**Assignment 2**

CODE:

index.html

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Assignment2</title>

    <link rel="stylesheet" href="style.css">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN" crossorigin="anonymous">

</head>

<body>

  <form class="text-center" id="registrationForm">

    <div>

        <h2>Registration form</h2>

    </div>

    <div>

        Username <input type="text" class="form-control" id="Username" placeholder="Username">

    </div>

    <hr>

    <div>

        <label for="exampleInputEmail1">Email address</label>

        <input type="email" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Enter email">

    </div>

    <hr>

    <div>

        <label for="exampleInputPassword1">Password</label>

        <input type="password" class="form-control" id="Password" placeholder="Password">

    </div>

    <hr>

    <div id="language">

        Select Languages<br>

        <div class="form-check form-check-inline">

            <input class="form-check-input" type="checkbox" id="inlineCheckbox1" value="option1">

            <label class="form-check-label" for="inlineCheckbox1">English</label>

        </div>

        <div class="form-check form-check-inline">

            <input class="form-check-input" type="checkbox" id="inlineCheckbox2" value="option2">

            <label class="form-check-label" for="inlineCheckbox2">Marathi</label>

        </div>

        <div class="form-check form-check-inline">

            <input class="form-check-input" type="checkbox" id="inlineCheckbox3" value="option3">

            <label class="form-check-label" for="inlineCheckbox2">Hindi</label>

        </div>

    </div>

    <hr>

    <div class="form-group" id="country">

        <label for="exampleFormControlSelect1">Select Country</label>

        <select class="form-control" id="exampleFormControlSelect1">

            <option>India</option>

            <option>US</option>

            <option>UK</option>

            <option>China</option>

            <option>Russia</option>

        </select>

    </div>

    <hr>

    <div id="gender">

        Select Gender<br>

        <div class="form-check form-check-inline">

            <input class="form-check-input" type="radio" name="gender" id="male" value="Male" checked>

            <label class="form-check-label" for="male">Male</label>

        </div>

        <div class="form-check form-check-inline">

            <input class="form-check-input" type="radio" name="gender" id="female" value="Female">

            <label class="form-check-label" for="female">Female</label>

        </div>

    </div>

    <hr>

    <div id="address">

        <label for="inputAddress">Address</label>

        <input type="text" class="form-control" id="inputAddress" placeholder="1234 Main St">

    </div>

    <hr>

    <div id="pincode">

        <label for="inputZip">Zip</label>

        <input type="text" class="form-control" id="inputZip" placeholder="Enter pincode">

    </div>

    <hr>

    <div id="About">

        <p><label for="w3review">About:</label></p>

        <textarea id="w3review" name="w3review" rows="4" cols="50" placeholder="Enter text here"></textarea>

    </div>

    <div>

        <button type="button" class="button" onclick="validateForm()">Submit</button>

    </div>

  </form>

  <script src="script.js"></script>

</body>

</html>

style.css

body {

background-image: url('https://th.bing.com/th/id/OIP.GbMboU-krQvdIrfKgWpzXgHaFj?rs=1&pid=ImgDetMain');

    background-size: cover;

    background-repeat: no-repeat;

    margin: 0;

    font-family: Arial, sans-serif;

}

form {

    max-width: 600px;

    margin: 50px auto;

    padding: 20px;

    background-color: rgba(255, 255, 255, 0.8);

    border-radius: 10px;

    display: flex;

    flex-direction: column;

    }

.button {

        background-color: #007bff;

        color: #fff;

        border: none;

        padding: 10px 20px;

        border-radius: 5px;

        cursor: pointer;

        margin-top: 10px;

    }

script.js

function validateForm() {

    var username = document.getElementById('Username').value;

    var email = document.getElementById('exampleInputEmail1').value;

    var password = document.getElementById('Password').value;

    var languages = document.querySelectorAll('#language input[type="checkbox"]:checked');

    var country = document.getElementById('exampleFormControlSelect1').value;

    var gender = document.querySelector('#gender input[name="gender"]:checked');

    var address = document.getElementById('inputAddress').value;

    var pincode = document.getElementById('inputZip').value;

    var about = document.getElementById('w3review').value;

    if (validateUsername(username) &&

        validateEmail(email) &&

        validatePassword(password) &&

        validateLanguages(languages) &&

        validateCountry(country) &&

        validateGender(gender) &&

        validateAddress(address) &&

        validatePincode(pincode) &&

        validateAbout(about)) {

        alert('Form validation passed. You can proceed with submission.');

    }

}

function validateUsername(username) {

    if (username.trim() === '') {

        alert('Please enter a username.');

        return false;

    }

    return true;

}

function validateEmail(email) {

    var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

    if (!emailRegex.test(email)) {

        alert('Please enter a valid email address.');

        return false;

    }

    return true;

}

function validatePassword(password) {

    var passwordRegex = /^(?=.\*[!@#$%^&\*()\_+\-=\[\]{};':"\\|,.<>\/?])(?=.\*[A-Z])(?=.\*[a-z])(?=.\*\d).{8,}$/;

    if (!passwordRegex.test(password)) {

        alert('Password must contain at least 1 special character, 1 uppercase letter, 1 lowercase letter, and 1 digit.');

        return false;

    }

    if (password.length < 8) {

        alert('Password must be at least 8 characters long.');

        return false;

    }

    return true;

}

function validateLanguages(languages) {

    if (languages.length === 0) {

        alert('Please select at least one language.');

        return false;

    }

    return true;

}

function validateCountry(country) {

    if (country === '') {

        alert('Please select a country.');

        return false;

    }

    return true;

}

function validateGender(gender) {

    if (!gender) {

        alert('Please select a gender.');

        return false;

    }

    return true;

}

function validateAddress(address) {

    if (address.trim() === '') {

        alert('Please enter an address.');

        return false;

    }

    return true;

}

function validatePincode(pincode) {

    var pincodeRegex = /^\d{6}$/;

    if (!pincodeRegex.test(pincode)) {

        alert('Please enter a valid 6-digit pincode.');

        return false;

    }

    return true;

}

function validateAbout(about) {

    if (about.trim() === '') {

        alert('Please provide information about yourself.');

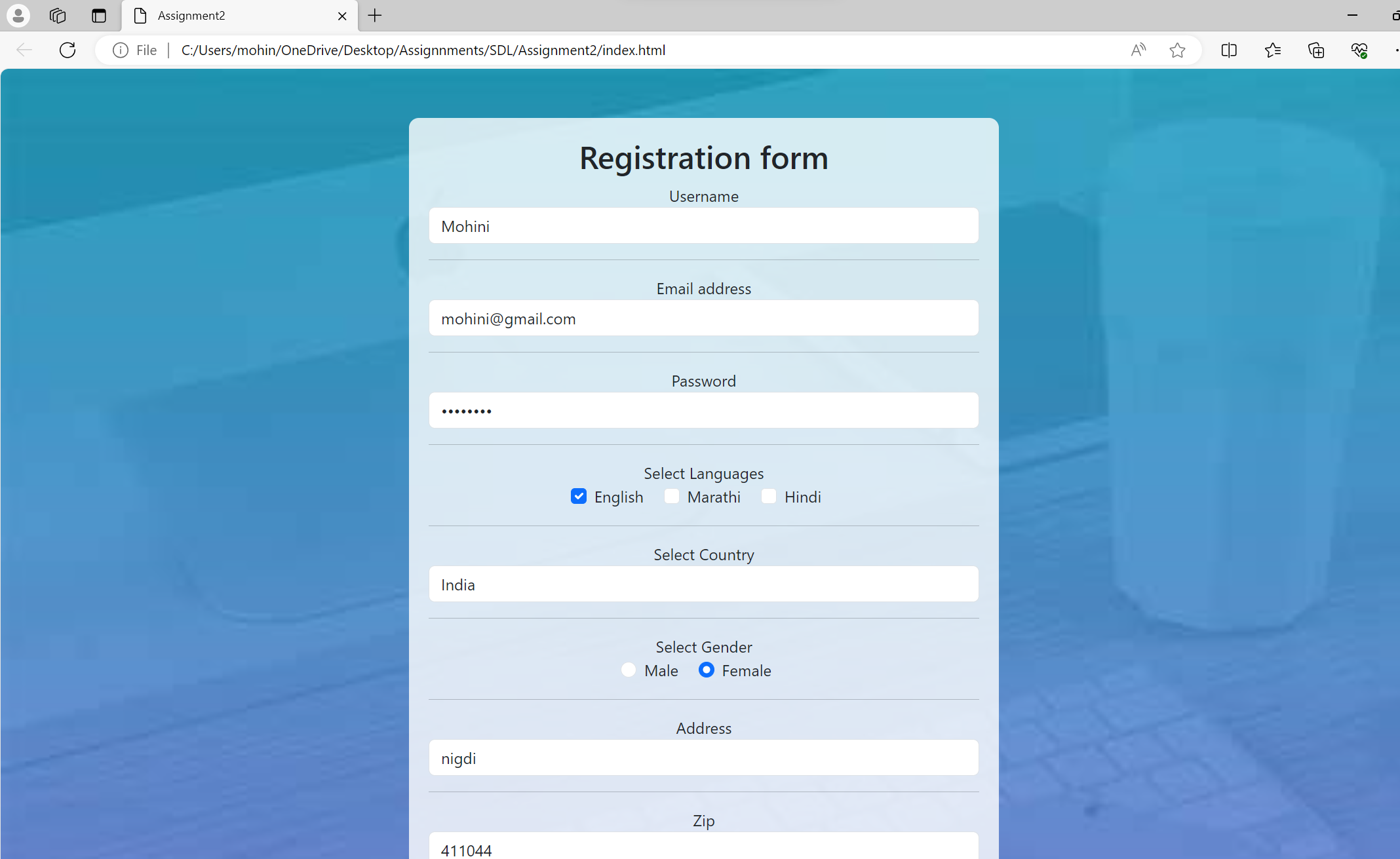
        return false;

    }

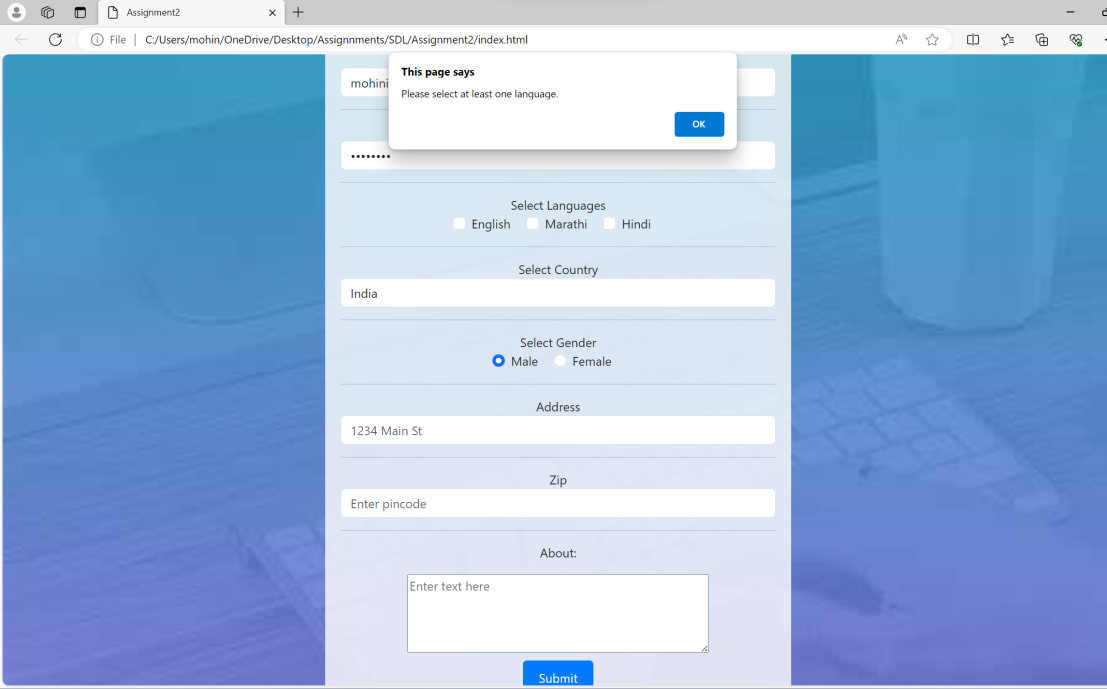
    return true;

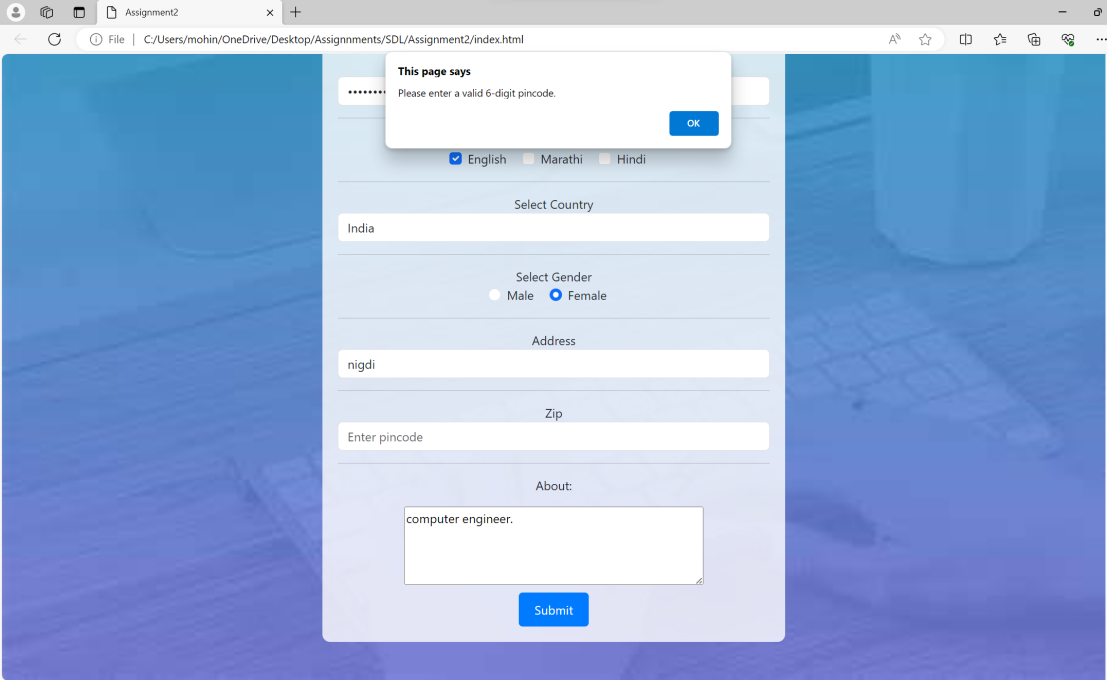
}

OUTPUT:

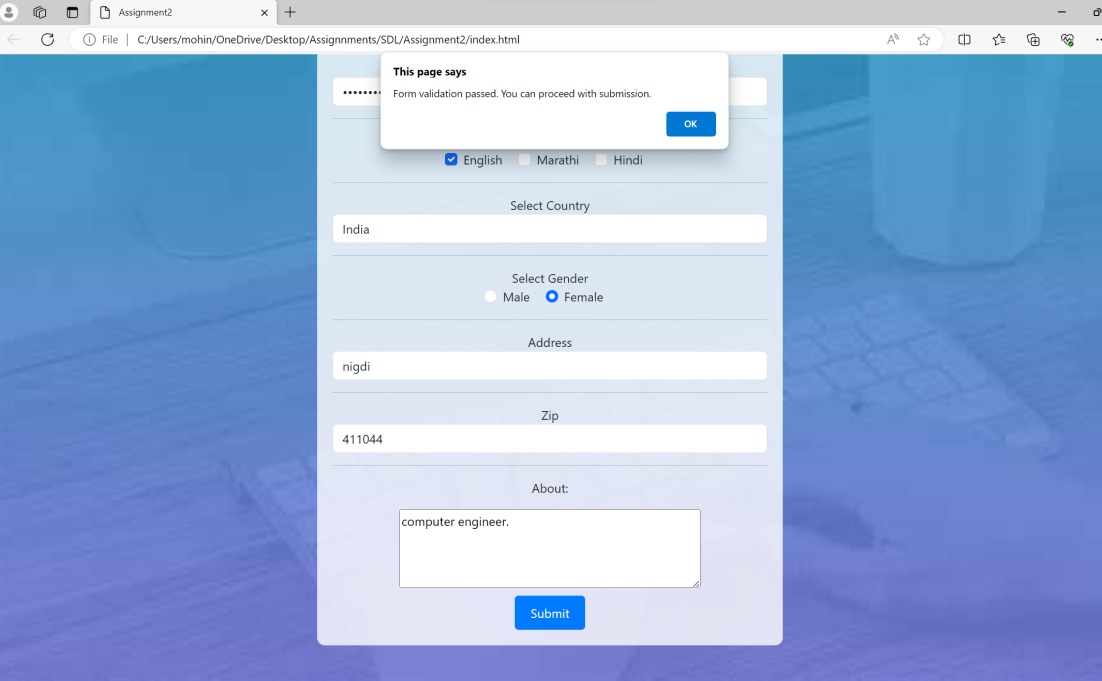


Registration form





Shows alert if any field is not appropriately filled of not filled



If all fields are filled appropriately then only it will be continue further