**Experiment-1**

**Objective:** Design the static web page required for an online book store website.

**Source Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Black Jacket Books</title>

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

</head>

<body>

<header>

<div class="logoHeader" style="background-color: white;">

<img src="./assests/logo.jpg" alt="">

</div>

<div class="navHeader">

<div class="headerHeading" style="font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif, 'Arial Narrow', Arial, sans-serif, Times, serif; font-style: bold; font-size: 30px;">Black Jacket Books</div>

</div>

</header>

<nav>

<ul>

<li style="width: 16.89%; border-right: 2px solid black;"><a href="/home.html">Home</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/login.html">Login</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/register.html">Register</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/catalogue.html">Catalogue</a></li>

<li style="width: 21%;"><a href="/cart.html">Cart</a></li>

</ul>

</nav>

<div class="content">

<div class="sidebar">

<ul>

<li><a href="./departments/cse.html">CSE</a></li>

<li><a href="./departments/ece.html">ECE</a></li>

<li><a href="./departments/eee.html">EEE</a></li>

<li><a href="./departments/civil.html">CIVIL</a></li>

</ul>

</div>

<div class="workArea" style="color: rgb(0, 0, 0); background-color: aquamarine; display: flex;

justify-content: center; align-items: center; flex-direction: column; padding: 20px; font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;">

<h1>Welcome to Black Jacket</h1>

<h3 style="text-align: center;">Embark on literary journeys with Black Jacket Books,

where each story unfolds in the elegance of ink and imagination.

Elevate your reading experience with our curated collection of timeless tales</h3>

</div>

</div>

</body>

</html>

**Output:**

****

**Experiment-2**

**Objective:** Write an HTML program to Design a Login page with user name and password.

**Source Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Black Jacket Books</title>

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

</head>

<body>

<header>

<div class="logoHeader" style="background-color: white;">

<img src="./assests/logo.jpg" alt="">

</div>

<div class="navHeader">

<div class="headerHeading" style="font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif, 'Arial Narrow', Arial, sans-serif, Times, serif; font-style: bold; font-size: 30px;">Black Jacket Books</div>

</div>

</header>

<nav>

<ul>

<li style="width: 16.89%; border-right: 2px solid black;"><a href="/home.html">Home</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/login.html">Login</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/register.html">Register</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/catalogue.html">Catalogue</a></li>

<li style="width: 21%;"><a href="/cart.html">Cart</a></li>

</ul>

</nav>

<div class="content">

<div class="sidebar">

<ul>

<li><a href="./departments/cse.html">CSE</a></li>

<li><a href="./departments/ece.html">ECE</a></li>

<li><a href="./departments/eee.html">EEE</a></li>

<li><a href="./departments/civil.html">CIVIL</a></li>

</ul>

</div>

<div class="workArea" style="color: rgb(0, 0, 0); background-color: aquamarine; display: flex;

justify-content: center; align-items: center; flex-direction: column; padding: 20px; font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;">

<h2>Login Page</h2>

<div class="username" style="display: flex; font-size: 15px;">

<label for="username" style="margin-top: 10px; margin-right: 25px;">UserName: </label>

<input for="username" style="margin-top: 10px;">

</div>

<div class="password" style="display: flex; font-size: 15px;">

<label for="password" style="margin-top: 10px; margin-right: 33px;">Password: </label>

<input for="Password" style="margin-top: 10px;">

</div>

<div class="password" style="display: flex; font-size: 15px; margin-top: 20px;">

<button style="border: 2px solid black; padding-bottom: 10px; padding-left: 20px; padding-right: 20px; margin-right: 30px; background-color: azure; padding-top: 10px; color: red; font-size: 15px;">Submit</button>

<button style="border: 2px solid black; padding-bottom: 10px; padding-left: 20px; padding-right: 20px; margin-right: 30px; background-color: azure;padding-top: 10px; color: red; font-size: 15px;">Reset</button>

</div>

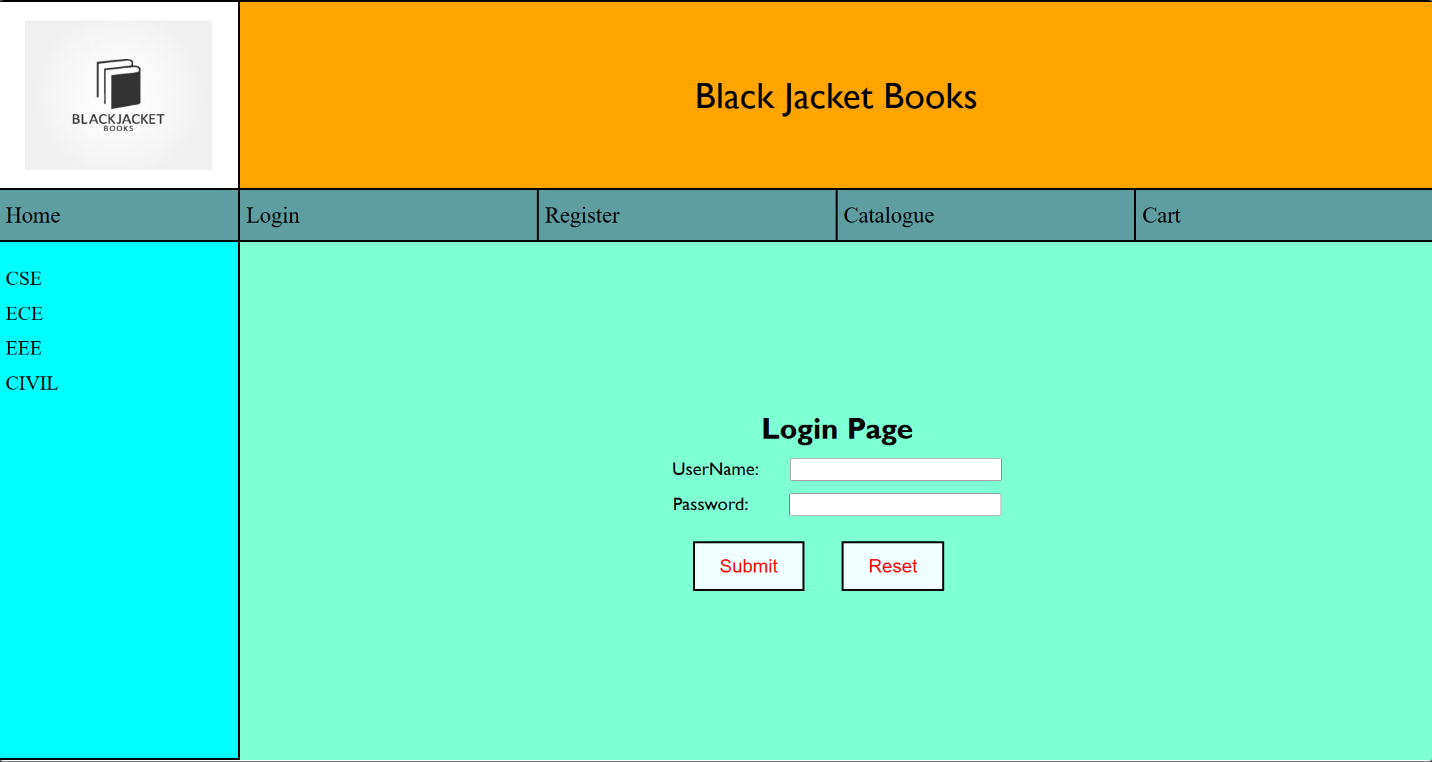
</div>

</div>

</body>

</html>

**Output:**

****

**Experiment-3**

**Objective:** Design a web page for catalogue that should contain the details of all the books available in the website.

**Source Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Black Jacket Books</title>

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

</head>

<body>

<header>

<div class="logoHeader" style="background-color: white;">

<img src="./assests/logo.jpg" alt="">

</div>

<div class="navHeader">

<div class="headerHeading"

style="font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif, 'Arial Narrow', Arial, sans-serif, Times, serif; font-style: bold; font-size: 30px;">

Black Jacket Books</div>

</div>

</header>

<nav>

<ul>

<li style="width: 16.6%; border-right: 2px solid black;"><a href="/home.html">Home</a></li>

<li style="width: 20.5%;border-right: 2px solid black;"><a href="/login.html">Login</a></li>

<li style="width: 21.5%;border-right: 2px solid black;"><a href="/register.html">Register</a></li>

<li style="width: 21.5%;border-right: 2px solid black;"><a href="/catalogue.html">Catalogue</a></li>

<li style="width: 15%;"><a href="/cart.html">Cart</a></li>

</ul>

</nav>

<div class="content">

<div class="sidebar" style="width: 19.9%">

<ul>

<li><a href="./departments/cse.html">CSE</a></li>

<li><a href="./departments/ece.html">ECE</a></li>

<li><a href="./departments/eee.html">EEE</a></li>

<li><a href="./departments/civil.html">CIVIL</a></li>

</ul>

</div>

<div class="workArea"

style="color: rgb(0, 0, 0); background-color: aquamarine; display: flex; font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;">

<table style="align-items: center; width: -webkit-fill-available; border-collapse: collapse;">

<tr style="text-align: center;">

<td style="border-right: 2px solid black; width: 24.7%;"><img src="./assests/book1.jpeg" alt=""

style="height: 150px;"></td>

<td style="border-right: 2px solid black; width: 26%; padding: 10px;">

<p>Book: Data Structures and Algorithm in Java</p>

<p>Author: Roberto Temmesia</p>

<p>Publication: Wiley</p>

</td>

<td style="border-right: 2px solid black; width: 26%;">

<p>$40.6</p>

</td>

<td style=" justify-content: center;

display: flex; align-items: center;">

<div style="background-color: yellow ;border: 2px solid black;

border-radius: 25px;

padding: 10px;

text-align: center;

display: flex;

justify-content: center;

align-items: center;

gap: 20px;

width: 140px;

height: 15px; margin-top: 85px;"><svg width="24" height="24" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M8 16L16.7201 15.2733C19.4486 15.046 20.0611 14.45 20.3635 11.7289L21 6" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

<path d="M6 6H22" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

<circle cx="6" cy="20" r="2" stroke="#141B34" stroke-width="1.5"/>

<circle cx="17" cy="20" r="2" stroke="#141B34" stroke-width="1.5"/>

<path d="M8 20L15 20" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

<path d="M2 2H2.966C3.91068 2 4.73414 2.62459 4.96326 3.51493L7.93852 15.0765C8.08887 15.6608 7.9602 16.2797 7.58824 16.7616L6.63213 18" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

</svg>

Add to cart</div>

</td>

</tr>

<tr style="text-align: center;">

<td style="border-right: 2px solid black; width: 24%;"><img src="./assests/book2.jpg" alt=""

style="height: 160px;"></td>

<td style="border-right: 2px solid black; width: 26%;padding: 10px;">

<p>Book: Web Development</p>

<p>Author: Andy Vickler</p>

<p>Publication: Andy Vickler</p>

</td>

<td style="border-right: 2px solid black; width: 26%;">

<p>$69</p>

</td>

<td style=" justify-content: center;

display: flex; align-items: center;">

<div style="background-color: yellow;border: 2px solid black;border-radius: 25px;padding: 10px;text-align: center;

display: flex;

justify-content: center;

align-items: center;

gap: 20px;

width: 140px;

height: 15px; margin-top: 85px;"><svg width="24" height="24" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M8 16L16.7201 15.2733C19.4486 15.046 20.0611 14.45 20.3635 11.7289L21 6" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

<path d="M6 6H22" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

<circle cx="6" cy="20" r="2" stroke="#141B34" stroke-width="1.5"/>

<circle cx="17" cy="20" r="2" stroke="#141B34" stroke-width="1.5"/>

<path d="M8 20L15 20" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

<path d="M2 2H2.966C3.91068 2 4.73414 2.62459 4.96326 3.51493L7.93852 15.0765C8.08887 15.6608 7.9602 16.2797 7.58824 16.7616L6.63213 18" stroke="#141B34" stroke-width="1.5" stroke-linecap="round"/>

</svg>Add to cart</div>

</td>

</tr>

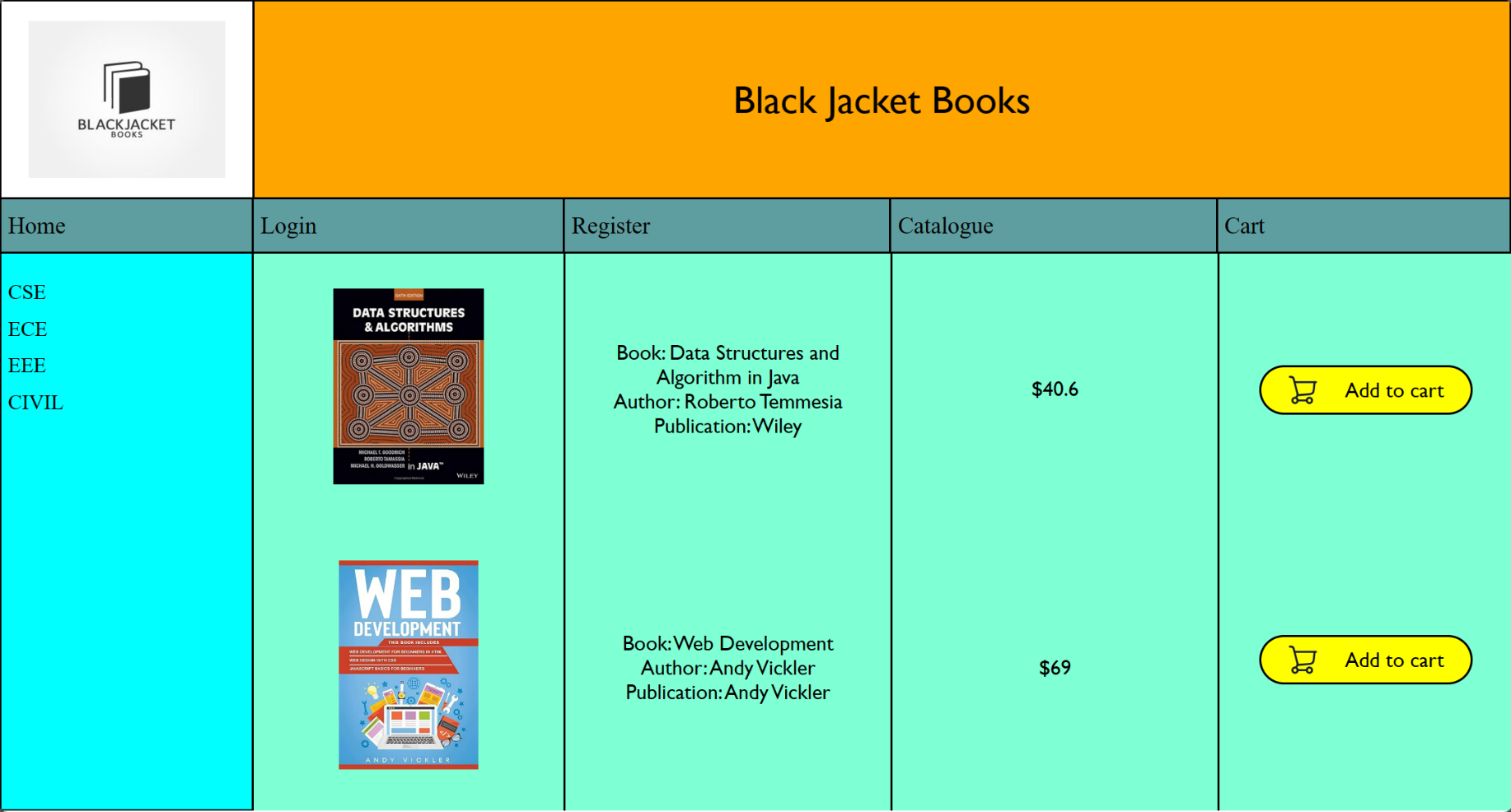
</table>

</div>

</body>

</html>

**Output:**

****

**Experiment-4**

**Objective**: Design a web page that have contain cart page having the details about the books which are added to the cart.

**Source Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Black Jacket Books</title>

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

</head>

<body>

<header>

<div class="logoHeader" style="background-color: white">

<img src="./assests/logo.jpg" alt="" />

</div>

<div class="navHeader">

<div class="headerHeading" style="

font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS',

sans-serif, 'Arial Narrow', Arial, sans-serif, Times, serif;

font-style: bold;

font-size: 30px;

">

Black Jacket Books

</div>

</div>

</header>

<nav>

<ul>

<li style="width: 16.89%; border-right: 2px solid black">

<a href="/home.html">Home</a>

</li>

<li style="width: 21%; border-right: 2px solid black">

<a href="/login.html">Login</a>

</li>

<li style="width: 21%; border-right: 2px solid black">

<a href="/register.html">Register</a>

</li>

<li style="width: 21%; border-right: 2px solid black">

<a href="/catalogue.html">Catalogue</a>

</li>

<li style="width: 21%"><a href="/cart.html">Cart</a></li>

</ul>

</nav>

<div class="content">

<div class="sidebar">

<ul>

<li><a href="./departments/cse.html">CSE</a></li>

<li><a href="./departments/ece.html">ECE</a></li>

<li><a href="./departments/eee.html">EEE</a></li>

<li><a href="./departments/civil.html">CIVIL</a></li>

</ul>

</div>

<div class="workArea" style="

color: rgb(0, 0, 0);

background-color: aquamarine;

align-items: center;

flex-direction: column;

padding: 20px;

font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS',

sans-serif;

">

<table style="width: -webkit-fill-available; text-align: center;padding-left: 0%;">

<tr style="font-size: 18px; font-weight:600;">

<td>Book Name</td>

<td>Price</td>

<td>Quantity</td>

<td>Amount</td>

</tr>

<td>Java-2</td>

<td>$50.5</td>

<td>2</td>

<td>$101</td>

</tr>

<tr>

<td>Data Structures in Java</td>

<td>$40.6</td>

<td>1</td>

<td>$40.6</td>

</tr>

</tr>

<td>Web Development</td>

<td>$69</td>

<td>1</td>

<td>$69</td>

</tr>

<tr style="margin-top: 40px;">

<td style="font-weight: 600;">

Total Amount:

</td>

<td style="font-weight: 600;">

210.6

</td>

</tr>

</table>

</div>

</div>

</body>

</html>

**Output:**

****

**Experiment-5**

**Objective**: Create a“ registration form“ with the following fields

1)Name (Text field)

2)Password (password field)

3) E-mailid(text field)

4) Phone Number(text field)

5) Sex(radio button)

6) Date of birth(3 select boxes)

7) Languages known(checkboxes–English, Telugu, Hindi, Tamil)

8) Address(text area)

**Source Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Black Jacket Books</title>

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

</head>

<body>

<header>

<div class="logoHeader" style="background-color: white;">

<img src="./assests/logo.jpg" alt="">

</div>

<div class="navHeader">

<div class="headerHeading"

style="font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif, 'Arial Narrow', Arial, sans-serif, Times, serif; font-style: bold; font-size: 30px;">

Black Jacket Books</div>

</div>

</header>

<nav>

<ul>

<li style="width: 16.89%; border-right: 2px solid black;"><a href="/home.html">Home</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/login.html">Login</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/register.html">Register</a></li>

<li style="width: 21%; border-right: 2px solid black;"><a href="/catalogue.html">Catalogue</a></li>

<li style="width: 21%;"><a href="/cart.html">Cart</a></li>

</ul>

</nav>

<div class="content">

<div class="sidebar">

<ul>

<li><a href="./departments/cse.html">CSE</a></li>

<li><a href="./departments/ece.html">ECE</a></li>

<li><a href="./departments/eee.html">EEE</a></li>

<li><a href="./departments/civil.html">CIVIL</a></li>

</ul>

</div>

<div class="workArea"

style="color: rgb(0, 0, 0); background-color: aquamarine;

display: grid; gap: 10px; justify-content: center;

align-items: center;; padding: 20px; font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;">

<div class="username" style="display: flex; font-size: 15px; justify-content: space-between;">

<label for="username" style="margin-top: 10px; margin-right: 25px;">Name: </label>

<input placeholder="username" style="margin-top: 10px;">

</div>

<div class="email" style="display: flex; font-size: 15px;justify-content: space-between;">

<label for="email" style="margin-top: 10px; margin-right: 33px;">Email: </label>

<input placeholder="email" style="margin-top: 10px;">

</div>

<div class="password" style="display: flex; font-size: 15px;justify-content: space-between;">

<label for="password" style="margin-top: 10px; margin-right: 25px;">Password: </label>

<input placeholder="password" style="margin-top: 10px; ">

</div>

<div class="phonenumber" style="display: flex; font-size: 15px;justify-content: space-between;">

<label for="phonenumber" style="margin-top: 10px; margin-right: 25px;">PhoneNumber: </label>

<input for="phonenumber" style="margin-top: 10px;" type="number">

</div>

<div class="gender" style="display: flex; font-size: 15px;justify-content: space-between;">

<label for="gender" style="margin-top: 10px; margin-right: 55px;">Gender: </label>

<label for="gender" style="margin-top: 10px; margin-right: 5px; margin-left: 15px;;">Male: </label>

<input for="male" style="margin-top: 10px;" type="radio">

<label for="gender" style="margin-top: 10px; margin-right: 5px; margin-left: 15px;;">Female: </label>

<input for="female" style="margin-top: 10px;" type="radio">

<label for="gender" style="margin-top: 10px; margin-right: 5px; margin-left: 15px;">Other: </label>

<input for="other" style="margin-top: 10px;" type="radio">

</div>

<div class="language" style="display: flex; font-size: 15px;justify-content: space-between;">

<label for="language" style="margin-top: 10px; margin-right: 55px;">Language: </label>

<select name="language" id="lang" style="margin-top: 10px;">

<option value="select">Select Option</option>

<option value="English">English</option>

<option value="Hindi">Hindi</option>

<option value="Spanish">Spanish</option>

<option value="French">French</option>

</select>

</div>

<div class="zipcode" style="display: flex; font-size: 15px;justify-content: space-between;">

<label for="zipcode" style="margin-top: 10px; margin-right: 25px;">ZipCode: </label>

<input for="zipcode" style="margin-top: 10px;" type="number">

</div>

<div class="zipcode" style="display: flex; font-size: 15px; justify-content: space-between;">

<label for="zipcode" style="margin-top: 10px; margin-right: 25px;">About: </label>

<textarea placeholder="Write about yourself...." style="margin-top: 10px;" cols="30px" rows="4px"></textarea>

</div>

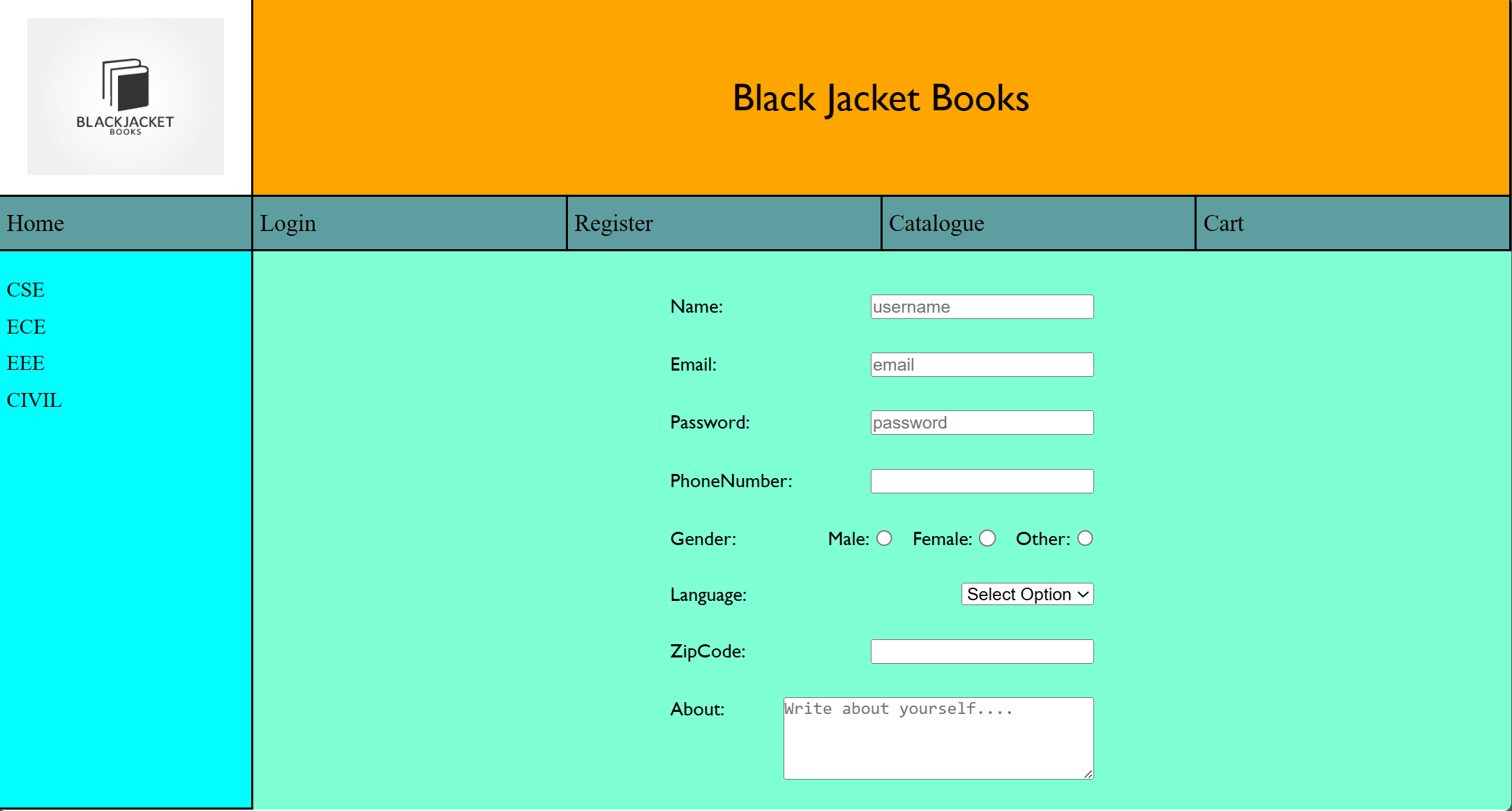
</div>

</div>

</body>

</html>

**Output:**

****

**Experiment-6**

**Objective:** Write JavaScript to validate the following fields of the above registration page.

1. Name (Name should contains alphabets and the length should not be less than 6 characters).

2. Password (Password should not be less than 6 characters length).

**Source Code:**

**JavaScript File:**

function fun(event) {

event.preventDefault(); // Prevent the form from submitting

var nameInput = document.querySelector(".username input").value;

var nameRegex = /^[a-zA-Z]{6,}$/;

if (!nameRegex.test(nameInput)) {

alert(

"Invalid Name! Please enter alphabets only and at least 6 characters."

);

return false;

}

var passwordInput = document.querySelector(".password input").value;

if (passwordInput.length < 6) {

alert("Invalid Password! Password should be at least 6 characters.");

return false;

}

alert("Form submitted successfully!");

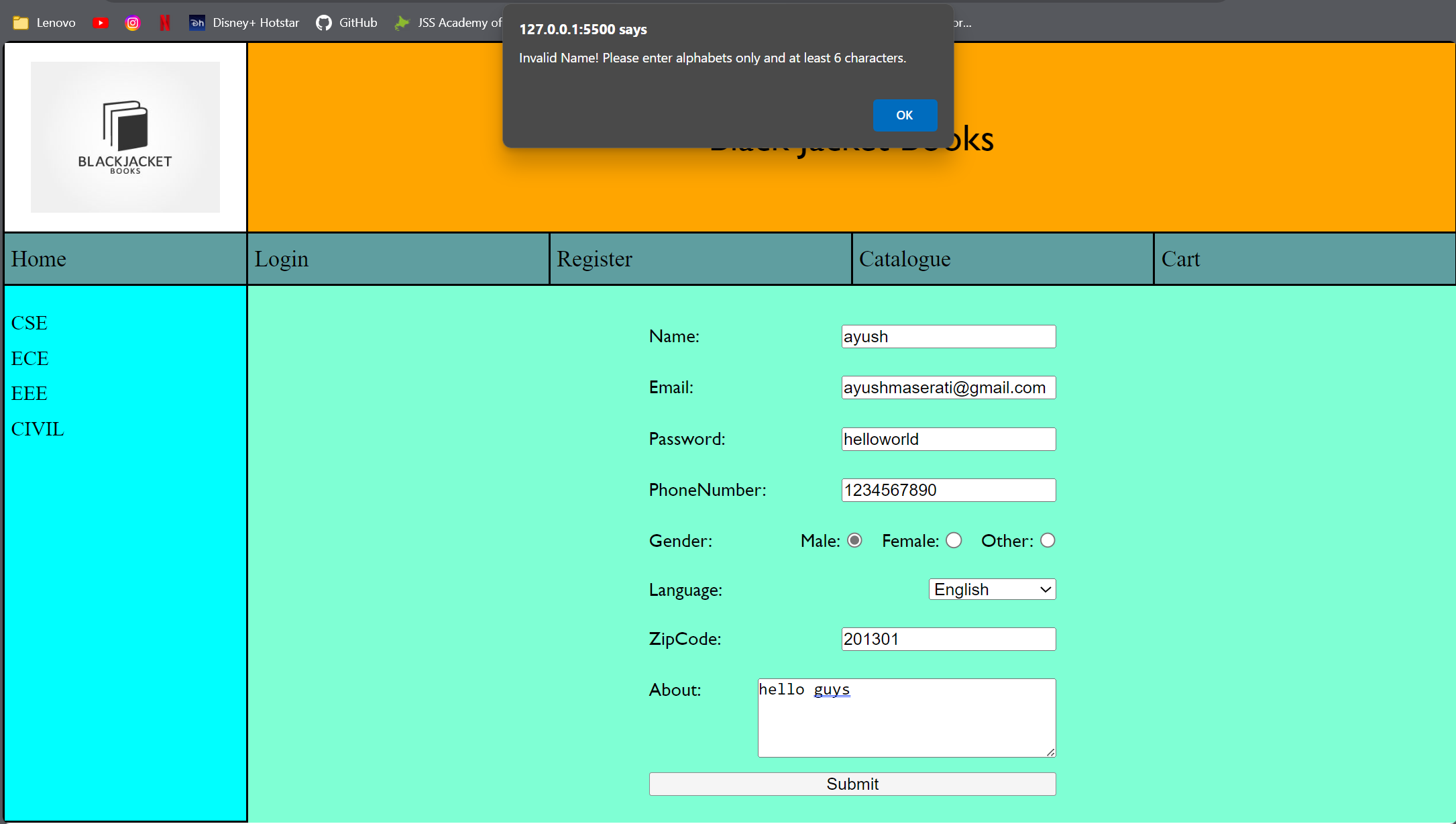
return true;

}

const button\_register = document.getElementById("submitRegister");

button\_register.addEventListener("click", fun);

**Output:**

****

**Experiment-7**

**Objective:** **:** Write JavaScript to validate the following fields of the above registration page.

• E-mailid (should not contain any invalid and must follow the standard pattern(name@domain.com)

• Phone Number(Phone number should contain 10 digits only).

**Source Code:**

function fun() {

event.preventDefault(); // Prevent the form from submitting

var emailInput = document.getElementById("email").value;

var emailRegex = /^[a-zA-Z0-9.\_-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;

if (!emailRegex.test(emailInput)) {

alert("Invalid Email! Please enter a valid email address.");

return false;

}

var phoneInput = document.getElementById("phn").value;

var phoneRegex = /^\d{10}$/;

if (!phoneRegex.test(phoneInput)) {

alert("Invalid Phone Number! Please enter a 10-digit phone number.");

return false;

}

alert("Form submitted successfully!");

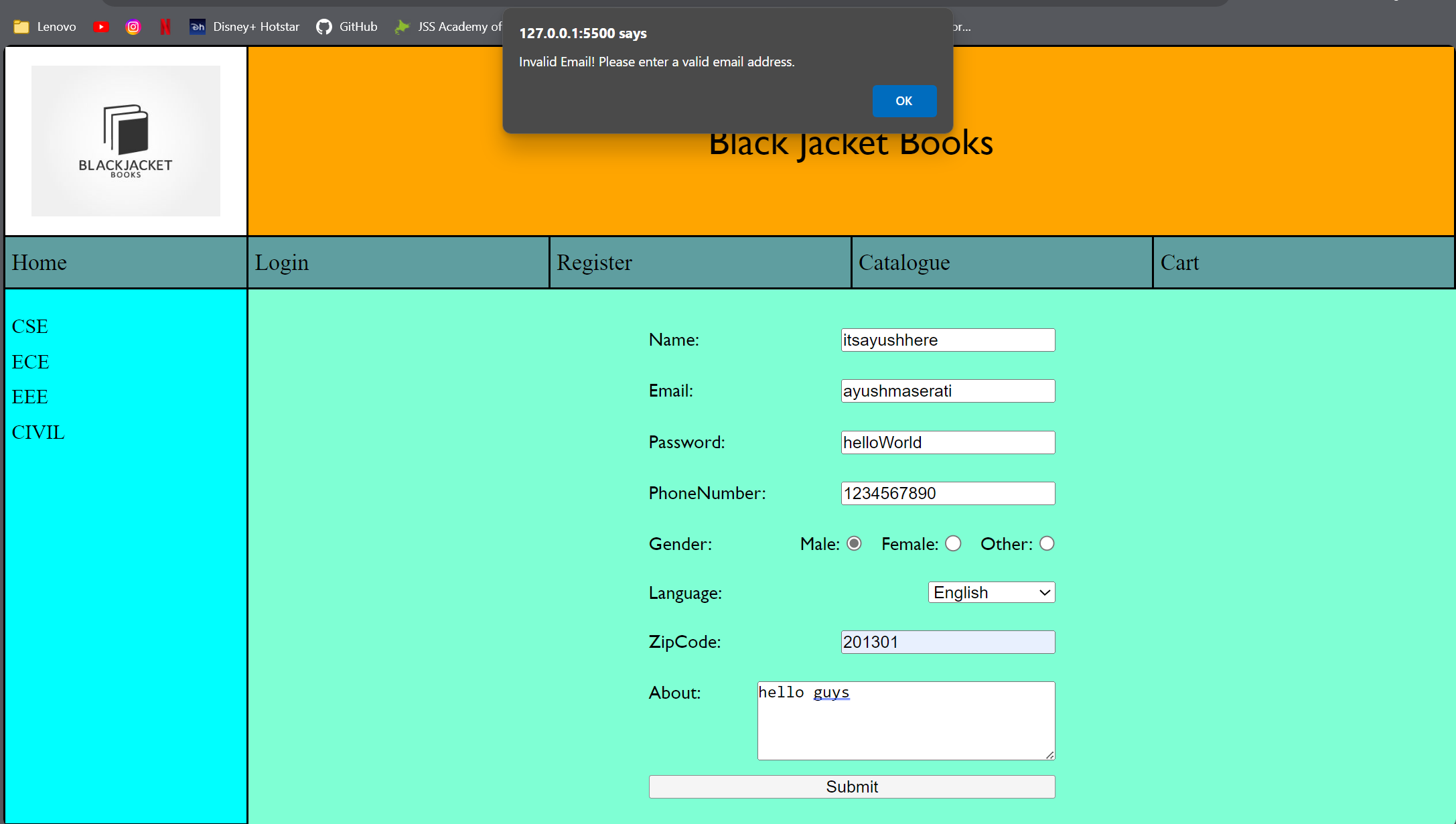
return true;

}

const button\_register = document.getElementById("submitRegister");

button\_register.addEventListener("click", fun);

**Output:**

****

**Experiment-8**

**Objective:** **:** Design a web page using CSS(Cascading Style Sheets) which includes the following:

1) Use different font styles and color.

2) Set a background image for both the page and single elements on the page.

**Source Code:**

<html>

<head>

<title>Home</title>

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

</head>

<div class="homepage">

<!-- <div class="heading">Welcome to JSS BookStore</div> -->

<font size="10px" color="blue">Welcome to JSS</font>

<br>

<br>

<font size="5px" color="red">Hello World</font>

<br>

<br>

<div class="stylee" size="6px" color="white">CSS</div>

<br>

<br>

<img src="jss.jpg" height="230" width="400" border="3">

<br>

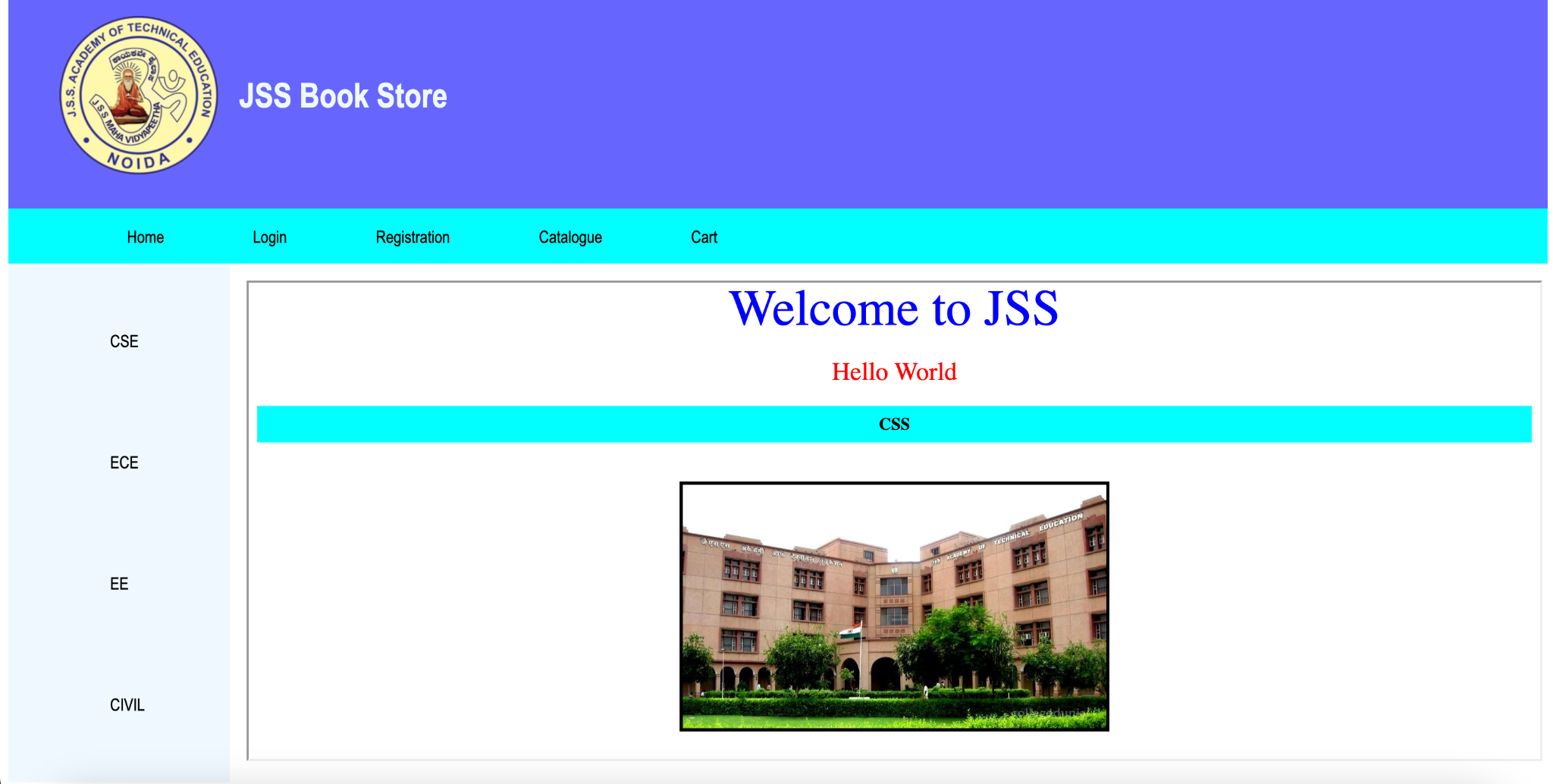
<br>

<h2><a href="IMAGE.HTML">Click Here</a></h2>

</div>

</html>

**Output:**



‘

**Experiment-9**

**Objective:**

1. Control the repetition of the image with the background-repeat property.
2. Define styles for links as
3. A:link
4. A:visited
5. A:active
6. A:hover

**Source Code:**

**HTML FILE**:

<html>

<head>

<title>Image</title>

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

</head>

<ol>

<li>

no-repeat

<div class="one">

</div>

</li>

<li>

repeat

<div class="two">

</div>

</li>

<li>

repeat-x

<div class="three">

</div>

</li>

<li>

repeat-y

<div class="four">

</div>

</li>

<li>

space

<div class="five">

</div>

</li>

<li>

round

<div class="six">

</div>

</li>

</ol>

</html>

**CSS FILE**:

ol,

li {

font-weight: bolder;

margin-left: 1rem;

padding: .5rem;

}

li {

margin-bottom: 12px;

}

.one {

background-image: url(mustang.png);

width: 250px;

height: 150px;

background-repeat: no-repeat;

}

.two {

background-image: url(mustang.png);

width: 250px;

height: 150px;

background-repeat: repeat;

}

.three {

background-image: url(mustang.png);

width: 250px;

height: 150px;

background-repeat: repeat-x;

}

.four {

background-image: url(mustang.png);

width: 250px;

height: 150px;

background-repeat: repeat-y;

}

.five {

background-image: url(mustang.png);

width: 250px;

height: 150px;

background-repeat: space;

}

.six {

background-image: url(mustang.png);

width: 250px;

height: 150px;

background-repeat: round;

}

.seven {

background-image: url(mustang.png), url(porsche.png);

background-repeat: repeat-x, repeat-y;

height: 144px;

}

a:link {

color: red;

}

a:visited {

color: green;

}

a:hover {

color: hotpink;

}

a:active {

color: blue;

}

**Output:**



**Normal Link**



**On Hover Link**

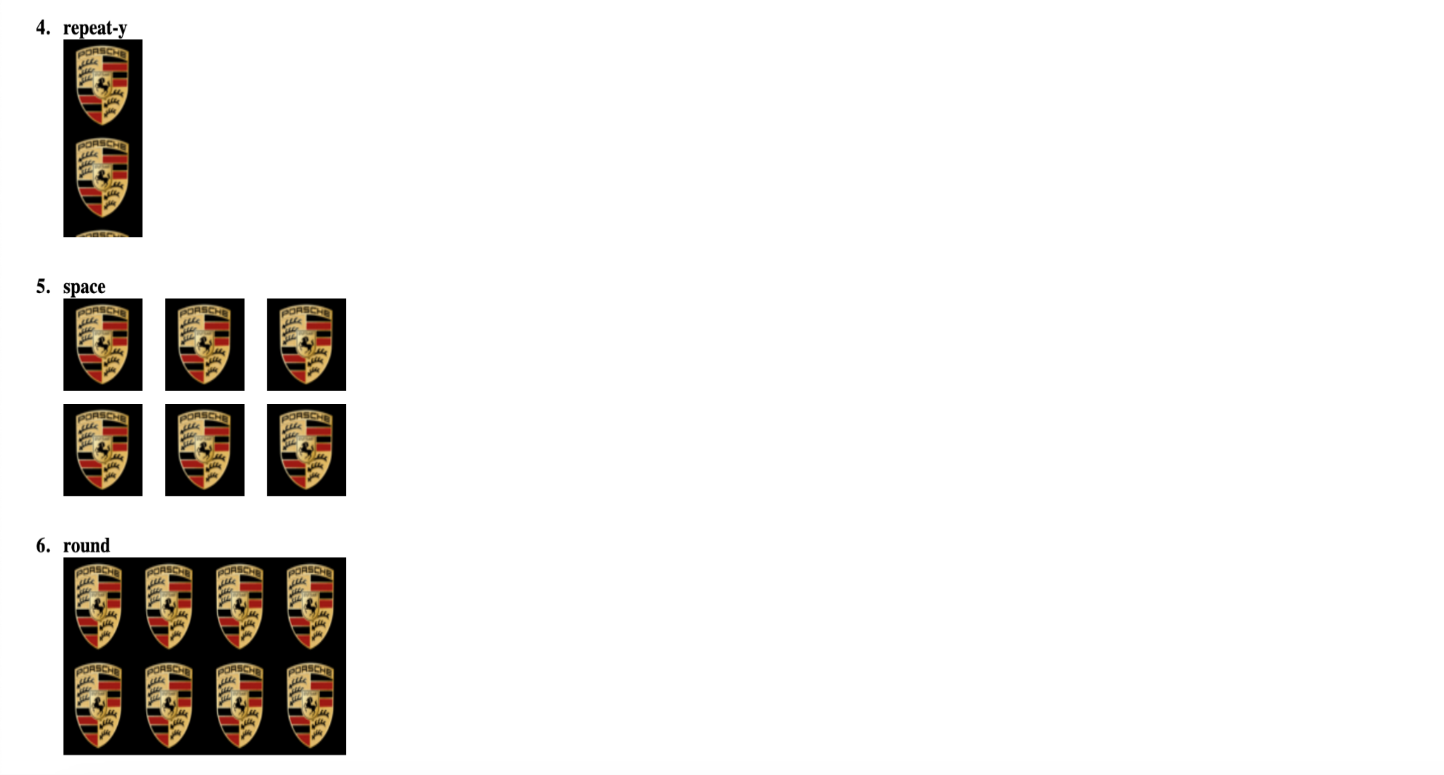


**Visited Link**



**Active Link**





**Experiment-10**

**Objective:**

Consider a small topic of your choice on which you can develop static Webpages and try to implement all topics of html, CSS and Js within the topic. Choose any one topic

3. Survey Form

**Source Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Survey Form</title>

<style>

body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

margin: 0;

padding: 0;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

}

form {

background-color: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

label {

display: block;

margin-bottom: 8px;

}

input,

select {

width: 100%;

padding: 8px;

margin-bottom: 16px;

box-sizing: border-box;

}

button {

background-color: #4caf50;

color: #fff;

padding: 10px 15px;

border: none;

border-radius: 4px;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

</style>

</head>

<body>

<form id="surveyForm" onsubmit="validateForm(); return false;">

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required>

<label>Gender:</label>

<label for="male">Male</label><input type="radio" id="male" name="gender" value="male" required>

<label for="female">Female</label><input type="radio" id="female" name="gender" value="female" required>

<label for="age">Age:</label>

<select id="age" name="age" required>

<option value="under18">Under 18</option>

<option value="18to25">18 to 25</option>

<option value="26to35">26 to 35</option>

<option value="36to50">36 to 50</option>

<option value="over50">Over 50</option>

</select>

<label>Interests:</label>

<label for="coding">Coding</label>

<input type="checkbox" id="coding" name="interests" value="coding">

<label for="reading">Reading</label>

<input type="checkbox" id="reading" name="interests" value="reading">

<label for="gaming">Gaming</label>

<input type="checkbox" id="gaming" name="interests" value="gaming">

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

</form>

<script>

function validateForm() {

var name = document.getElementById('name').value;

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

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

var age = document.getElementById('age').value;

var interests =

document.querySelectorAll('input[name="interests"]:checked');

if (!name || !email || !gender || !age || interests.length === 0) {

alert("Please fill out all fields.");

} else {

// Form submission logic (can be AJAX or other actions)

alert("Form submitted successfully!");

}

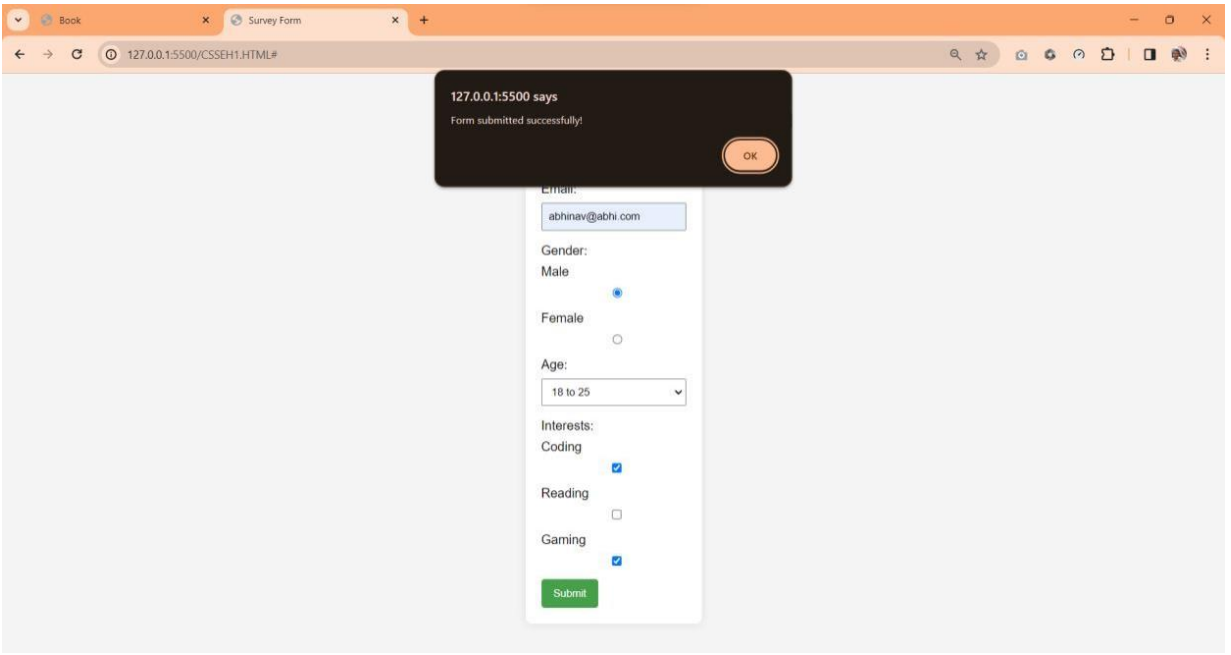
}

</script>

</body>

</html>

**Output:**

****