElementById("nameError").innerText = "This field is required";
                document.getElementById("name").classList.add("input-error");
                isValid = false;
            }

            // Email validation (basic regex)
            let emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
            if (email === "") {
                document.getElementById("emailError").innerText = "A valid email address is required";
                document.getElementById("email").classList.add("input-error");
                isValid = false;
            } else if (!emailPattern.test(email)) {
                document.getElementById("emailError").innerText = "Invalid email format";
                document.getElementById("email").classList.add("input-error");
                isValid = false;
            }
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```



Main
file:///Users/yuvraj/VSCode%20glory/c++/index.html
VIT Internship - Assignment 2 - Jan 2025-Bhopal
BitesizedDryModules - Replit

Name: Yuvraj Singh

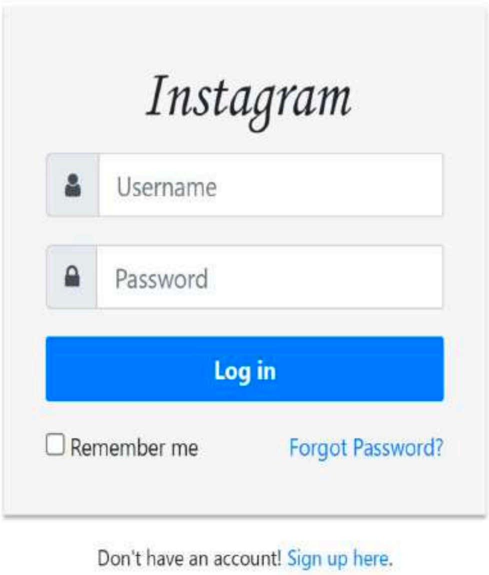
Email: yuvraj@ Invalid email format

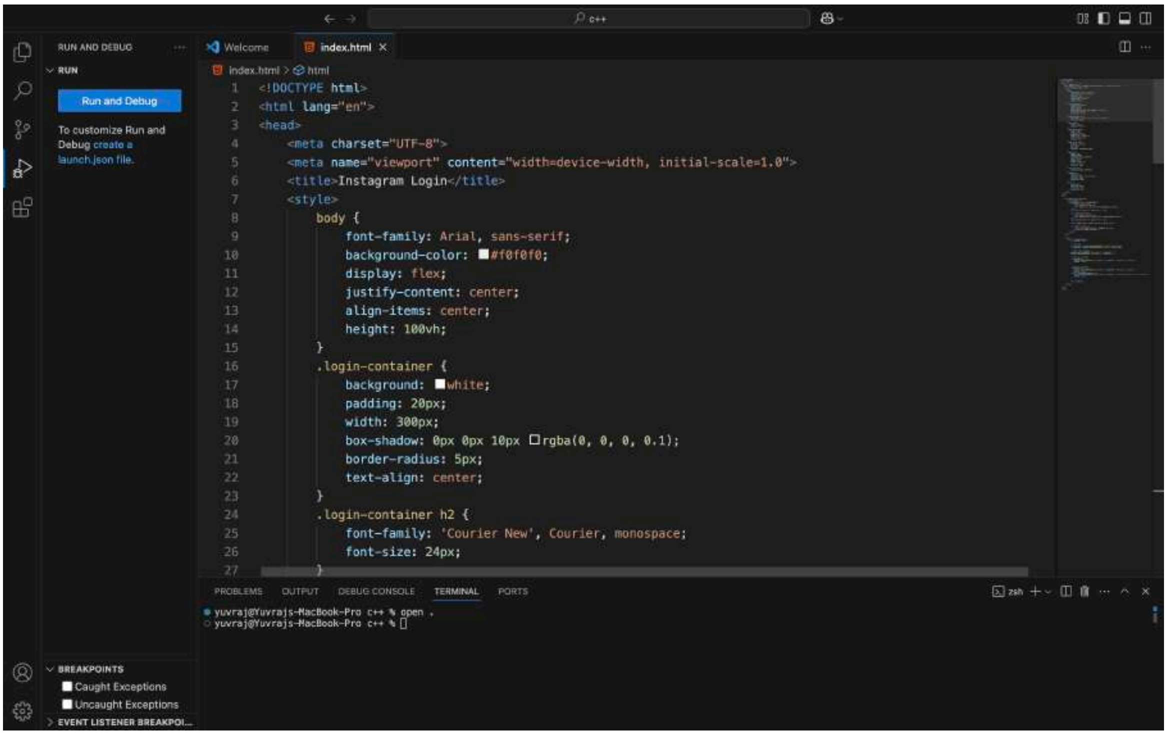
Website: svvsdvs Invalid URL format

Message: vsdvsdvsv

Submit

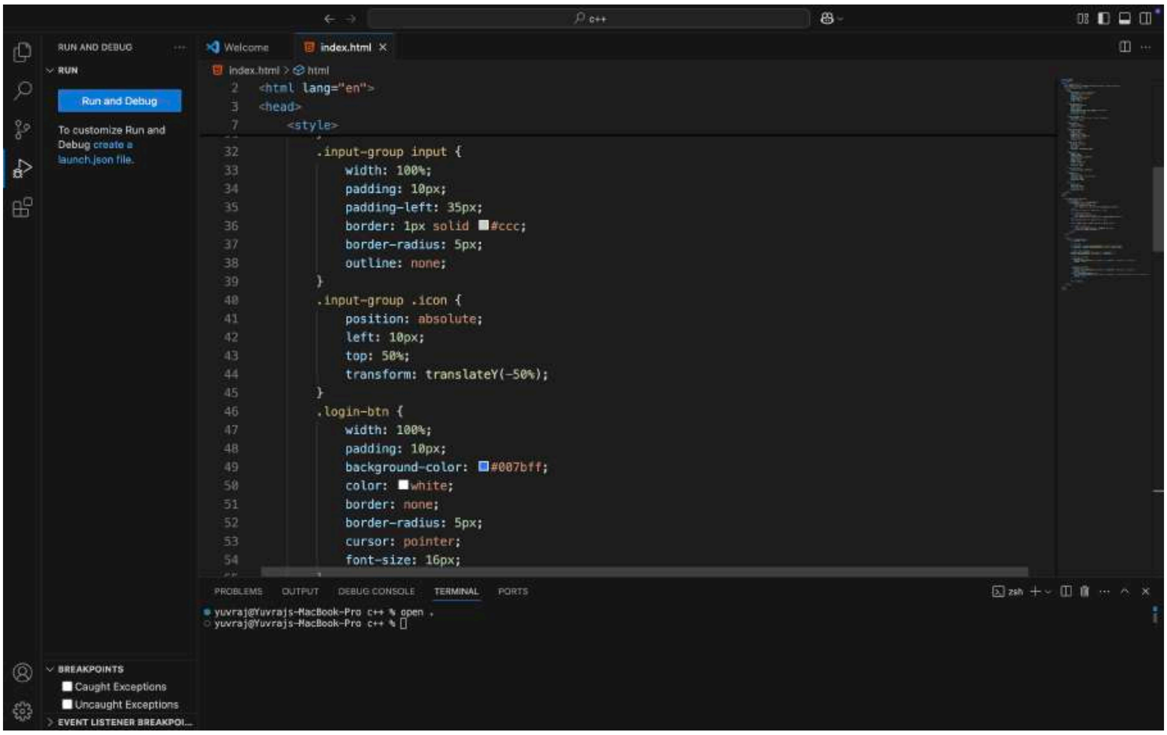
TASK - 6





```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Instagram Login</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f0f0f0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
        }
        .login-container {
            background: white;
            padding: 20px;
            width: 300px;
            box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
            border-radius: 5px;
            text-align: center;
        }
        .login-container h2 {
            font-family: 'Courier New', Courier, monospace;
            font-size: 24px;
        }
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```

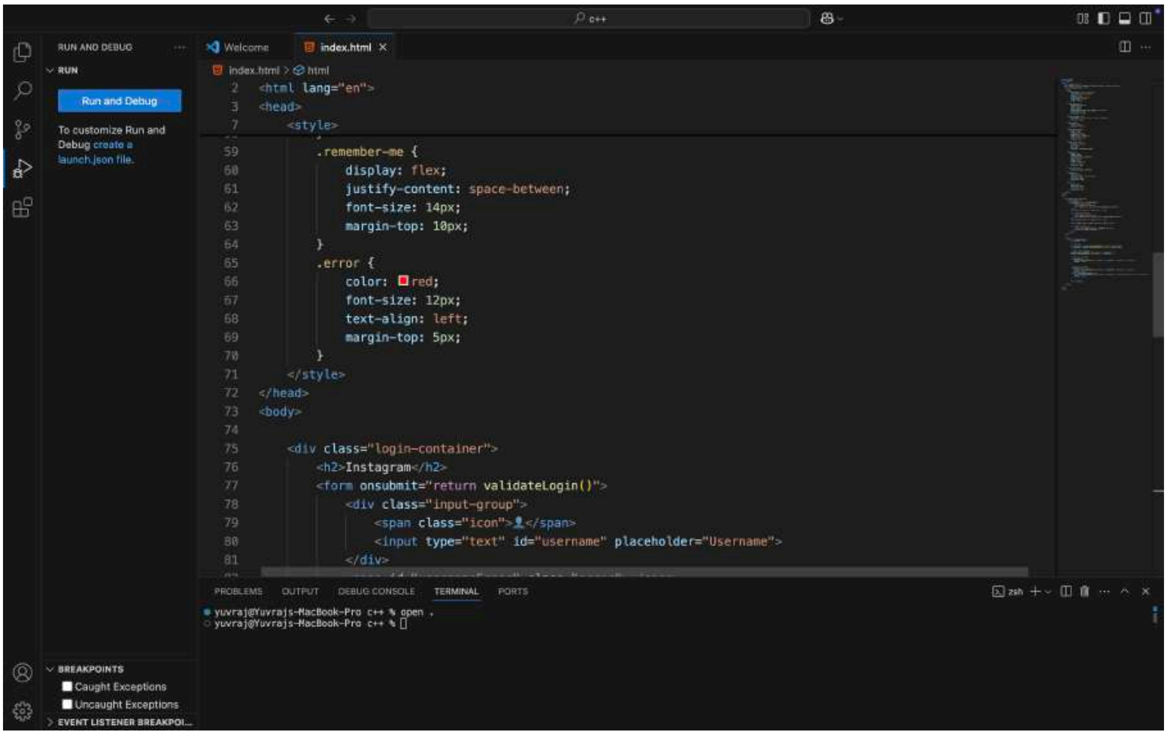


To customize Run and Debug create a launch.json file.

□ Caught Exceptions
□ Uncaught Exceptions

```
<html lang="en">
<head>
    <style>
        .input-group input {
            width: 100%;
            padding: 10px;
            padding-left: 35px;
            border: 1px solid #ccc;
            border-radius: 5px;
            outline: none;
        }
        .input-group .icon {
            position: absolute;
            left: 10px;
            top: 50%;
            transform: translateY(-50%);
        }
        .login-btn {
            width: 100%;
            padding: 10px;
            background-color: #007bff;
            color: white;
            border: none;
            border-radius: 5px;
            cursor: pointer;
            font-size: 16px;
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```

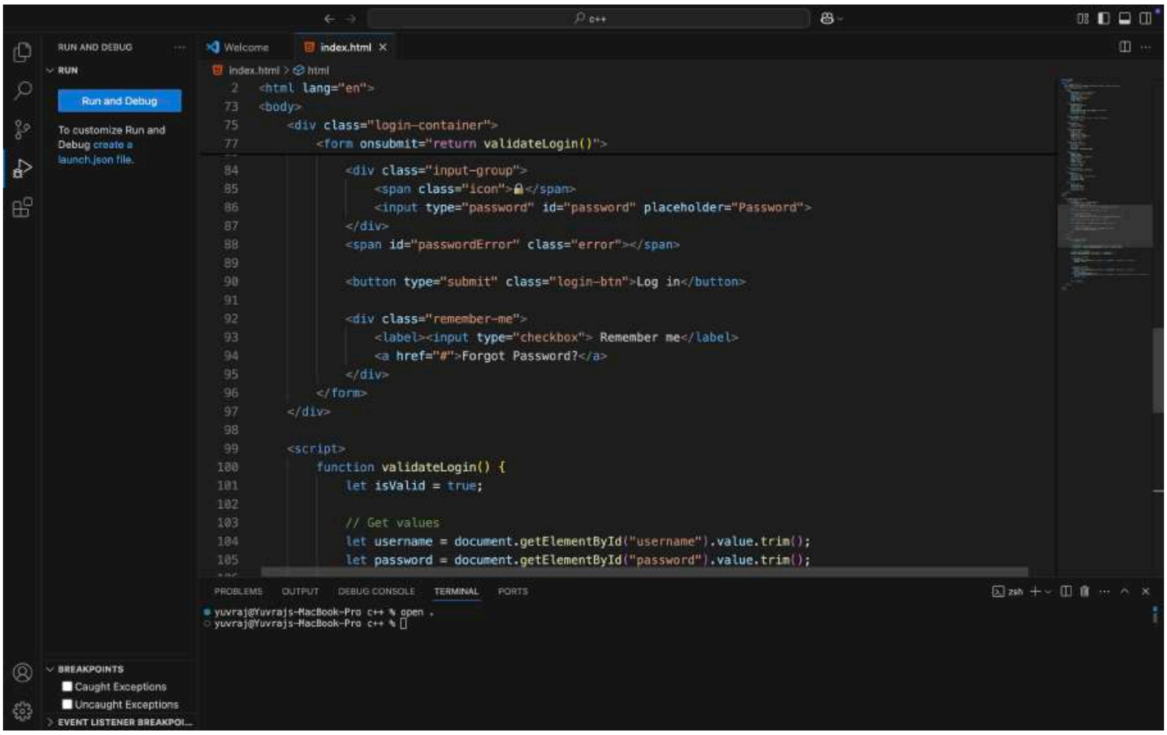


To customize Run and Debug create a launch.json file.

□ Caught Exceptions
□ Uncaught Exceptions

```
<html lang="en">
<head>
    <style>
        .remember-me {
            display: flex;
            justify-content: space-between;
            font-size: 14px;
            margin-top: 10px;
        }
        .error {
            color: red;
            font-size: 12px;
            text-align: left;
            margin-top: 5px;
        }
    </style>
</head>
<body>

    <div class="login-container">
        <h2>Instagram</h2>
        <form onsubmit="return validateLogin()">
            <div class="input-group">
                <span class="icon">👤</span>
                <input type="text" id="username" placeholder="Username">
            </div>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```

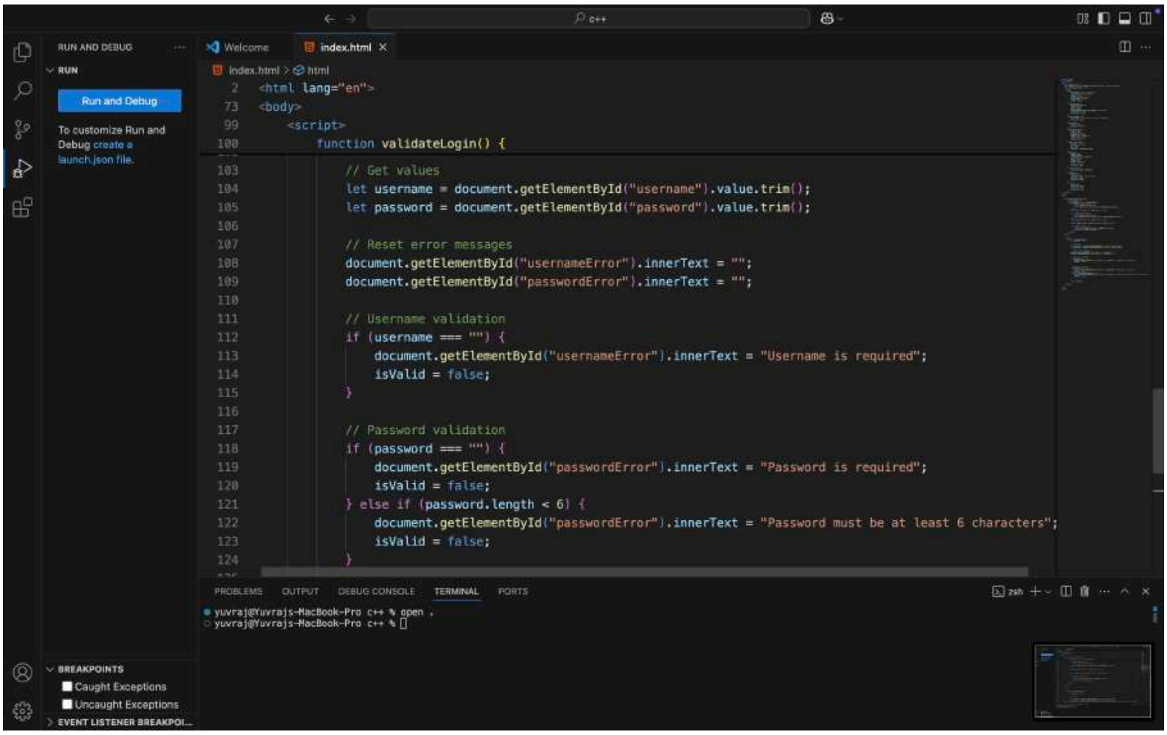


To customize Run and Debug create a launch.json file.

□ Caught Exceptions
□ Uncaught Exceptions

```
<html lang="en">
<body>
    <div class="login-container">
        <form onsubmit="return validateLogin()">
            <div class="input-group">
                <span class="icon">🔒</span>
                <input type="password" id="password" placeholder="Password">
            </div>
            <span id="passwordError" class="error"></span>

            <button type="submit" class="login-btn">Log in</button>

            <div class="remember-me">
                <label><input type="checkbox"> Remember me</label>
                <a href="#">Forgot Password?</a>
            </div>
        </form>
    </div>

    <script>
        function validateLogin() {
            let isValid = true;

            // Get values
            let username = document.getElementById("username").value.trim();
            let password = document.getElementById("password").value.trim();
```

```
● yuvraj@Yuvrajs-MacBook-Pro c++ % open .
○ yuvraj@Yuvrajs-MacBook-Pro c++ % ▯
```

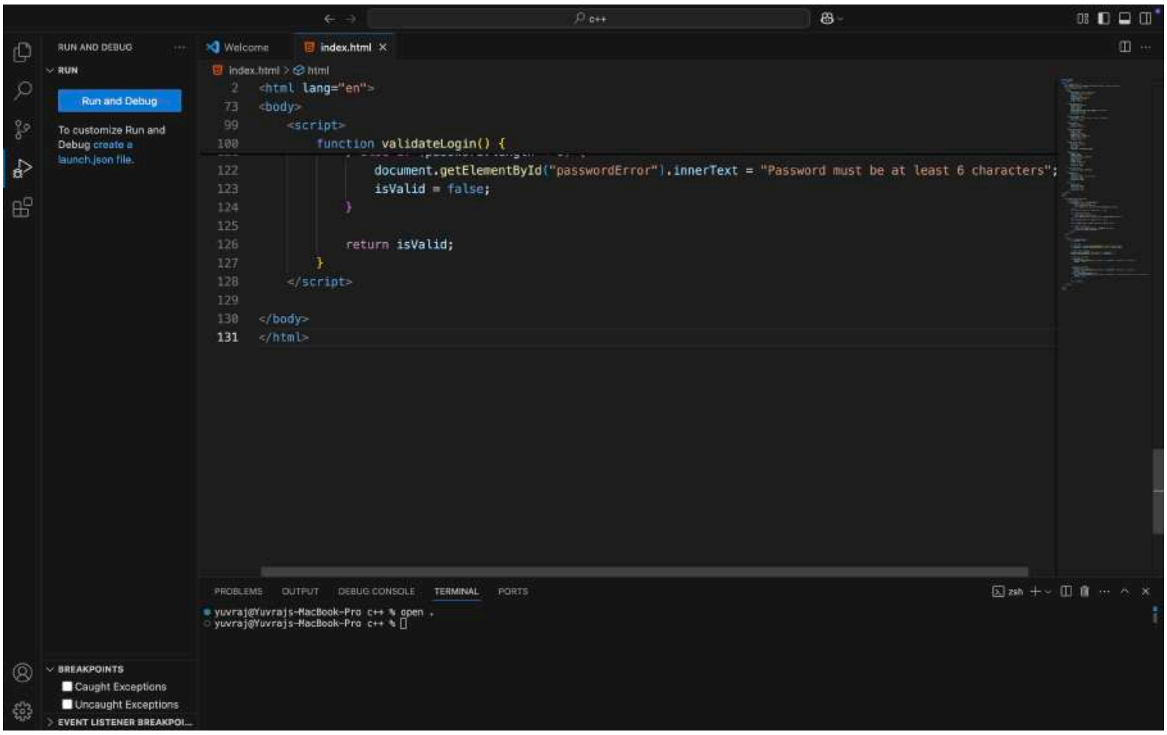


To customize Run and Debug create a launch.json file.

□ Caught Exceptions
□ Uncaught Exceptions

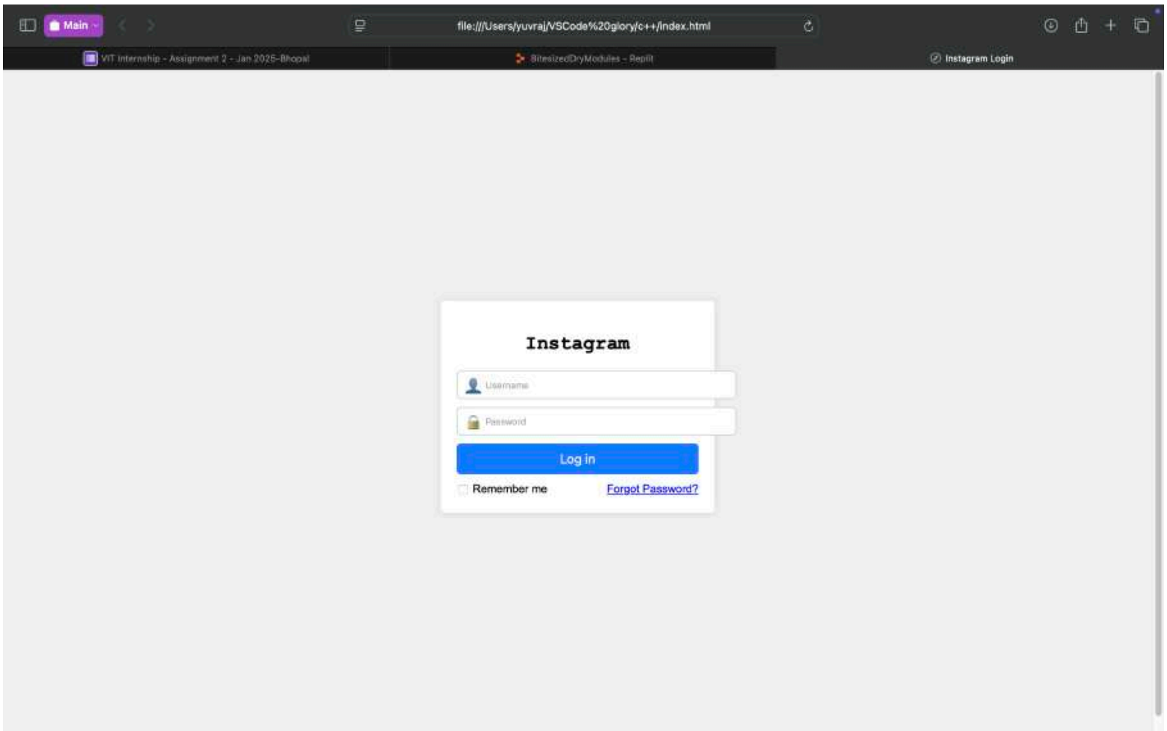
```
<html lang="en">
<body>
    <script>
        function validateLogin() {
            // Get values
            let username = document.getElementById("username").value.trim();
            let password = document.getElementById("password").value.trim();

            // Reset error messages
            document.getElementById("usernameError").innerText = "";
            document.getElementById("passwordError").innerText = "";

            // Username validation
            if (username === "") {
                document.getElementById("usernameError").innerText = "Username is required";
                isValid = false;
            }

            // Password validation
            if (password === "") {
                document.getElementById("passwordError").innerText = "Password is required";
                isValid = false;
            } else if (password.length < 6) {
                document.getElementById("passwordError").innerText = "Password must be at least 6 characters";
                isValid = false;
            }
```

```
● yuvraj@Yuvrajs-MacBook-Pro c++ % open .
○ yuvraj@Yuvrajs-MacBook-Pro c++ % ▯
```

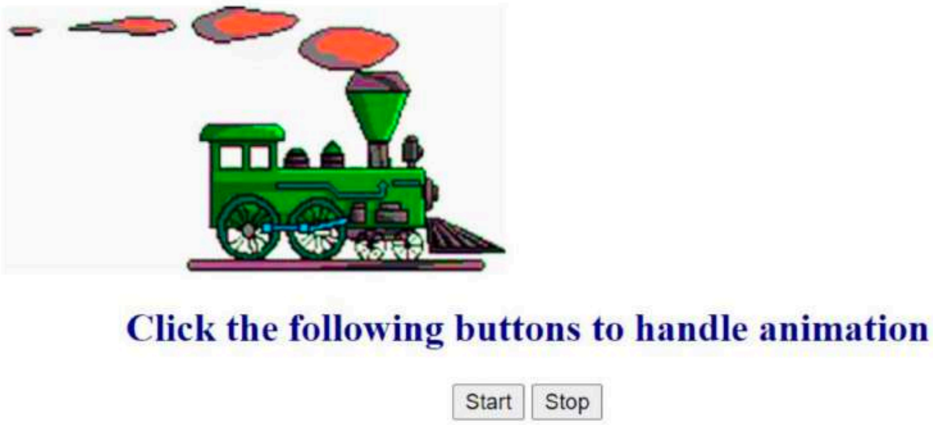


```
<html lang="en">
<body>
    <script>
        function validateLogin() {
                document.getElementById("passwordError").innerText = "Password must be at least 6 characters";
                isValid = false;
            }

            return isValid;
        }
    </script>

</body>
</html>
```

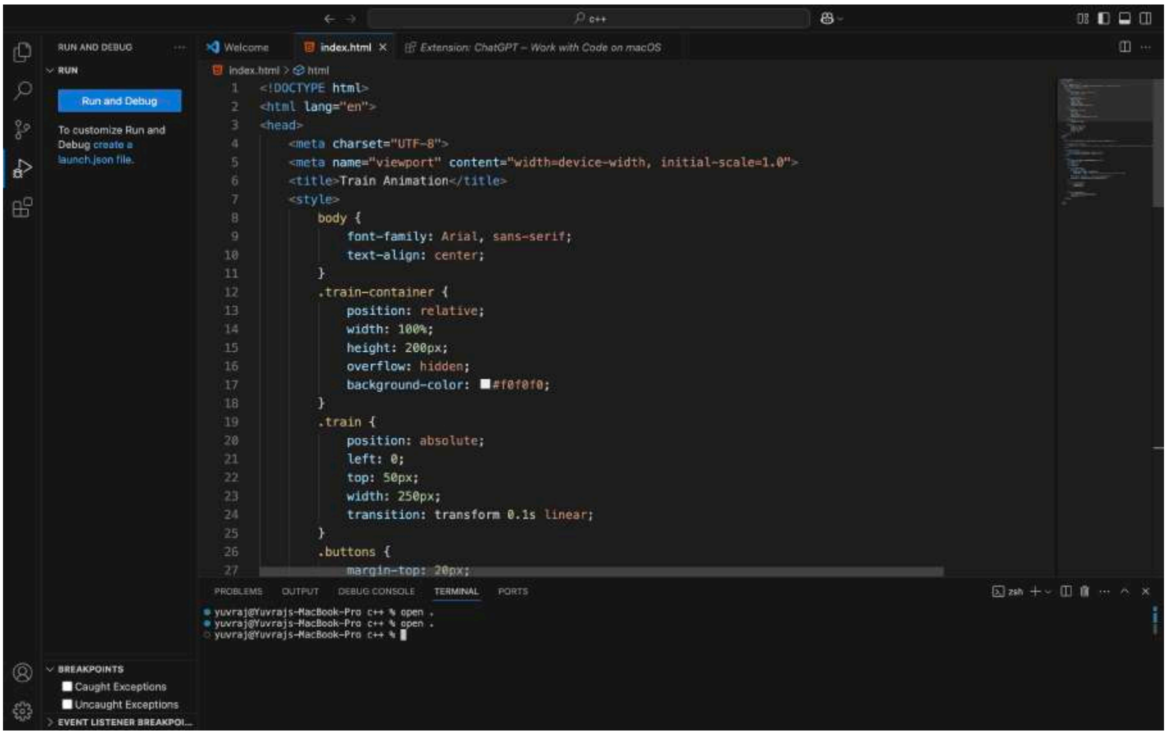
```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```


Main
file:///Users/yuvraj/VSCode%20glory/c++/index.html
VIT Internship - Assignment 2 - Jan 2025-Bhopal
BitesizedDryModules - Replit
Instagram Login
Instagram
Username
Password
Log in
Remember me
Forgot Password?

TASK - 7

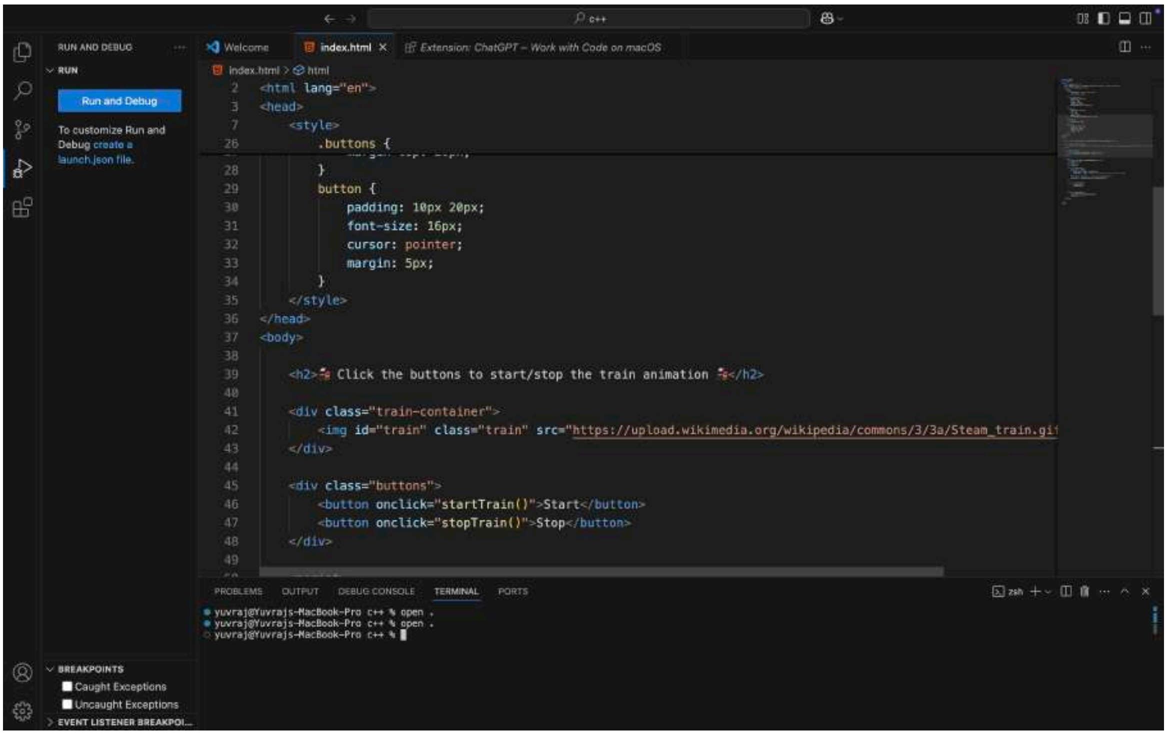


Click the following buttons to handle animation



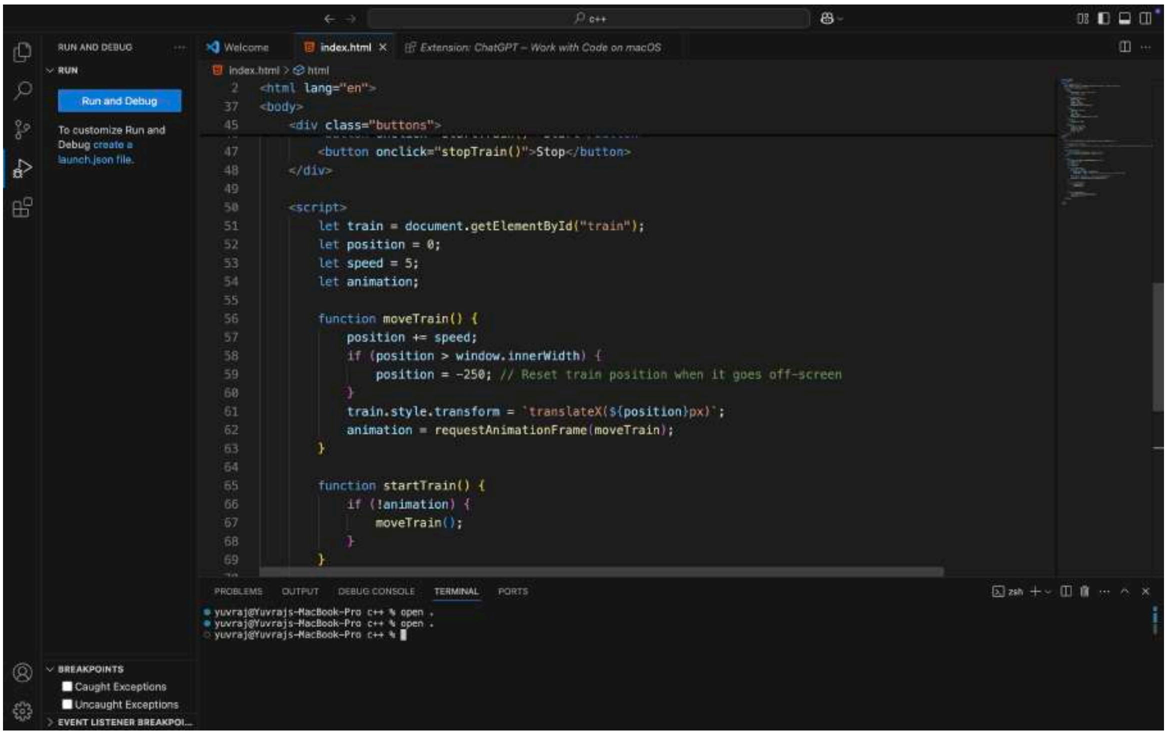
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Train Animation</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
        }
        .train-container {
            position: relative;
            width: 100%;
            height: 200px;
            overflow: hidden;
            background-color: #f0f0f0;
        }
        .train {
            position: absolute;
            left: 0;
            top: 50px;
            width: 250px;
            transition: transform 0.1s linear;
        }
        .buttons {
            margin-top: 20px;
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



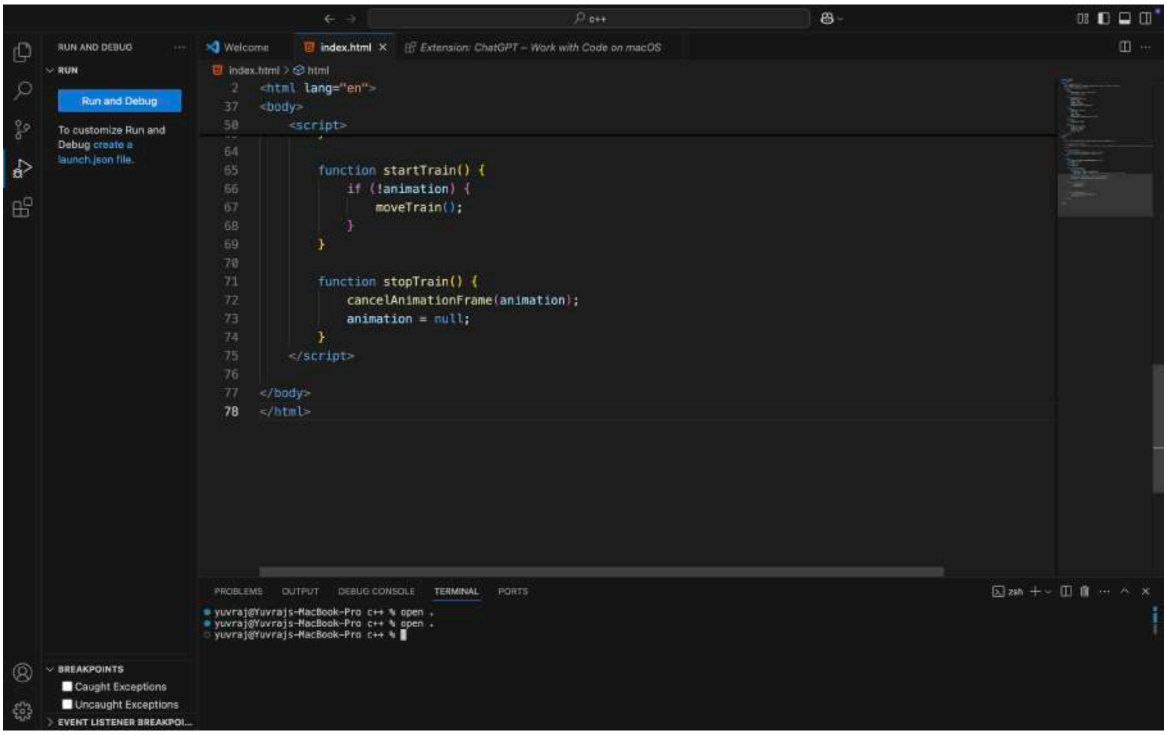
```
<html lang="en">
<head>
    <style>
        .buttons {
        }
        button {
            padding: 10px 20px;
            font-size: 16px;
            cursor: pointer;
            margin: 5px;
        }
    </style>
</head>
<body>

    <h2>🚂 Click the buttons to start/stop the train animation 🚂</h2>

    <div class="train-container">
        <img id="train" class="train" src="https://upload.wikimedia.org/wikipedia/commons/3/3a/Steam_train.gi
    </div>

    <div class="buttons">
        <button onclick="startTrain()">Start</button>
        <button onclick="stopTrain()">Stop</button>
    </div>

```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



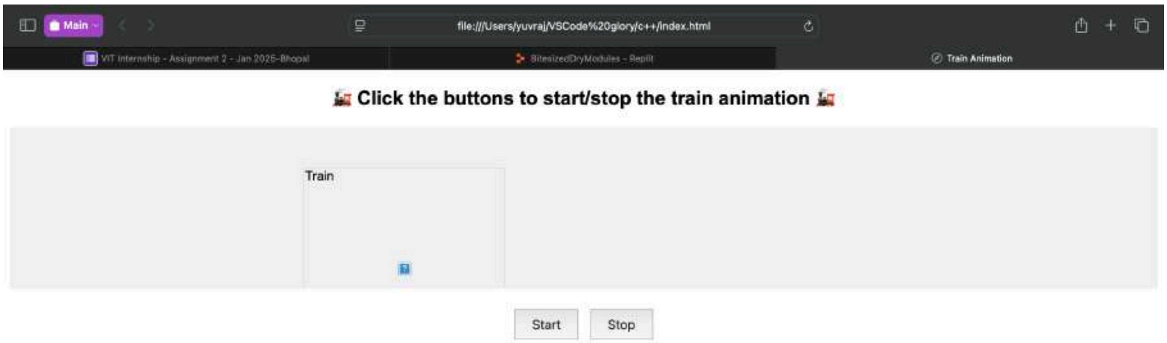
```
<html lang="en">
<body>
    <div class="buttons">
        <button onclick="stopTrain()">Stop</button>
    </div>

    <script>
        let train = document.getElementById("train");
        let position = 0;
        let speed = 5;
        let animation;

        function moveTrain() {
            position += speed;
            if (position > window.innerWidth) {
                position = -250; // Reset train position when it goes off-screen
            }
            train.style.transform = `translateX(${position}px)`;
            animation = requestAnimationFrame(moveTrain);
        }

        function startTrain() {
            if (!animation) {
                moveTrain();
            }
        }
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



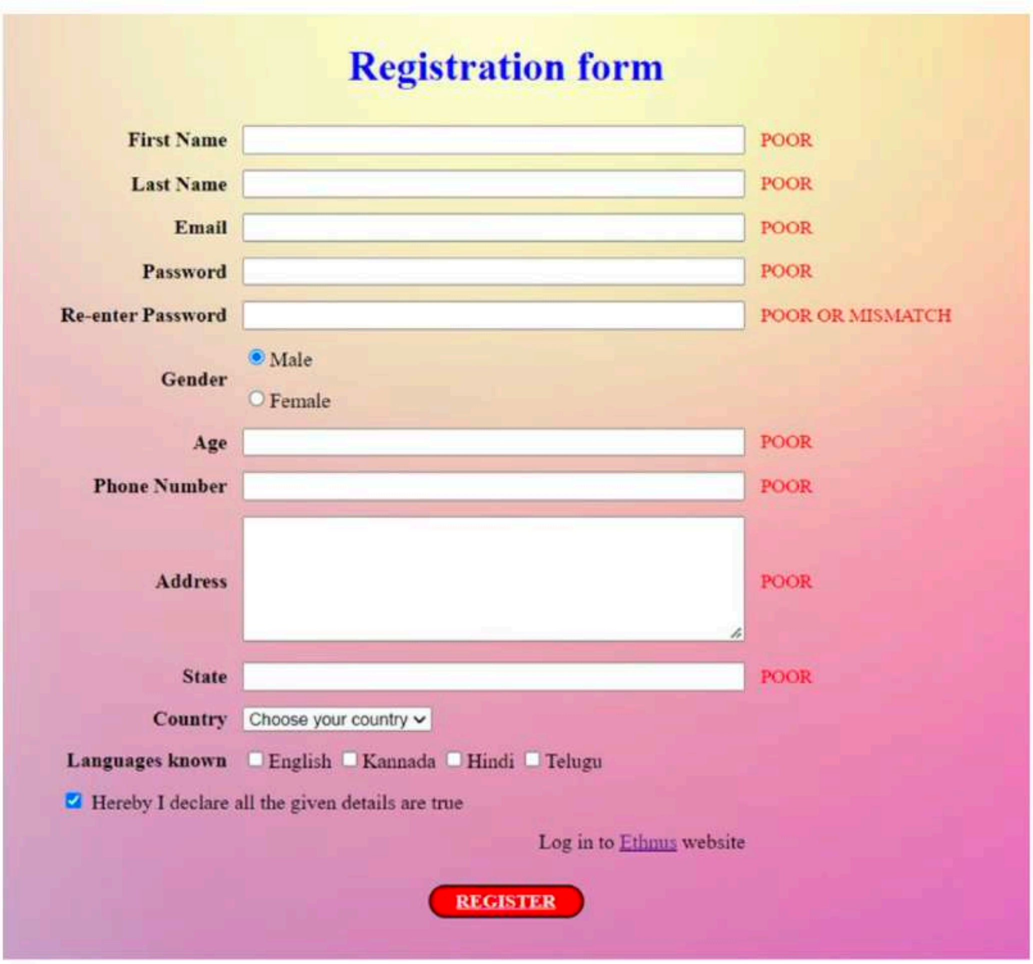
```
<html lang="en">
<body>
    <script>

        function startTrain() {
            if (!animation) {
                moveTrain();
            }
        }

        function stopTrain() {
            cancelAnimationFrame(animation);
            animation = null;
        }
    </script>

</body>
</html>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```


Main
file:///Users/yuvraj/VSCode%20glory/c++/index.html
VIT Internship - Assignment 2 - Jan 2025-Bhopal
BitesizedDryModules - Replit
Train Animation
Train
Start
Stop

🚂 Click the buttons to start/stop the train animation 🚂

Task - 8

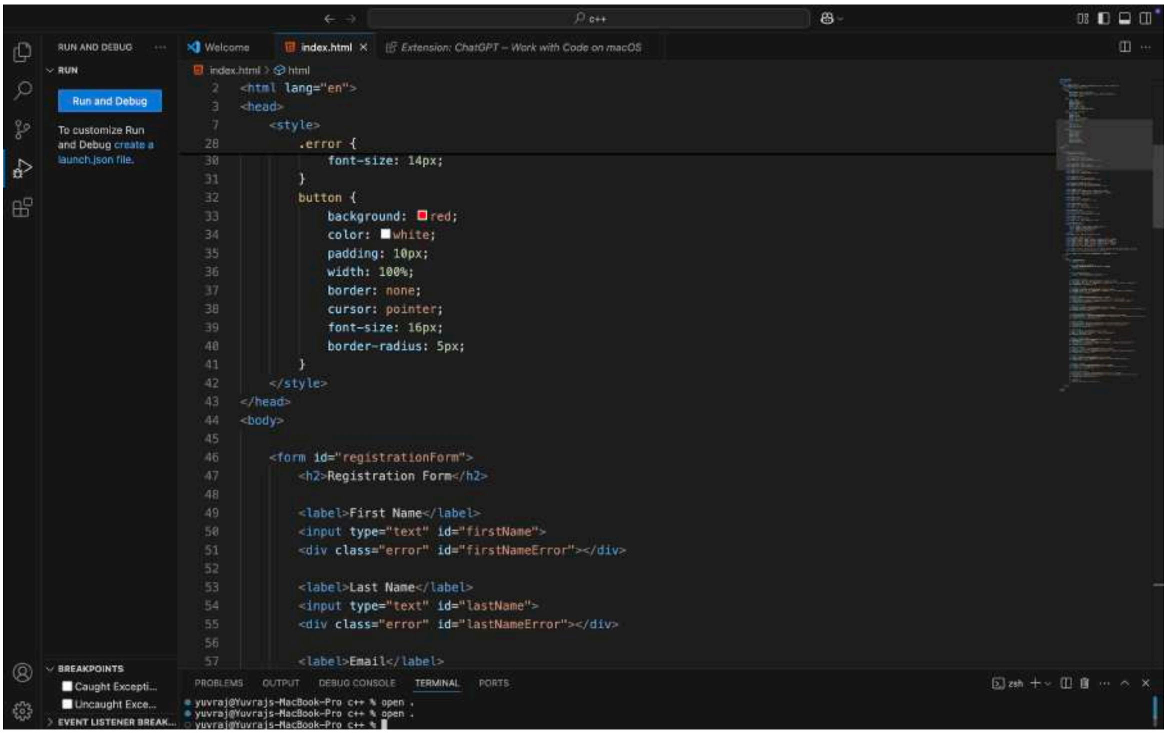


Registration form

First Name		POOR
Last Name		POOR
Email		POOR
Password		POOR
Re-enter Password		POOR OR MISMATCH
Gender	● Male ○ Female	
Age		POOR
Phone Number		POOR
Address		POOR
State		POOR
Country	Choose your country	
Languages known	□ English □ Kannada □ Hindi □ Telugu	

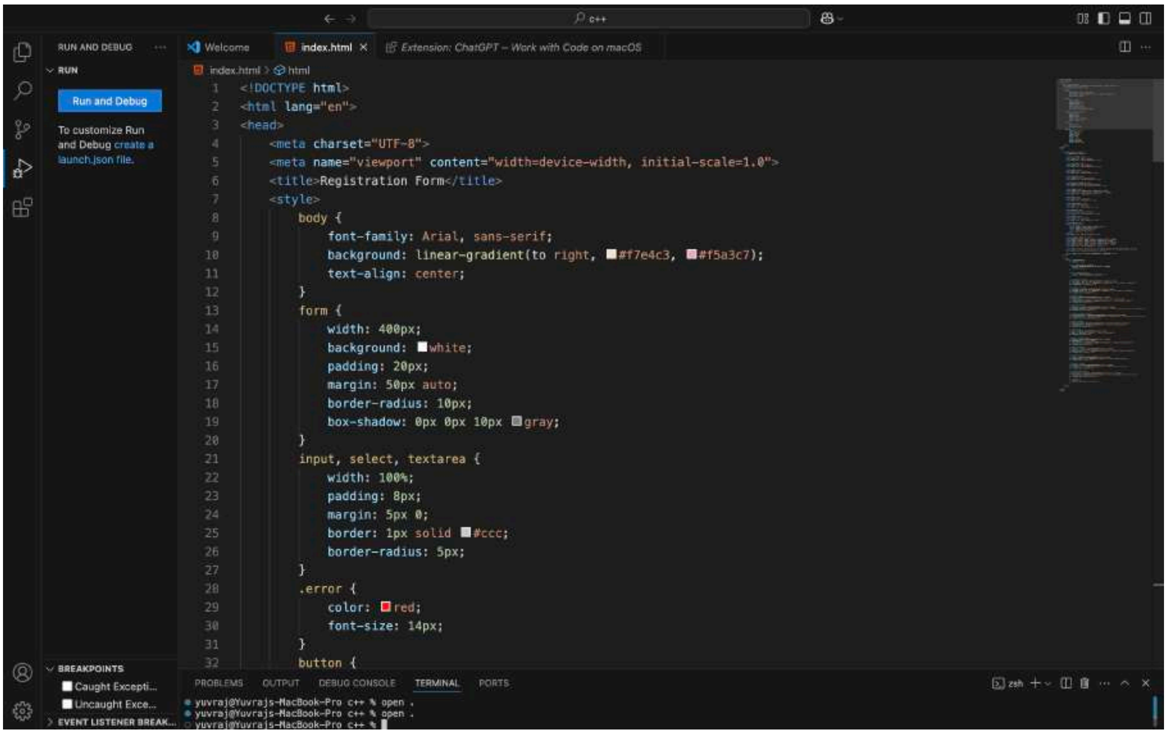
☑ Hereby I declare all the given details are true

Log in to Ethnus website



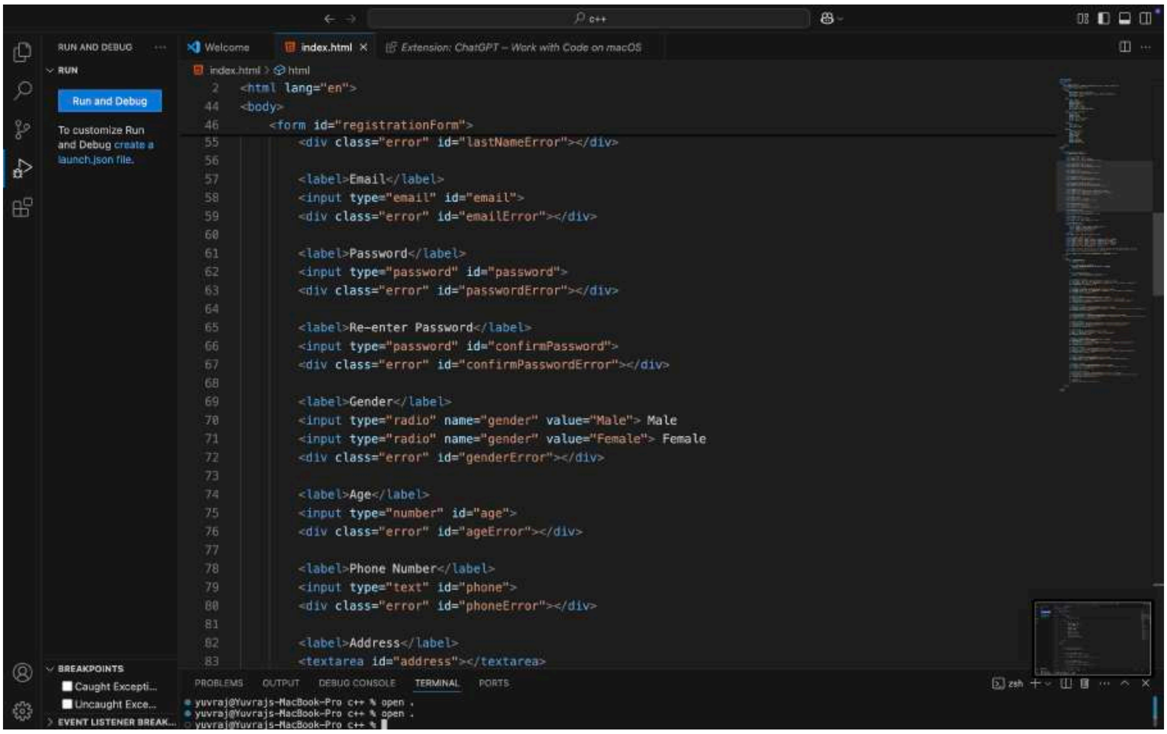
```html
<html lang="en">
<head>
    <style>
        .error {
            font-size: 14px;
        }
        button {
            background: red;
            color: white;
            padding: 10px;
            width: 100%;
            border: none;
            cursor: pointer;
            font-size: 16px;
            border-radius: 5px;
        }
    </style>
</head>
<body>

    <form id="registrationForm">
        <h2>Registration Form</h2>

        <label>First Name</label>
        <input type="text" id="firstName">
        <div class="error" id="firstNameError"></div>

        <label>Last Name</label>
        <input type="text" id="lastName">
        <div class="error" id="lastNameError"></div>

        <label>Email</label>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```



```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background: linear-gradient(to right, #f7e4c3, #f5a3c7);
            text-align: center;
        }
        form {
            width: 400px;
            background: white;
            padding: 20px;
            margin: 50px auto;
            border-radius: 10px;
            box-shadow: 0px 0px 10px gray;
        }
        input, select, textarea {
            width: 100%;
            padding: 8px;
            margin: 5px 0;
            border: 1px solid #ccc;
            border-radius: 5px;
        }
        .error {
            color: red;
            font-size: 14px;
        }
        button {
```

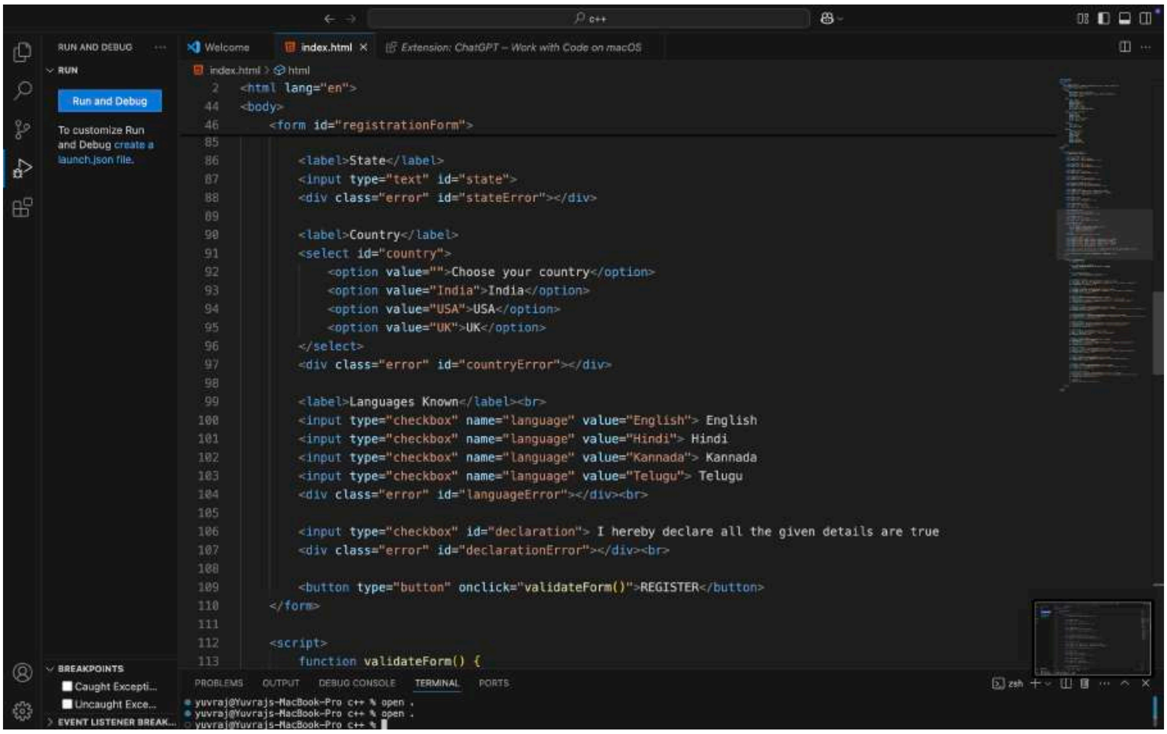
```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```



To customize Run and Debug create a launch.json file.

```html
<html lang="en">
<body>
    <form id="registrationForm">
        <div class="error" id="lastNameError"></div>

        <label>Email</label>
        <input type="email" id="email">
        <div class="error" id="emailError"></div>

        <label>Password</label>
        <input type="password" id="password">
        <div class="error" id="passwordError"></div>

        <label>Re-enter Password</label>
        <input type="password" id="confirmPassword">
        <div class="error" id="confirmPasswordError"></div>

        <label>Gender</label>
        <input type="radio" name="gender" value="Male"> Male
        <input type="radio" name="gender" value="Female"> Female
        <div class="error" id="genderError"></div>

        <label>Age</label>
        <input type="number" id="age">
        <div class="error" id="ageError"></div>

        <label>Phone Number</label>
        <input type="text" id="phone">
        <div class="error" id="phoneError"></div>

        <label>Address</label>
        <textarea id="address"></textarea>
```

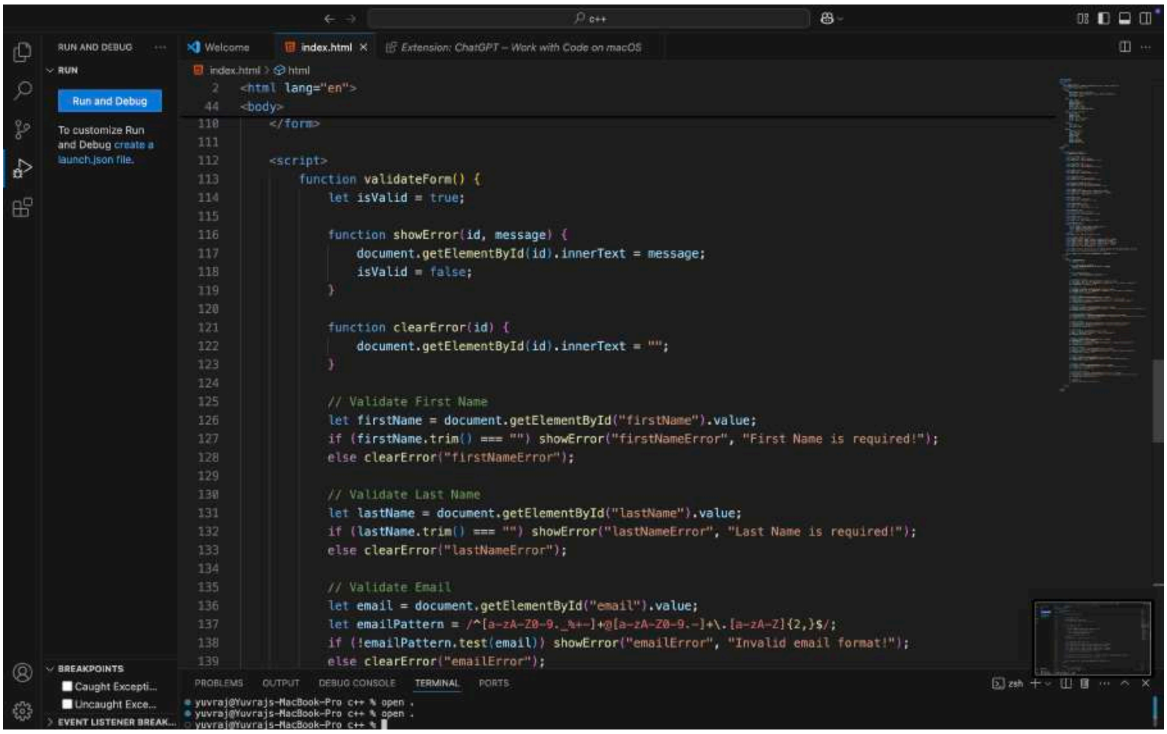
```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



To customize Run and Debug create a launch.json file.

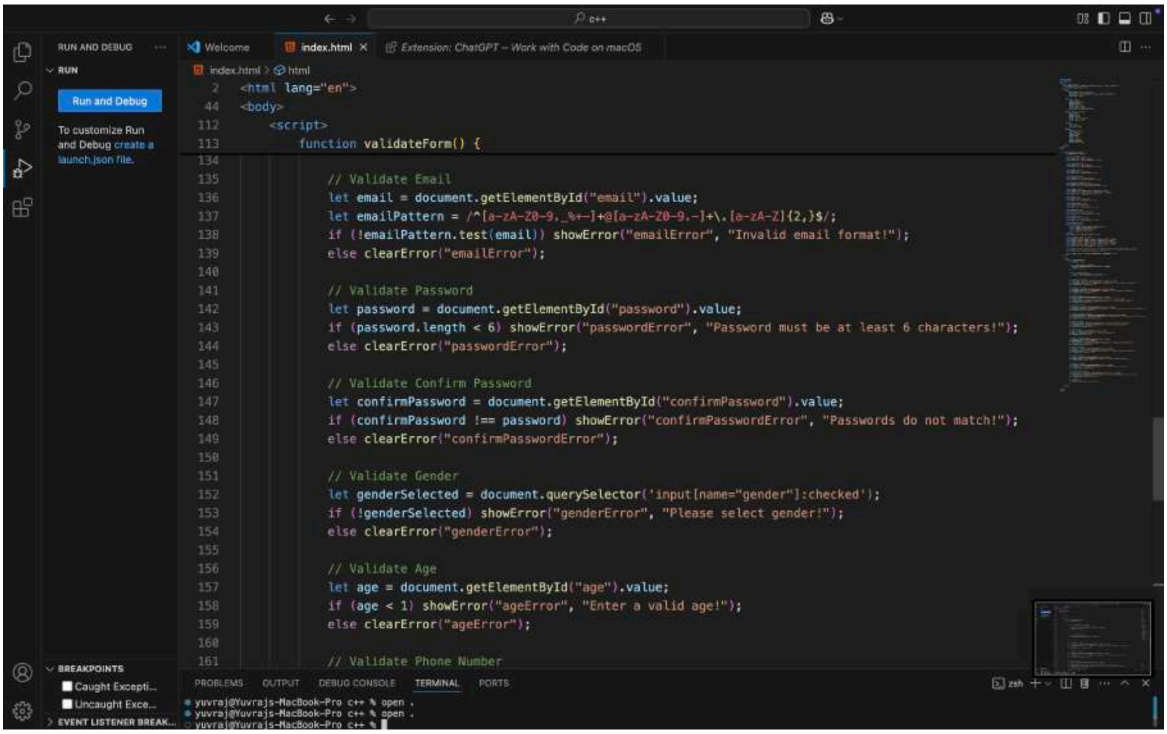
```html
<html lang="en">
<body>
    <form id="registrationForm">

        <label>State</label>
        <input type="text" id="state">
        <div class="error" id="stateError"></div>

        <label>Country</label>
        <select id="country">
            <option value="">Choose your country</option>
            <option value="India">India</option>
            <option value="USA">USA</option>
            <option value="UK">UK</option>
        </select>
        <div class="error" id="countryError"></div>

        <label>Languages Known</label><br>
        <input type="checkbox" name="language" value="English"> English
        <input type="checkbox" name="language" value="Hindi"> Hindi
        <input type="checkbox" name="language" value="Kannada"> Kannada
        <input type="checkbox" name="language" value="Telugu"> Telugu
        <div class="error" id="languageError"></div><br>

        <input type="checkbox" id="declaration"> I hereby declare all the given details are true
        <div class="error" id="declarationError"></div><br>

        <button type="button" onclick="validateForm()">REGISTER</button>
    </form>

    <script>
        function validateForm() {
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



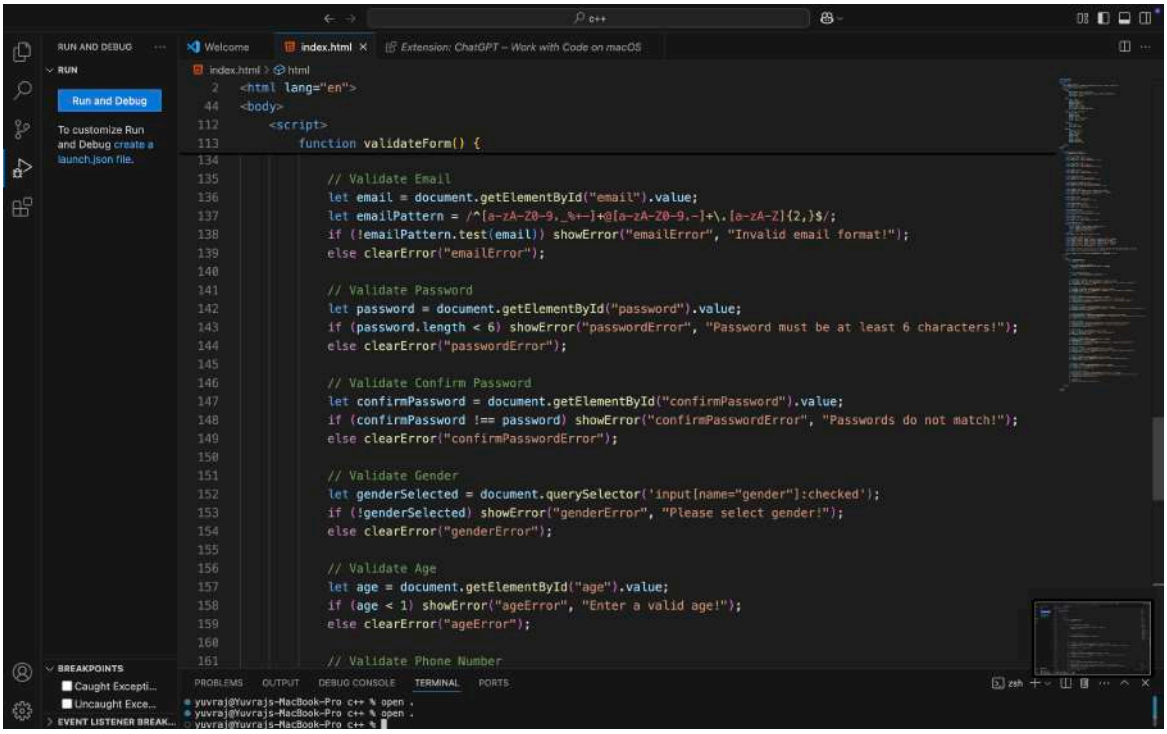
```
<html lang="en">
<body>
    </form>

    <script>
        function validateForm() {
            let isValid = true;

            function showError(id, message) {
                document.getElementById(id).innerText = message;
                isValid = false;
            }

            function clearError(id) {
                document.getElementById(id).innerText = "";
            }

            // Validate First Name
            let firstName = document.getElementById("firstName").value;
            if (firstName.trim() === "") showError("firstNameError", "First Name is required!");
            else clearError("firstNameError");

            // Validate Last Name
            let lastName = document.getElementById("lastName").value;
            if (lastName.trim() === "") showError("lastNameError", "Last Name is required!");
            else clearError("lastNameError");

            // Validate Email
            let email = document.getElementById("email").value;
            let emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
            if (!emailPattern.test(email)) showError("emailError", "Invalid email format!");
            else clearError("emailError");
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



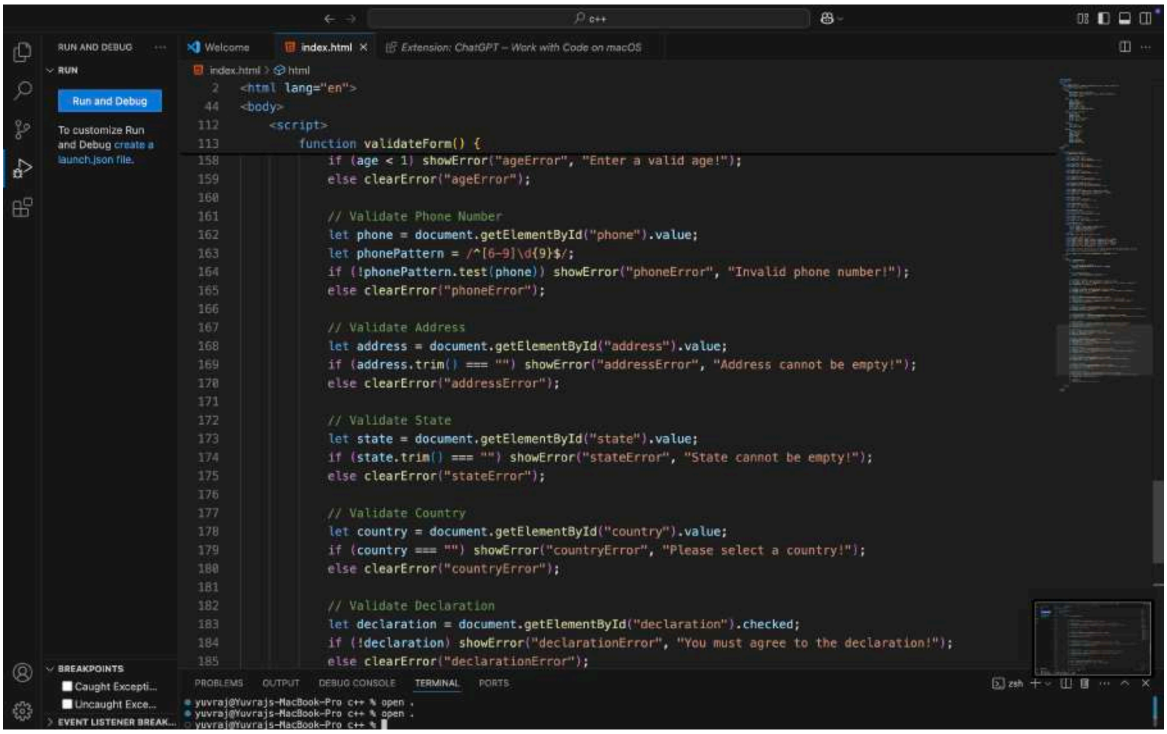
```
<html lang="en">
<body>
    <script>
        function validateForm() {

            // Validate Email
            let email = document.getElementById("email").value;
            let emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
            if (!emailPattern.test(email)) showError("emailError", "Invalid email format!");
            else clearError("emailError");

            // Validate Password
            let password = document.getElementById("password").value;
            if (password.length < 6) showError("passwordError", "Password must be at least 6 characters!");
            else clearError("passwordError");

            // Validate Confirm Password
            let confirmPassword = document.getElementById("confirmPassword").value;
            if (confirmPassword !== password) showError("confirmPasswordError", "Passwords do not match!");
            else clearError("confirmPasswordError");

            // Validate Gender
            let genderSelected = document.querySelector('input[name="gender"]:checked');
            if (!genderSelected) showError("genderError", "Please select gender!");
            else clearError("genderError");

            // Validate Age
            let age = document.getElementById("age").value;
            if (age < 1) showError("ageError", "Enter a valid age!");
            else clearError("ageError");

            // Validate Phone Number
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



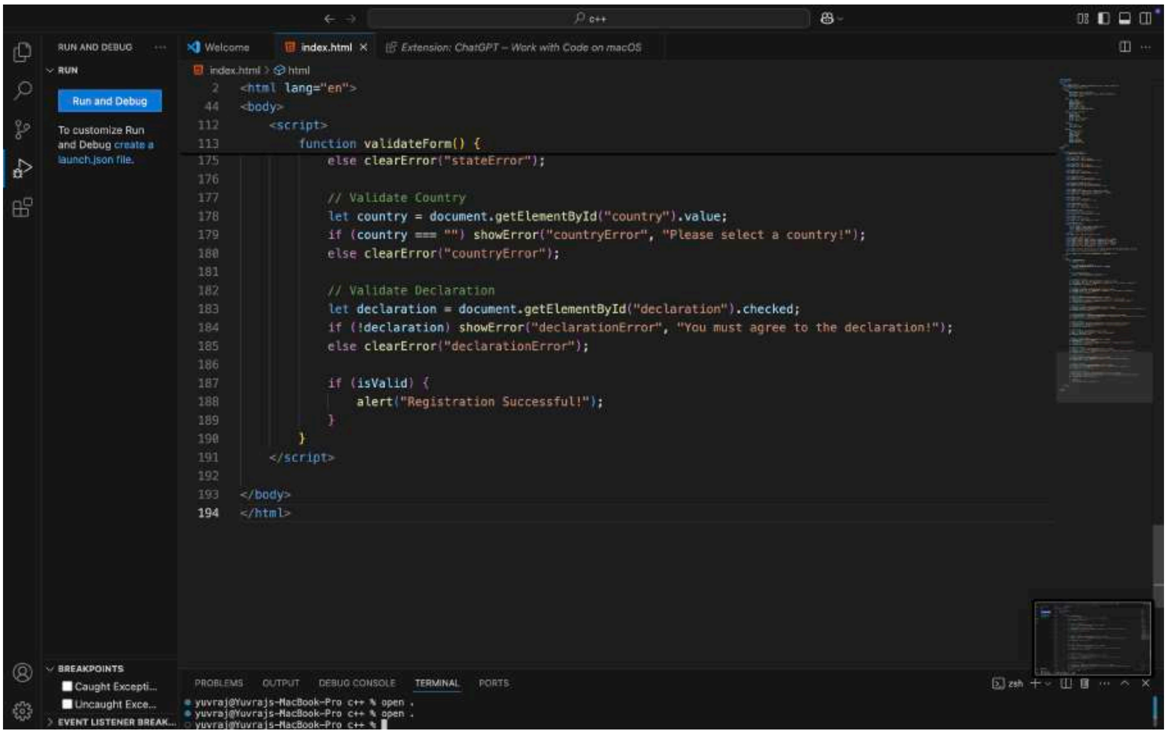
```
<html lang="en">
<body>
    <script>
        function validateForm() {

            // Validate Email
            let email = document.getElementById("email").value;
            let emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
            if (!emailPattern.test(email)) showError("emailError", "Invalid email format!");
            else clearError("emailError");

            // Validate Password
            let password = document.getElementById("password").value;
            if (password.length < 6) showError("passwordError", "Password must be at least 6 characters!");
            else clearError("passwordError");

            // Validate Confirm Password
            let confirmPassword = document.getElementById("confirmPassword").value;
            if (confirmPassword !== password) showError("confirmPasswordError", "Passwords do not match!");
            else clearError("confirmPasswordError");

            // Validate Gender
            let genderSelected = document.querySelector('input[name="gender"]:checked');
            if (!genderSelected) showError("genderError", "Please select gender!");
            else clearError("genderError");

            // Validate Age
            let age = document.getElementById("age").value;
            if (age < 1) showError("ageError", "Enter a valid age!");
            else clearError("ageError");

            // Validate Phone Number
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



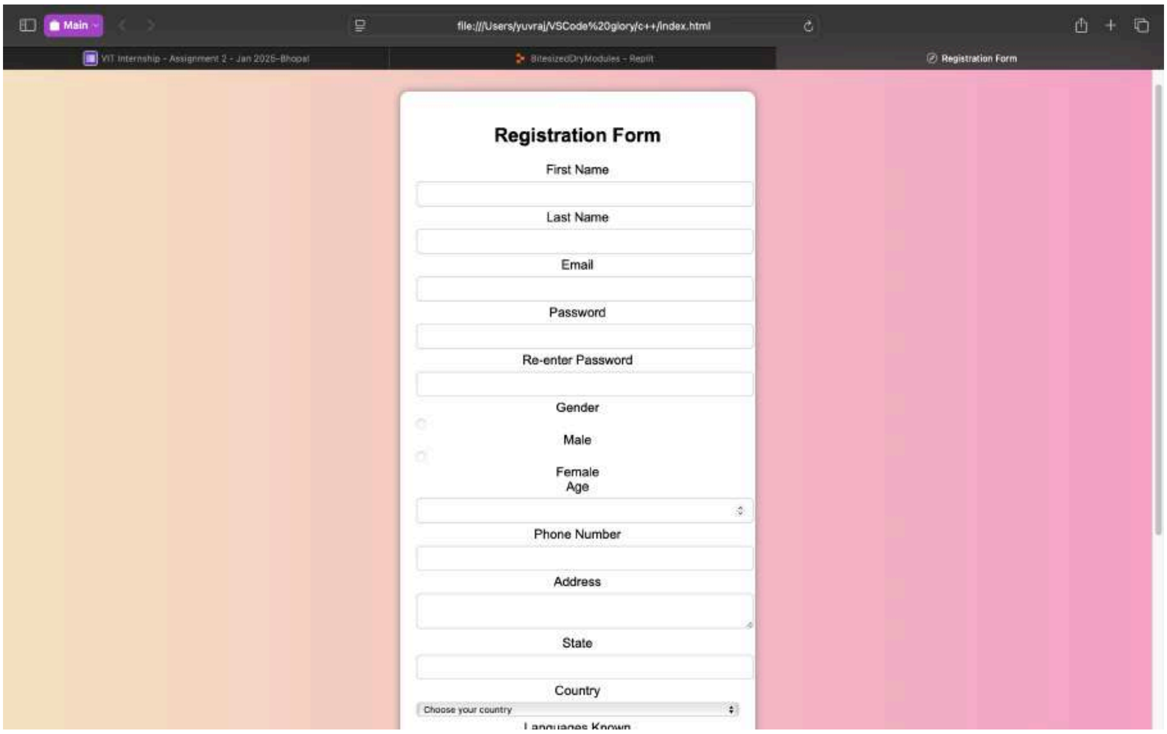
```
<html lang="en">
<body>
    <script>
        function validateForm() {
            if (age < 1) showError("ageError", "Enter a valid age!");
            else clearError("ageError");

            // Validate Phone Number
            let phone = document.getElementById("phone").value;
            let phonePattern = /^[6-9]\d{9}$/;
            if (!phonePattern.test(phone)) showError("phoneError", "Invalid phone number!");
            else clearError("phoneError");

            // Validate Address
            let address = document.getElementById("address").value;
            if (address.trim() === "") showError("addressError", "Address cannot be empty!");
            else clearError("addressError");

            // Validate State
            let state = document.getElementById("state").value;
            if (state.trim() === "") showError("stateError", "State cannot be empty!");
            else clearError("stateError");

            // Validate Country
            let country = document.getElementById("country").value;
            if (country === "") showError("countryError", "Please select a country!");
            else clearError("countryError");

            // Validate Declaration
            let declaration = document.getElementById("declaration").checked;
            if (!declaration) showError("declarationError", "You must agree to the declaration!");
            else clearError("declarationError");
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



```
<html lang="en">
<body>
    <script>
        function validateForm() {
            else clearError("stateError");

            // Validate Country
            let country = document.getElementById("country").value;
            if (country === "") showError("countryError", "Please select a country!");
            else clearError("countryError");

            // Validate Declaration
            let declaration = document.getElementById("declaration").checked;
            if (!declaration) showError("declarationError", "You must agree to the declaration!");
            else clearError("declarationError");

            if (isValid) {
                alert("Registration Successful!");
            }
        }
    </script>

</body>
</html>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```


Main
file:///Users/yuvraj/VSCode%20glory/c++/index.html
VIT Internship - Assignment 2 - Jan 2025-Bhopal
BitesizedDryModules - Replit
Registration Form

Registration Form

First Name

Last Name

Email

Password

Re-enter Password

Gender

○ Male

○ Female

Age

Phone Number

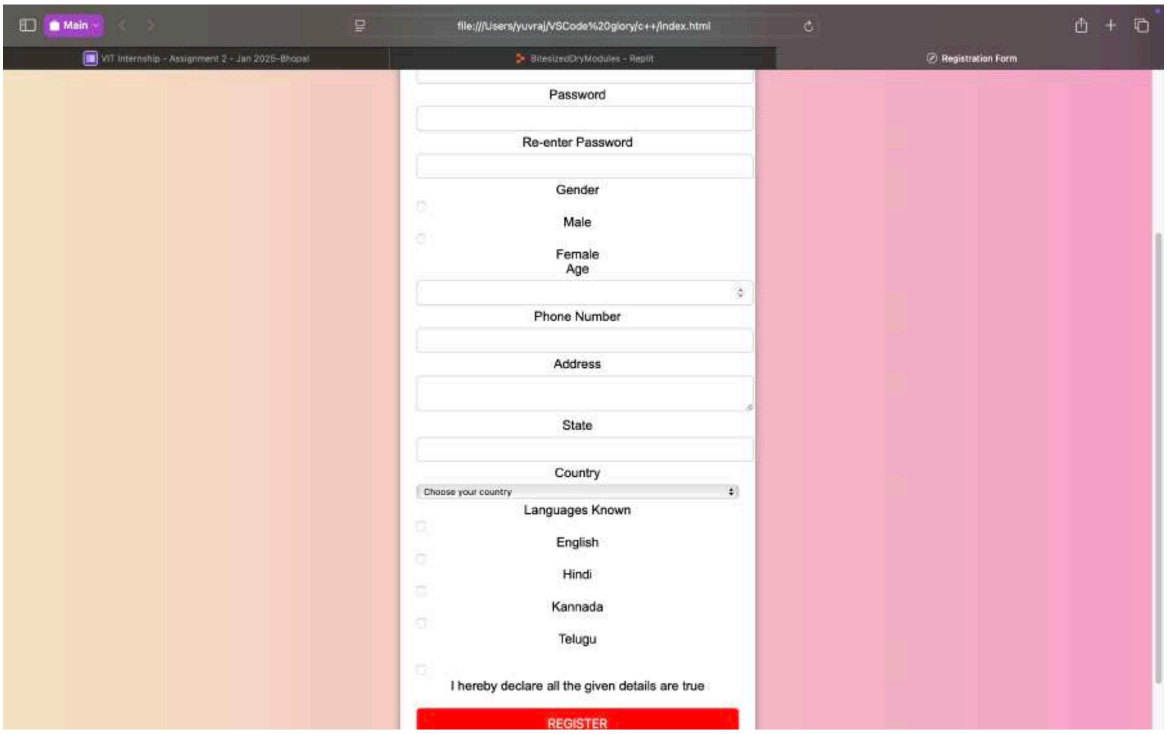
Address

State

Country

Choose your country

Languages Known


Main
file:///Users/yuvraj/VSCode%20glory/c++/index.html
VIT Internship - Assignment 2 - Jan 2025-Bhopal
BitesizedDryModules - Replit
Registration Form

Password

Re-enter Password

Gender

○ Male

○ Female

Age

Phone Number

Address

State

Country

Choose your country

Languages Known

□ English

□ Hindi

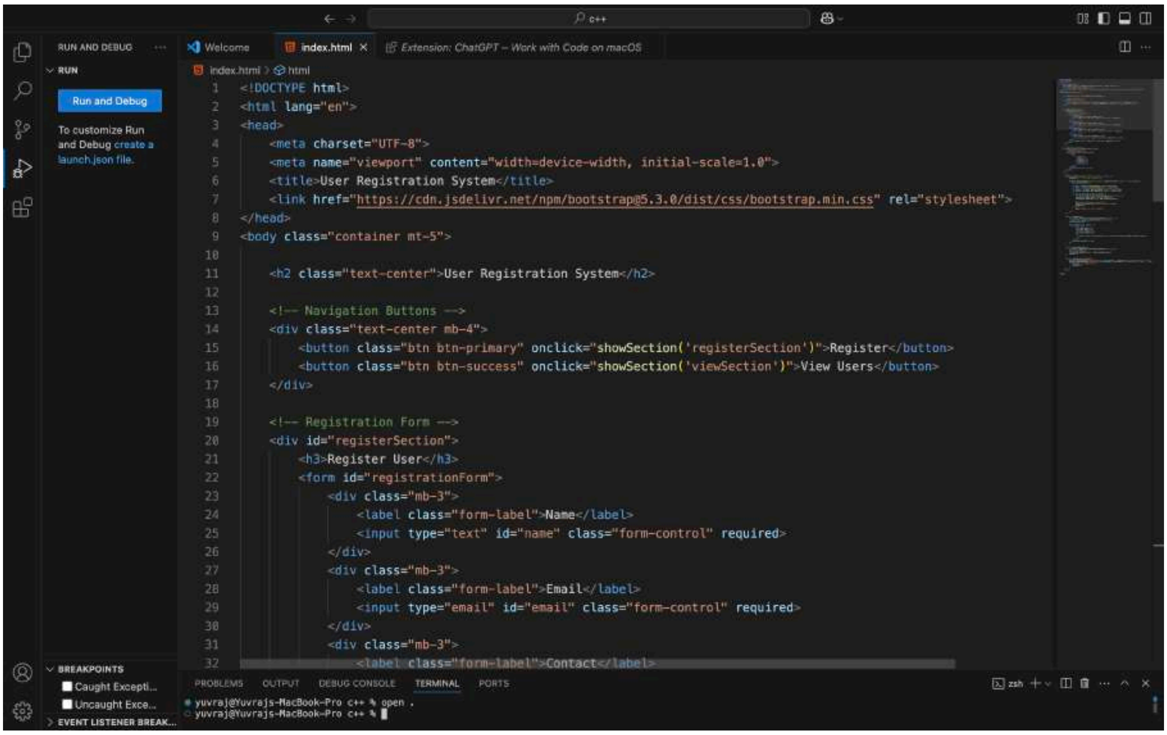
□ Kannada

□ Telugu

□ I hereby declare all the given details are true

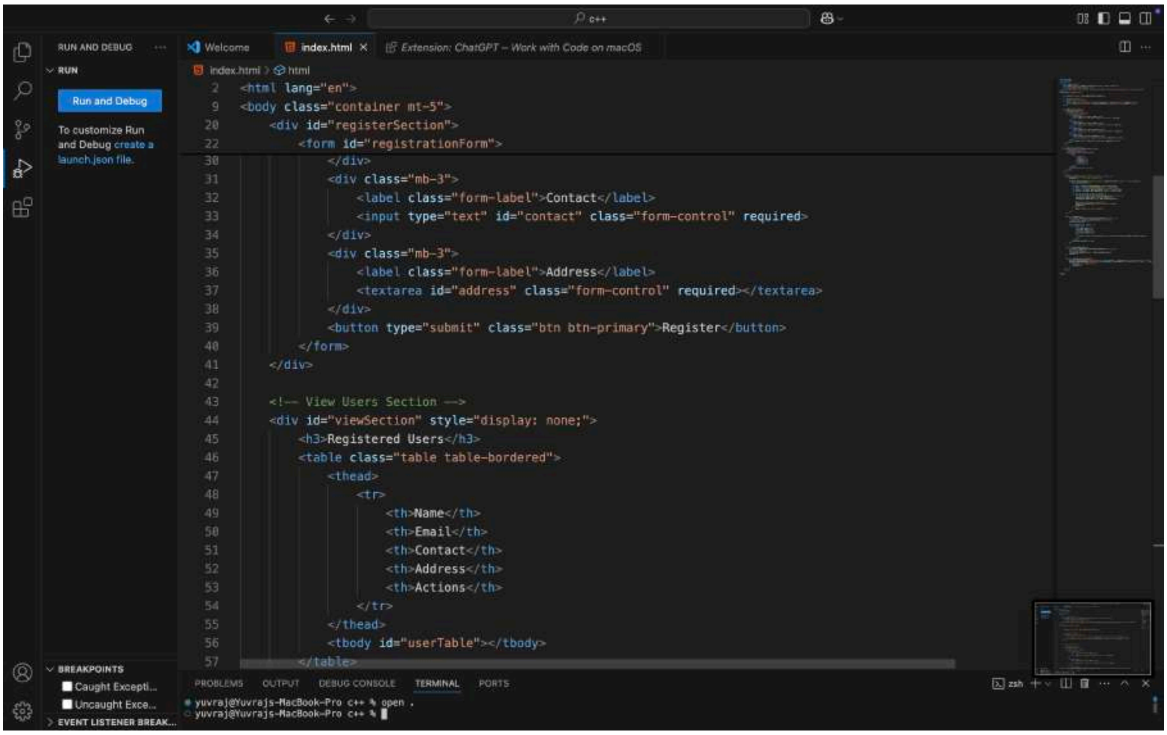
REGISTER

TAKS - 9



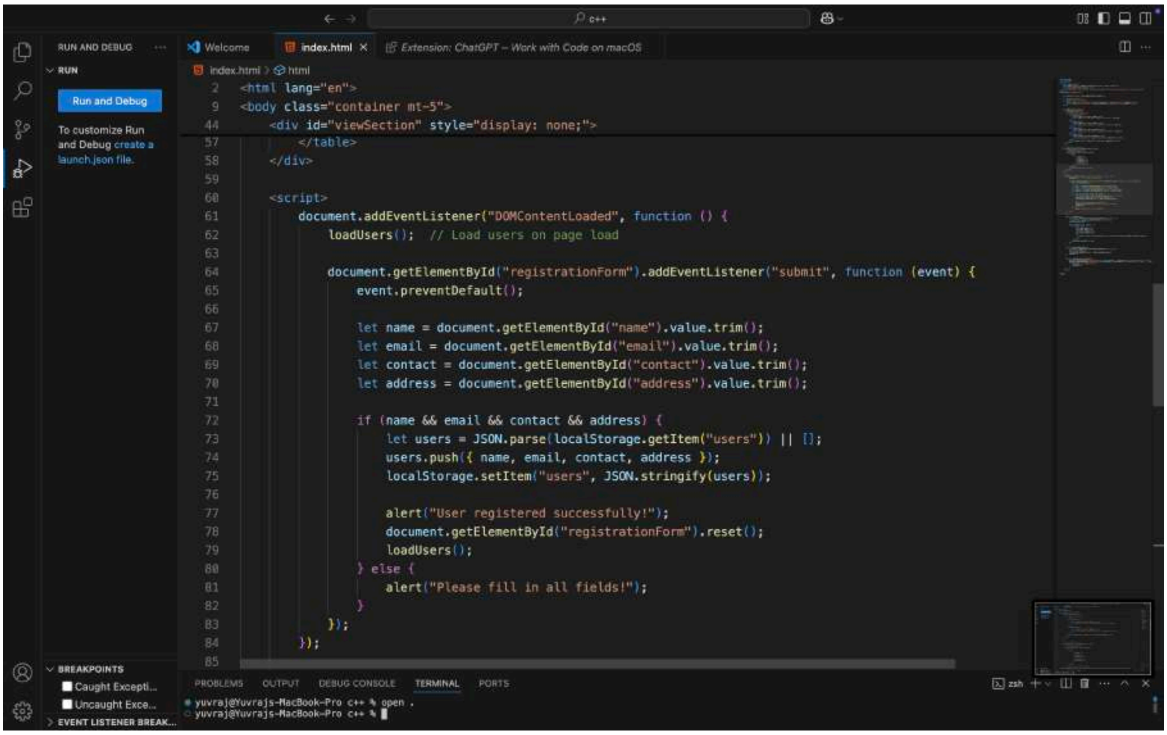
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Registration System</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body class="container mt-5">

    <h2 class="text-center">User Registration System</h2>

    <!-- Navigation Buttons -->
    <div class="text-center mb-4">
        <button class="btn btn-primary" onclick="showSection('registerSection')">Register</button>
        <button class="btn btn-success" onclick="showSection('viewSection')">View Users</button>
    </div>

    <!-- Registration Form -->
    <div id="registerSection">
        <h3>Register User</h3>
        <form id="registrationForm">
            <div class="mb-3">
                <label class="form-label">Name</label>
                <input type="text" id="name" class="form-control" required>
            </div>
            <div class="mb-3">
                <label class="form-label">Email</label>
                <input type="email" id="email" class="form-control" required>
            </div>
            <div class="mb-3">
                <label class="form-label">Contact</label>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



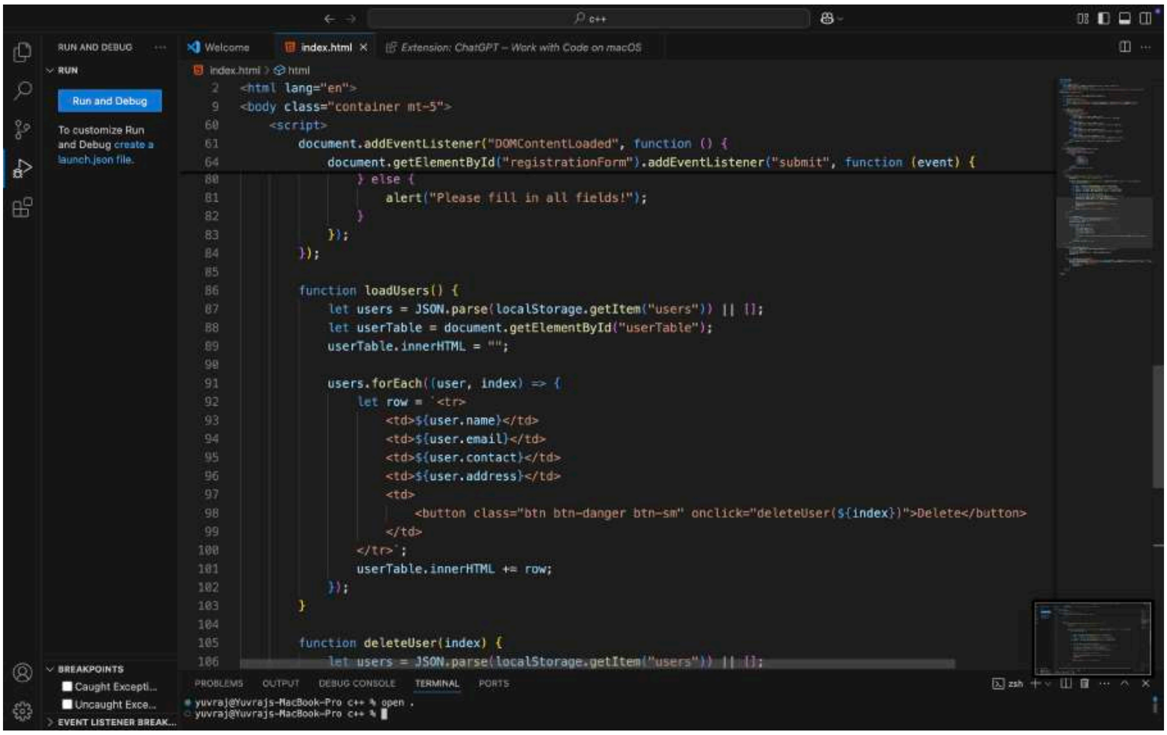
```
<html lang="en">
<body class="container mt-5">
    <div id="registerSection">
        <form id="registrationForm">
            </div>
            <div class="mb-3">
                <label class="form-label">Contact</label>
                <input type="text" id="contact" class="form-control" required>
            </div>
            <div class="mb-3">
                <label class="form-label">Address</label>
                <textarea id="address" class="form-control" required></textarea>
            </div>
            <button type="submit" class="btn btn-primary">Register</button>
        </form>
    </div>

    <!-- View Users Section -->
    <div id="viewSection" style="display: none;">
        <h3>Registered Users</h3>
        <table class="table table-bordered">
            <thead>
                <tr>
                    <th>Name</th>
                    <th>Email</th>
                    <th>Contact</th>
                    <th>Address</th>
                    <th>Actions</th>
                </tr>
            </thead>
            <tbody id="userTable"></tbody>
        </table>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ %
```



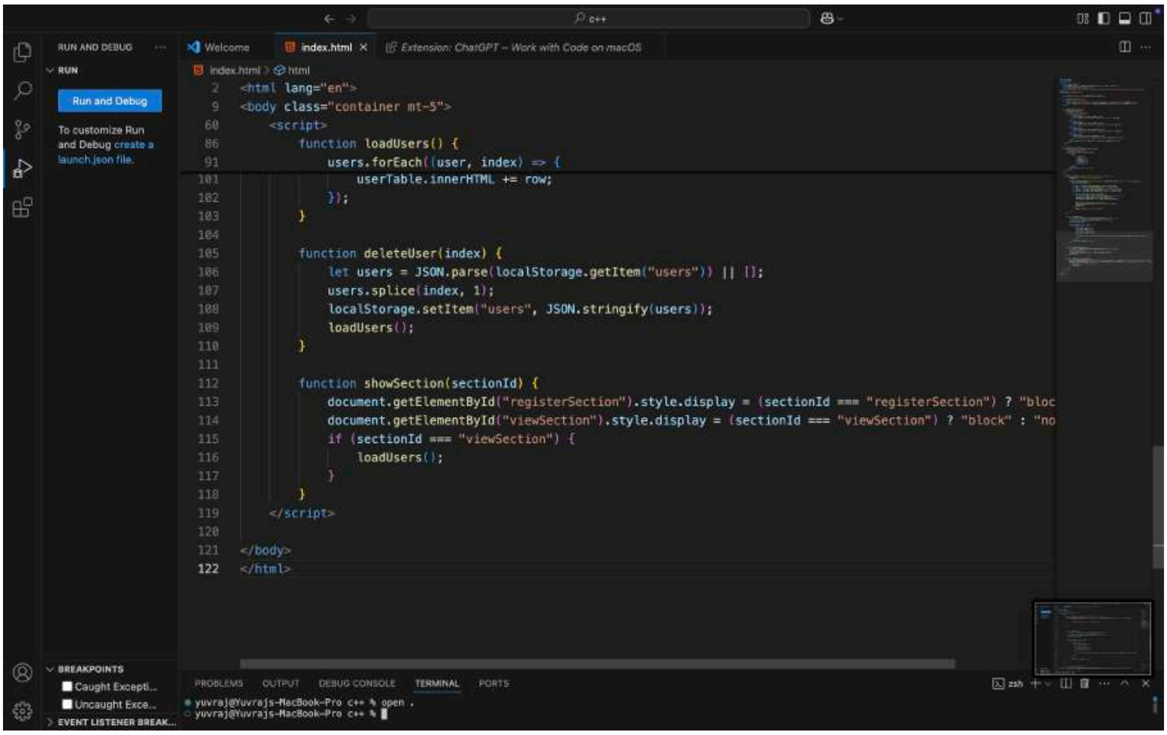
```
<html lang="en">
<body class="container mt-5">
    <div id="viewSection" style="display: none;">
        </table>
    </div>

    <script>
        document.addEventListener("DOMContentLoaded", function () {
            loadUsers();  // Load users on page load

            document.getElementById("registrationForm").addEventListener("submit", function (event) {
                event.preventDefault();

                let name = document.getElementById("name").value.trim();
                let email = document.getElementById("email").value.trim();
                let contact = document.getElementById("contact").value.trim();
                let address = document.getElementById("address").value.trim();

                if (name && email && contact && address) {
                    let users = JSON.parse(localStorage.getItem("users")) || [];
                    users.push({ name, email, contact, address });
                    localStorage.setItem("users", JSON.stringify(users));

                    alert("User registered successfully!");
                    document.getElementById("registrationForm").reset();
                    loadUsers();
                } else {
                    alert("Please fill in all fields!");
                }
            });
        });

```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```



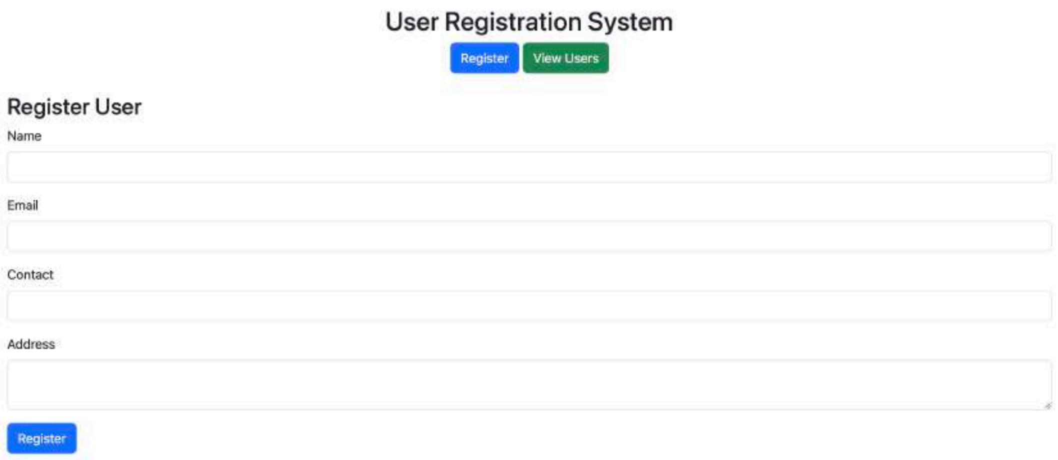
```
<html lang="en">
<body class="container mt-5">
    <script>
        document.addEventListener("DOMContentLoaded", function () {
            document.getElementById("registrationForm").addEventListener("submit", function (event) {
                } else {
                    alert("Please fill in all fields!");
                }
            });
        });

        function loadUsers() {
            let users = JSON.parse(localStorage.getItem("users")) || [];
            let userTable = document.getElementById("userTable");
            userTable.innerHTML = "";

            users.forEach((user, index) => {
                let row = `<tr>
                    <td>${user.name}</td>
                    <td>${user.email}</td>
                    <td>${user.contact}</td>
                    <td>${user.address}</td>
                    <td>
                        <button class="btn btn-danger btn-sm" onclick="deleteUser(${index})">Delete</button>
                    </td>
                </tr>`;
                userTable.innerHTML += row;
            });
        }

        function deleteUser(index) {
            let users = JSON.parse(localStorage.getItem("users")) || [];
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % 
```



```
<html lang="en">
<body class="container mt-5">
    <script>
        function loadUsers() {
            users.forEach((user, index) => {
                userTable.innerHTML += row;
            });
        }

        function deleteUser(index) {
            let users = JSON.parse(localStorage.getItem("users")) || [];
            users.splice(index, 1);
            localStorage.setItem("users", JSON.stringify(users));
            loadUsers();
        }

        function showSection(sectionId) {
            document.getElementById("registerSection").style.display = (sectionId === "registerSection") ? "bloc
            document.getElementById("viewSection").style.display = (sectionId === "viewSection") ? "block" : "no
            if (sectionId === "viewSection") {
                loadUsers();
            }
        }
    </script>

</body>
</html>
```

```
yuvraj@Yuvrajs-MacBook-Pro c++ % open .
yuvraj@Yuvrajs-MacBook-Pro c++ % ▮
```



User Registration System

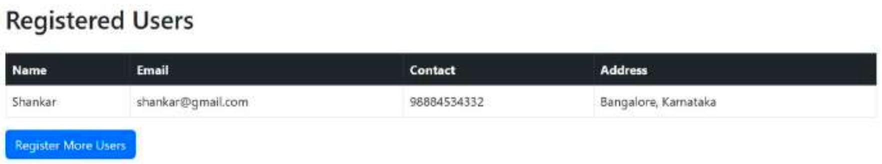
Register User

Name

Email

Contact

Address



Registered Users

Name	Email	Contact	Address
Shankar	shankar@gmail.com	98884534332	Bangalore, Karnataka