

NITRA TECHNICAL CAMPUS



INDEX

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Subject : Web Designing Workshop

Code: BCS353

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Experiment No. -1

Design the following static web pages required for an online books store website.

Homepage: The static home page must contain three frames.

Top frame: Logo and the college name and links to Homepage, Logig page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).

For example: When you click the link "CSE" the catalogue for CSE Books should be displayed in the Right frame. Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.

Code :-

File: index.html

```
<!DOCTYPE html>

<html>
<head>
  <title>NITRA Book Store</title>
</head>
<frameset rows="113,*" noresize>
  <frame src="header.html" />
  <frameset cols="15%,85%">
    <frame src="nav.html" />
    <frame src="welcome.html" name="content" />
  </frameset>
</frameset>
</html>
```

File: header.html

```
<!DOCTYPE html>
<html>
<body>
  <tbl
    <tr>
```

```

        <td><a href="eventlogo.html" target="content"></a></td>

    <td>
        <h1>NITRA - Online Books Store</h1>
    </td>
    <td class="searchbox">
        <input type="text" , id="search_box" , placeholder="Search Books">
        <button type="Search" id="search_button"> 
</button>
    </td>
    <td>
        <div class="profile">
            <label for="username">Guest</label>
            
        </div>
    </td>
</tr>
</table>
<table class="navbar" width="100%" border="0">
    <tr>
        <td><a href="welcome.html" target="content">Home</a></td>
        <td><a href="login.html" target="content">Login</a></td>
        <td><a href="registration.html" target="content">Registration</a></td>
        <td><a href="catalogue.html" target="content">Catalogue</a></td>
        <td><a href="cart.html" target="content">Cart</a></td>
    </tr>
</table>
</body>
</html>

```

File: nav.html

```
<!DOCTYPE html>
<html>
<body>
  <div class="section1">
    <h2>Departments</h2>
    <ul>
      <li><a href="catalogue.html#CSE" target="content">CSE</a></li>
      <li><a href="catalogue.html#ECE" target="content">ECE</a></li>
      <li><a href="catalogue.html#EEE" target="content">EEE</a></li>
      <li><a href="catalogue.html#Civil" target="content">CIVIL</a></li>
    </ul>
  </div>
  <div>
    <h4><a href="survay_form.html" target="content">Feedback</a></h4>
    <h5><a href="https://nitra.ac.in/" target="content">About</a></h5>
  </div>
</body>
</html>
```

File: welcome.html

```
<!DOCTYPE html>
<html>

<body id="book-list">
  <div>
    <ul>
      <li></li>
      <li>Java</li>
      <li>Dr.Gaurav </li>
```

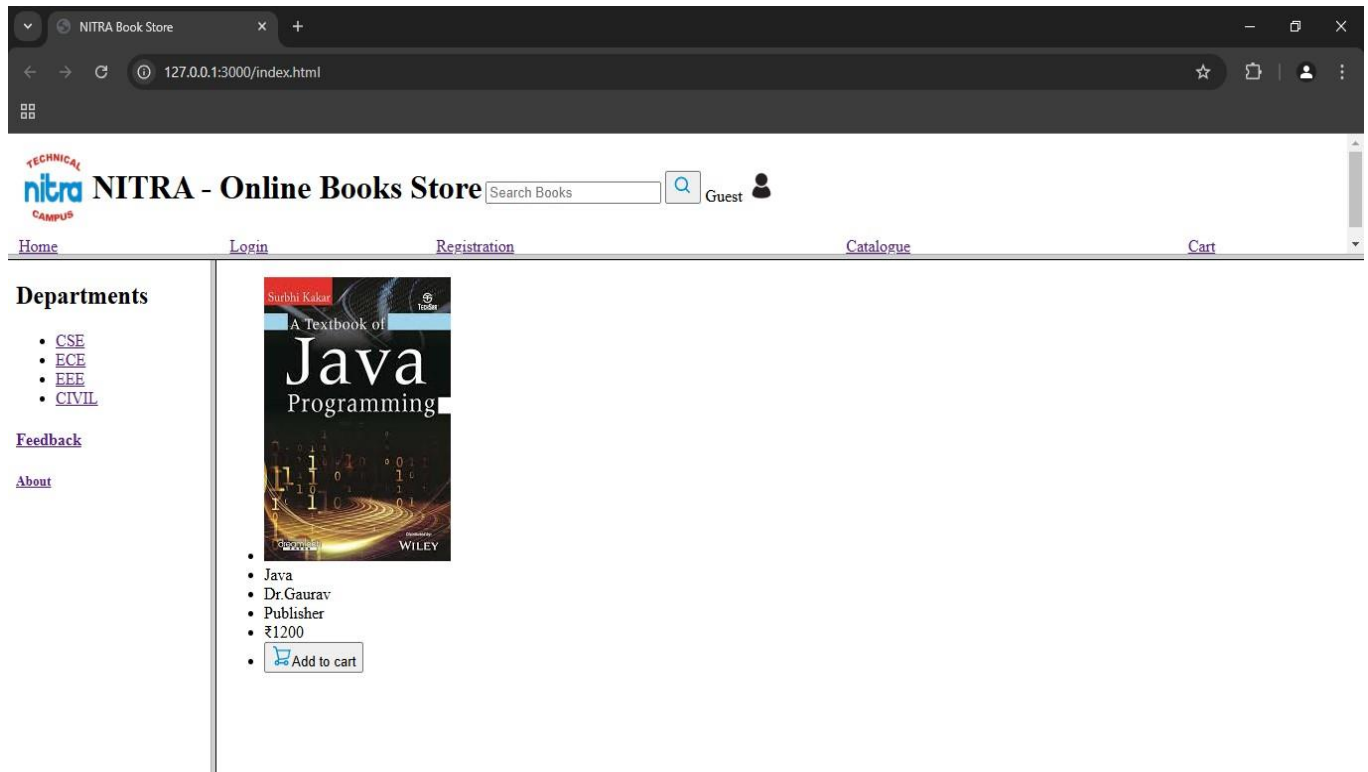
```
<li>Publisher</li>
<li>₹1200</li>
<li><button class="addbutton">Add to
cart</button></li>
</ul>
</div>

<!-- Add more -->

</body>

</html>
```

Output:



Experiment No. 2

LOGINPAGE:

This page look like below:

Login Page

User Name:

Password:

Code:

File: login.html

```
<!DOCTYPE html>
<html>
<body>
  <div>
    <h2>Login Page</h2>
    <form id="login">
      <label for="username">User Name:</label>
      <input type="text" id="username" name="username">
      <label for="password">Password:</label>
      <input type="password" id="password" name="password">
      <input type="submit" value="Login">
      <input type="reset" value="Reset">
    </form>
  </div>
</body>

</html>
```

Output:

The screenshot displays a web browser window with the address bar showing "127.0.0.1:3000/index.html". The website header includes the "NITRA - Online Books Store" logo, a search bar with the placeholder "Search Books", and a "Guest" user profile icon. The navigation menu contains links for "Home", "Login", "Registration", "Catalogue", and "Cart". On the left sidebar, under "Departments", there is a list of departments: CSE, ECE, EEE, and CIVIL. Below this list are links for "Feedback" and "About". The main content area is titled "Login Page" and features a login form with fields for "User Name" (containing the text "User") and "Password" (masked with dots). The form includes "Login" and "Reset" buttons.

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NITRA - Online Books Store

Search Books

Guest

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Departments

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Login Page

User Name: Password:

Experiment No. 3

CATALOGUE PAGE: The catalogue page should contain the details of all the books available in the website in a table. The details should contain the following:

- i. Snap shot of Cover Page
- ii. Author Name
- iii. Publisher
- iv. Price
- v. Add to cart button

Code:

File: catalogue.html

```
<!DOCTYPE html>

<html>

<body>

  <h2>Catalogue Page</h2>

  <table>

    <tr id="cse">

      <th colspan="6">CSE Department</th>

    </tr>

    <tr>

      <th>Snap Shot</th>

      <th>Book Name</th>

      <th>Author Name</th>

      <th>Publisher</th>

      <th>Price</th>

      <th>Add to cart</th>

    </tr>

    <tr>

      <td></td>

      <td>Python Programing</td>
```

```

        <td>Dr. Kavita Mittal</td>
        <td>Dhanpat Rai Co</td>
        <td>Rs 699</td>
        <td><button class="addbutton">Add to
cart</button></td>
    </tr>

    <!-- Add more rows for other books -->
</table>
</body>

</html>

```

Output:

NITRA - Online Books Store Search Books Guest

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Departments

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Catalogue Page

Snap Shot	Book Name	Author Name	Publisher	Price	Add to cart
	Python	Thomas H. Cormen	MIT Press	₹850	Add to cart
	Computer System Architecture	Stuart Russell, Peter Norvig	Pearson	₹1200	Add to cart
					

Experiment No . 4

CARTPAGE: The cart contains the details about the books which are added to the cart. The cart page should like this:

Code:

File: cart.html

```
<!DOCTYPE html>

<html>

<body>

  <h2>Your Cart</h2>

  <table>

    <thead>

      <tr>

        <th>Book</th>

        <th>Quantity</th>

        <th>Price</th>

      </tr>

    </thead>

    <tbody>

      <tr>

        <td><br>Python</td>

        <td>3</td>

        <td>₹2550</td>

      </tr>

    </tbody>

  </table>

  <h3>Total Amount: 0</h3>
```

```

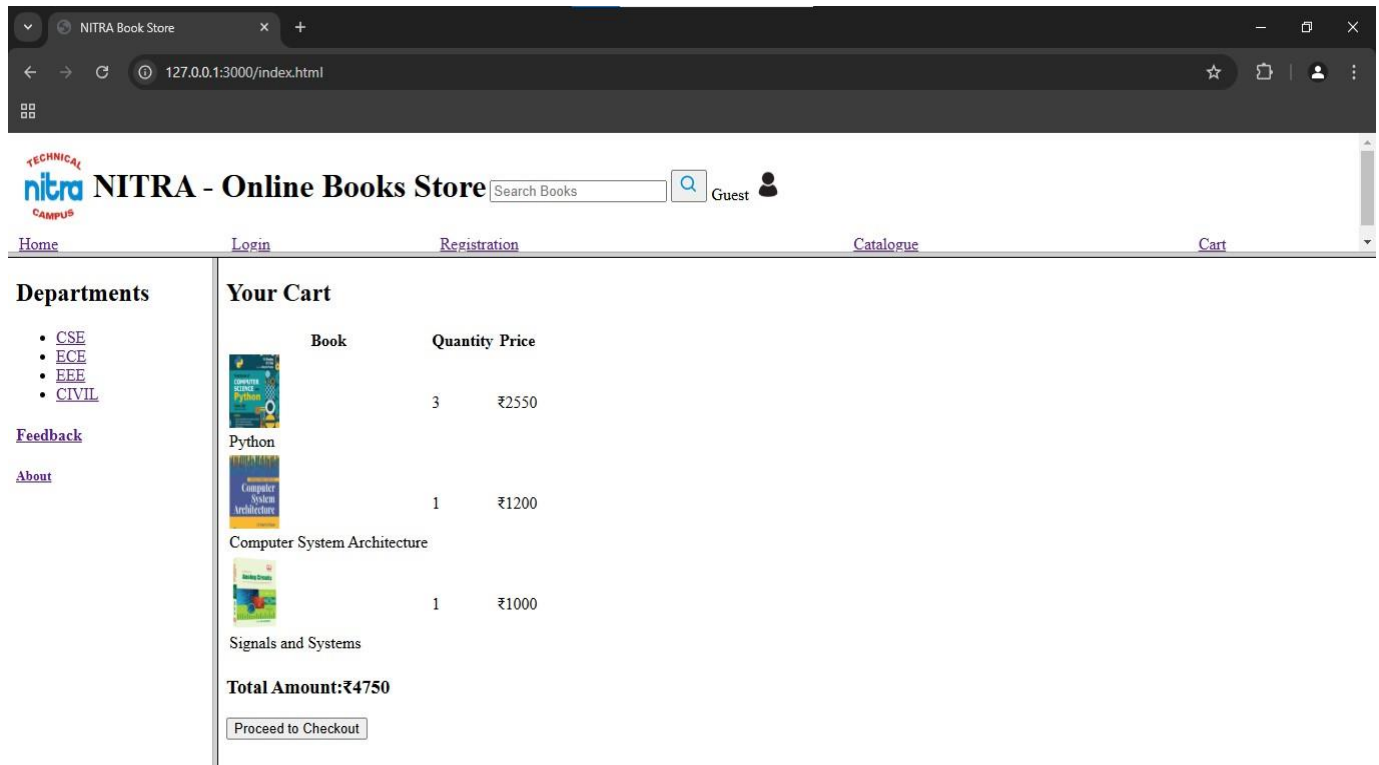
<button>Proceed to Checkout</button>

</body>

</html>

```

Output:



Experiment No. 5

REGISTRATION PAGE: 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. Language known(checkboxes- English, Telgu, Hindi, Tamil)
8. Address(text area)

Code:

File: registration.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>Registration Page</h1>
```

```
<form id ="registrationForm" >
```

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

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

```
<label for="password">Password:</label>
```

```
<input type="password" id="password" name="password">
```

```
<label for="email">E-mailid:</label>
```

```
<input type="text" id="email" name="email">
```

```
<label for="phone">Phone Number:</label>
```

```
<input type="text" id="phone" name="phone">
```

```
<label for="sex">Sex:</label>
```

```
<div><input type="radio" id="male" name="sex" value="male">
```

```
<label for="male">Male</label>
```

```
<input type="radio" id="female" name="sex" value="female">
```

```
<label for="female">Female</label></div>
```

```
<label for="dob">Date of Birth:</label>
```

```
<div> <select id="day" name="day">
```

```
  <option value="1">1</option>
```

```
  <option value="2">2</option>
```

```
  <!-- Add more options here -->
```

```
</select>
```

```
<select id="month" name="month">
```

```
  <option value="1">January</option>
```

```
  <option value="2">February</option>
```

```
  <!-- Add more options here -->
```

```
</select>
```

```
<select id="year" name="year">
```

```
  <option value="2021">2021</option>
```

```
  <option value="2020">2020</option>
```

```
  <!-- Add more options here -->
```

```
</select><br></div>
```

```
<label for="languages">Languages known:</label>
```

```
<div> <input type="checkbox" id="english" name="languages[]" value="English">
```

```
  <label for="english">English</label>
```

```
  <input type="checkbox" id="telugu" name="languages[]" value="Telugu">
```

```
  <label for="telugu">Telugu</label>
```

```
  <input type="checkbox" id="hindi" name="languages[]" value="Hindi">
```

```
  <label for="hindi">Hindi</label>
```

```
  <input type="checkbox" id="tamil" name="languages[]" value="Tamil">
```

```
  <label for="tamil">Tamil</label></div>
```

```
<label for="address">Address:</label>
```

```

<textarea id="address" name="address" rows="4" cols="50"></textarea>

<input type="submit" value="Register">

</form>

</body>

</html>

```

Output:

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NITRA - Online Books Store Guest

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Departments

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Registration Page

Name: Password: E-mailid: Phone Number: Sex: ☐ Male ☐ Female

Date of Birth:

Languages known: ☐ English ☐ Telugu ☐ Hindi ☐ Tamil

Address:

Experiment No. 6

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

- 1) Use different font, styles:

In the style definition you define how each selector should work(font, color etc.). Then, in the body of

your pages, you refer to these selectors to activate the styles.

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

Code:

File: eventlogo.html

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>CSS Design Example</title>
```

```
  <link rel="stylesheet" href="eventlogo.css">
```

```
</head>
```

```
<body>
```

```
  <header>
```

```
    <h1>Welcome to NITRA Technical Campus</h1>
```

```
    <p>Created with HTML and CSS</p>
```

```
  </header>
```

```
  <section class="content">
```

```
<h2>About This Page</h2>
```

```
<p>This page demonstrates the use of different fonts, styles, and background images.</p>  
</section>
```

```
<div class="image-section">
```

```
<h3>Image Section</h3>
```

```
<p>This section has its own background image.</p>  
</div>
```

```
<footer>
```

```
<p>Footer Content</p>
```

```
</footer>
```

```
</body>
```

```
</html>
```

File: eventlogo.css

```
body {  
    font-family: 'Arial', sans-serif;  
    color: #333;  
    background-image: url('image/backimage.jpg');  
    background-size: cover;  
    background-position: center;  
    margin: 0;  
    padding: 0;  
    line-height: 1.6;  
    height: 100vh;  
}
```

```
header {
```

```
background-color: rgba(0, 0, 0, 0.5);  
color: white;  
text-align: center;  
padding: 50px 0;  
}
```

```
header h1 {  
    font-family: 'Verdana', sans-serif;  
    font-size: 3rem;  
    margin: 0;  
}
```

```
header p {  
    font-family: 'Georgia', serif;  
    font-size: 1.2rem;  
    margin-top: 10px;  
}
```

```
section.content {  
    background-color: rgba(255, 255, 255, 0.8);  
    padding: 40px;  
    margin: 20px;  
    border-radius: 10px;  
}
```

```
.image-section {  
    background-image: url('image/backimage.jpg');  
    background-size: cover;  
    background-position: center;  
    padding: 50px;
```

```
    color: white;
    text-align: center;
}
```

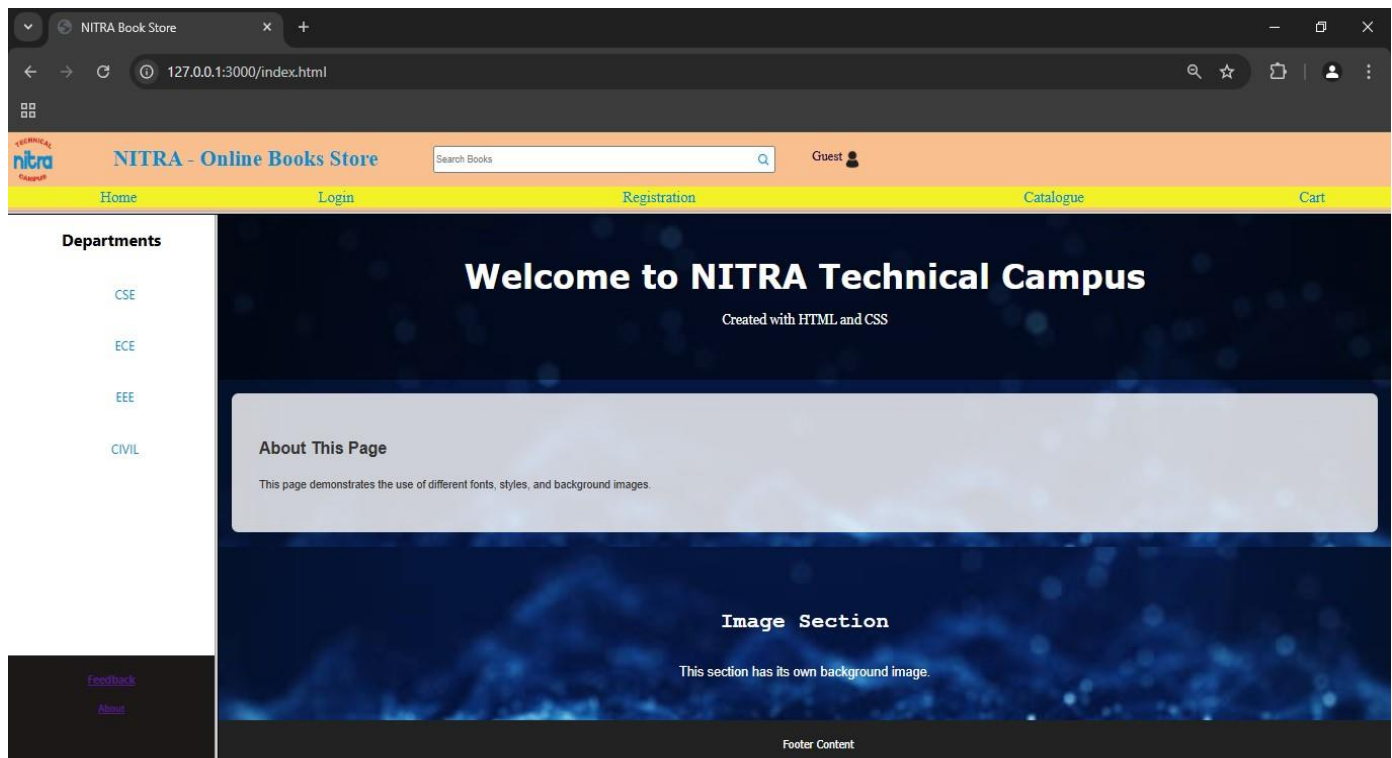
```
.image-section h3 {
    font-family: 'Courier New', Courier, monospace;
    font-size: 2rem;
}
```

```
.image-section p {
    font-size: 1.2rem;
}
```

```
footer {
    background-color: #222;
    color: white;
    text-align: center;
    padding: 20px;
    position: fixed;
    width: 100%;
    bottom: 0;
}
```

```
footer p {
    font-family: 'Tahoma', sans-serif;
    font-size: 1rem;
    margin: 0;
}
```

Output:



Experiment No. 7

CSS:

- 1) Control the repetition of the image with the background-repeat property.
- 2) Define styles for links as

A:link

A:visited

A:active

A:hover

Code:

File: Catalogue.css

```
body{
    font-family: Arial, sans-serif;
    box-sizing: border-box;
    margin: 0;
    padding: 0;
    background-color: #f4f4f9;
    text-align: center;
}
table{
    border: 2px solid black;
    background: rgb(226, 226, 242);
    width: 98vw;
    margin-left: 2px;

}
td, th{
    border: 1px solid black;
```

```
text-align: center;
vertical-align: middle;
padding-top: 3px;
padding-bottom: 3px;

}

.addbutton{
    background: rgba(26, 247, 26, 0.585);
    padding: 10px;
    border-radius: 8px;
    font-size: 20px;
    cursor: pointer;

}

.addbutton:link{
    background-color: rgba(26, 247, 26, 0.585);
}

.addbutton:hover{
    background-color: blue;
}

.addbutton:active{
    background-color: yellow;
    border: 2px solid red;
}

.addbutton:visited{
    background-color: rgb(239, 236, 236);
}
```

Output:

NITRA - Online Books Store

Search Books

Guest

Home Login Registration Catalogue Cart

Departments

CSE

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Book Name	Author Name	Publisher	Price	Add to cart
Java Programming	Java		₹900	Add to cart
ECE Department				
Signals and Systems	Alan V. Oppenheim	Prentice Hall	₹1000	Add to cart
Digital Communication	Simon Haykin	Wiley	₹950	Add to cart

NITRA - Online Books Store

Search Books

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Home Login Registration Catalogue Cart

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Catalogue Page

Snap Shot	Book Name	Author Name	Publisher	Price	Add to cart
CSE Department					
Python	Python			₹50	Add to cart
Computer System Architecture	Computer System Architecture			₹200	Add to cart

Experiment No. 8

JS VALIDATION: 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).

Code:

File: registration.js

```
function password_check( password){  
    check = true;  
    if (password.length <= 6) {  
        check = false  
        alert("Password less than 6 Charecter");  
        return check;  
    }  
    if (!string_check(password,65,90)) {  
        check = false  
        alert("Password not contain Capital alphabets")  
        return check;  
    }  
    if (!string_check(password,97,122)) {  
        check = false  
        alert("Password not contain small alphabets")  
        return check;  
    }  
    if (!string_check(password,48,57)) {  
        check = false  
        alert("Password not contain numerical value")
```

```

    return check;

}

if (!(string_check(password,33,47) || string_check(password,58,64))) {
    check = false
    alert("Password not contain symbal value")
}

return check;
}

function string_check(password,start,end) {
    check = false;
    for (let i = 0; i < password.length; i++) {
        // console.log("string:"+password.charCodeAt(i)+"="+start+end)
        if ((password.charCodeAt(i)>= start )&& (password.charCodeAt(i)<= end)) {
            check = true;
            return check;
        }

    }

    return check;
}

function name_check(name) {
    check1 = true
    if(name.length <= 6){
        check1 = false;
        alert("Name lessthan 6 charecters");
        return check1;
    }
}

```

```

    }

    if ((string_check(name, 48, 57) || string_check(name, 33, 47) || string_check(name, 58, 64))) {
        check1 = false;
        alert("Do not contain symbols and numerical value");
        return check1;
    }

    return check1;
}

```

```

document.addEventListener('DOMContentLoaded', function () {
    day = document.getElementById('day')
    month = document.getElementById('month')
    year = document.getElementById('year')

    list_of_month = ["January", "February", "March", "April", "May", "June", "July", "August",
    "September", "October", "November", "December"]

    // add day
    for (let i = 1; i <= 31; i++) {
        let option = document.createElement('option')
        option.textContent = i
        option.value = `${i}`
        day.appendChild(option)
    }

    // add month
    for (let i = 0; i < 12; i++) {
        let option = document.createElement('option')

```

```

    option.textContent = list_of_month[i]
    option.value = `${i+1}`
    month.appendChild(option)

}

//add year
for (let i =1980; i < 2025; i++) {
    let option = document.createElement('option')
    option.textContent = i
    option.value = `${i}`
    year.appendChild(option)
}

});

document.getElementById('registrationForm').addEventListener('submit', function(event) {
    event.preventDefault();
    const formData = new FormData(event.target);
    const data = {};
    formData.forEach((value, key) => {
        if (data[key]) {
            if (!Array.isArray(data[key])) {
                data[key] = [data[key]];
            }
            data[key].push(value);
        } else {
            data[key] = value;
        }
    });
});

```

```
if ((password_check(data.password))&& name_check(data.name)) {  
    localStorage.setItem('username', data.name);  
    localStorage.setItem('password', data.password);  
    alert("Rasistration succesfull!")  
    window.location.href = "login.html"  
}  
  
console.log('Profile', data);  
});
```

Output:

The screenshot shows the NITRA Online Books Store registration page. A modal dialog box displays the error: "127.0.0.1:3000 says Name less than 6 characters". The registration form contains the following fields:

- Name: Prab
- Password: (masked)
- E-mail: xyz@gmail.com
- Phone Number: 80745915489
- Sex: ☒ Male ☐ Female
- Date of Birth: 18 / January / 2009
- Languages known: ☒ English ☐ Telugu ☒ Hindi ☐ Tamil
- Address: Ghaziabad

The "Register" button is visible at the bottom of the form.

The screenshot shows the NITRA Online Books Store registration page. A modal dialog box displays the error: "127.0.0.1:3000 says Password not contain Capital alphabets". The registration form contains the following fields:

- Name: Prabhat Maurya
- Password: (masked)
- E-mail: xyz@gmail.com
- Phone Number: 80745915489
- Sex: ☒ Male ☐ Female
- Date of Birth: 18 / January / 2009
- Languages known: ☒ English ☐ Telugu ☒ Hindi ☐ Tamil
- Address: Ghaziabad

The "Register" button is visible at the bottom of the form.

The screenshot shows the NITRA Online Books Store registration page. A modal dialog box displays the success message: "127.0.0.1:3000 says Registration successfull!". The registration form contains the following fields:

- Phone Number: 80745915489
- Sex: ☒ Male ☐ Female
- Date of Birth: 14 / November / 2008
- Languages known: ☒ English ☐ Telugu ☒ Hindi ☐ Tamil
- Address: Ghaziabad

The "Register" button is visible at the bottom of the form.

Experiment No. 9

JS VALIDATION:

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

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

Code:

File: registration.js

```
function validateForm(email,phone) {  
  
    const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;  
  
    const phonePattern = /^\d{10}$/;  
    if (!emailPattern.test(email)) {  
        alert("Please enter a valid email address (name@domain.com).");  
        return false;  
    }  
  
    if (!phonePattern.test(phone)) {  
        alert("Please enter a valid phone number (exactly 10 digits).");  
        return false;  
    }  
  
    return true;  
}  
  
document.getElementById('registrationForm').addEventListener('submit', function(event) {  
    event.preventDefault();
```

```

const formData = new FormData(event.target);
const data = {};
formData.forEach((value, key) => {
  if (data[key]) {
    if (!Array.isArray(data[key])) {
      data[key] = [data[key]];
    }
    data[key].push(value);
  } else {
    data[key] = value;
  }
});

if ((password_check(data.password))&&
name_check(data.name)&&validateForm(data.email,data.phone)) {
  localStorage.setItem('username', data.name);
  localStorage.setItem('password', data.password);
  alert("Ragistration successfull!")
  window.location.href = "login.html"
}

console.log('Profile', data);
});

```


Output:

127.0.0.1:3000 says
Please enter a valid email address (name@domain.com).

OK

127.0.0.1:3000 says

Prabhat Maurya

Home Login Catalogue Cart

Departments

CSE

ECE

EEE

CIVIL

Feedback

About

Password: *****

E-mailid: Prajd@

Phone Number: 854568

Sex: ☒ Male ☐ Female

Date of Birth: 1 January 1980

Languages known: ☐ English ☐ Telugu ☐ Hindi ☐ Tamil

Address:

Register

127.0.0.1:3000 says
Please enter a valid phone number (exactly 10 digits).

OK

127.0.0.1:3000 says

Prabhat Maurya

Home Login Catalogue Cart

Departments

CSE

ECE

EEE

CIVIL

Feedback

About

Password: *****

E-mailid: xyz@gmail.com

Phone Number: 854568

Sex: ☒ Male ☐ Female

Date of Birth: 1 September 2008

Languages known: ☒ English ☐ Telugu ☒ Hindi ☐ Tamil

Address: ghaziabad

Register

127.0.0.1:3000 says
Registration successful!!

OK

127.0.0.1:3000 says

Prabhat Maurya

Home Login Catalogue Cart

Departments

CSE

ECE

EEE

CIVIL

Feedback

About

Phone Number: 8545688549

Sex: ☒ Male ☐ Female

Date of Birth: 1 September 2008

Languages known: ☒ English ☐ Telugu ☒ Hindi ☐ Tamil

Address: ghaziabad

Register

Experiment No. 10

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.

1. Your Own Portfolio
2. To-Do List
3. Survey Form
4. A Tribute Page
5. A Questionnaire

Survey Form

Code:

File: survey_form.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Bookstore Survey Form</title>
  <link rel="stylesheet" href="survey_form.css">
</head>

<body>
  <div class="survey-container">
    <h1>Bookstore Customer Survey</h1>
    <form id="surveyForm">
      <p>1. How satisfied are you with our bookstore?</p>
      <label>
```

```
<input type="radio" name="satisfaction" value="Very Satisfied"> Very Satisfied
</label>
<label>
  <input type="radio" name="satisfaction" value="Satisfied"> Satisfied
</label>
<label>
  <input type="radio" name="satisfaction" value="Neutral"> Neutral
</label>
<label>
  <input type="radio" name="satisfaction" value="Dissatisfied"> Dissatisfied
</label>
```

<p>2. What type of books do you prefer?</p>

```
<label>
  <input type="checkbox" name="bookType" value="Fiction"> Fiction
</label>
<label>
  <input type="checkbox" name="bookType" value="Non-Fiction"> Non-Fiction
</label>
<label>
  <input type="checkbox" name="bookType" value="Sci-Fi"> Sci-Fi
</label>
<label>
  <input type="checkbox" name="bookType" value="Biography"> Biography
</label>
```

<p>3. How often do you visit our bookstore?</p>

```
<select name="visitFrequency" id="visitFrequency">
  <option value="Once a Week">Once a Week</option>
  <option value="Once a Month">Once a Month</option>
```

```

        <option value="Rarely">Rarely</option>
        <option value="This is my first visit">This is my first visit</option>
    </select>

    <p>4. What improvements would you suggest for our bookstore?</p>
    <textarea name="improvements" rows="4" placeholder="Write your suggestions
here..."></textarea>

    <p>5. Would you recommend our bookstore to others?</p>
    <label>
        <input type="radio" name="recommend" value="Yes"> Yes
    </label>
    <label>
        <input type="radio" name="recommend" value="No"> No
    </label>

    <button type="submit">Submit Feedback</button>
</form>
<div id="responseMessage"></div>
</div>
</body>
<script src="survey_form.js"></script>

</html>

```

File: survey_form.css

```

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

```

```
.survey-container {  
    max-width: 600px;  
    margin: 0 auto;  
    background-color: white;  
    padding: 30px;  
    border-radius: 8px;  
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}
```

```
h1 {  
    text-align: center;  
    color: #333;  
}
```

```
form {  
    display: flex;  
    flex-direction: column;  
}
```

```
label {  
    margin: 10px 0;  
}
```

```
textarea {  
    width: 100%;  
    padding: 10px;  
    margin: 10px 0;  
    border-radius: 5px;  
    border: 1px solid #ccc;
```

```
}
```

```
button {  
  background-color: #4CAF50;  
  color: white;  
  border: none;  
  padding: 10px;  
  font-size: 16px;  
  cursor: pointer;  
  border-radius: 5px;  
  margin-top: 20px;  
}
```

```
button:hover {  
  background-color: #45a049;  
}
```

File: survey_form.js

```
document.getElementById('surveyForm').addEventListener('submit', function  
(event) {  
  event.preventDefault();  
  
  const formData = new FormData(event.target);  
  const data = {};  
  formData.forEach((value, key) => {  
    if (data[key]) {  
  
      if (!Array.isArray(data[key])) {  
        data[key] = [data[key]];  
      }  
    }  
  })  
}
```

```
        data[key].push(value);  
    } else {  
        data[key] = value;  
    }  
});
```

```
const responseMessage = document.getElementById('responseMessage');  
responseMessage.innerHTML = `

## 

    <p>Your responses have been recorded.</p>`;
```

```
console.log('Survey Data:', data);  
});
```

Output:

The screenshot shows a web browser with two tabs: "NITRA Book Store" and "Bookstore Survey Form". The address bar displays "127.0.0.1:3000/index.html". The website header is orange with the NITRA logo on the left, the title "NITRA - Online Books Store" in the center, a search bar with the placeholder "Search Books", and the user name "Prabhat Maurya" on the right. Below the header is a yellow navigation bar with links: "Home", "Login", "Registration", "Catalogue", and "Cart". The main content area has a left sidebar with a "Departments" section containing links for "CSE", "ECE", "EEE", and "CIVIL", and a dark blue box with "Feedback" and "About" links. The central part of the page displays a "Bookstore Customer Survey" form. The form contains three questions: 1. "How satisfied are you with our bookstore?" with radio button options "Very Satisfied", "Satisfied" (selected), "Neutral", and "Dissatisfied"; 2. "What type of books do you prefer?" with checkbox options "Fiction" (checked), "Non-Fiction", "Sci-Fi", and "Biography"; 3. "How often do you visit our bookstore?" with a dropdown menu showing "This is my first visit".

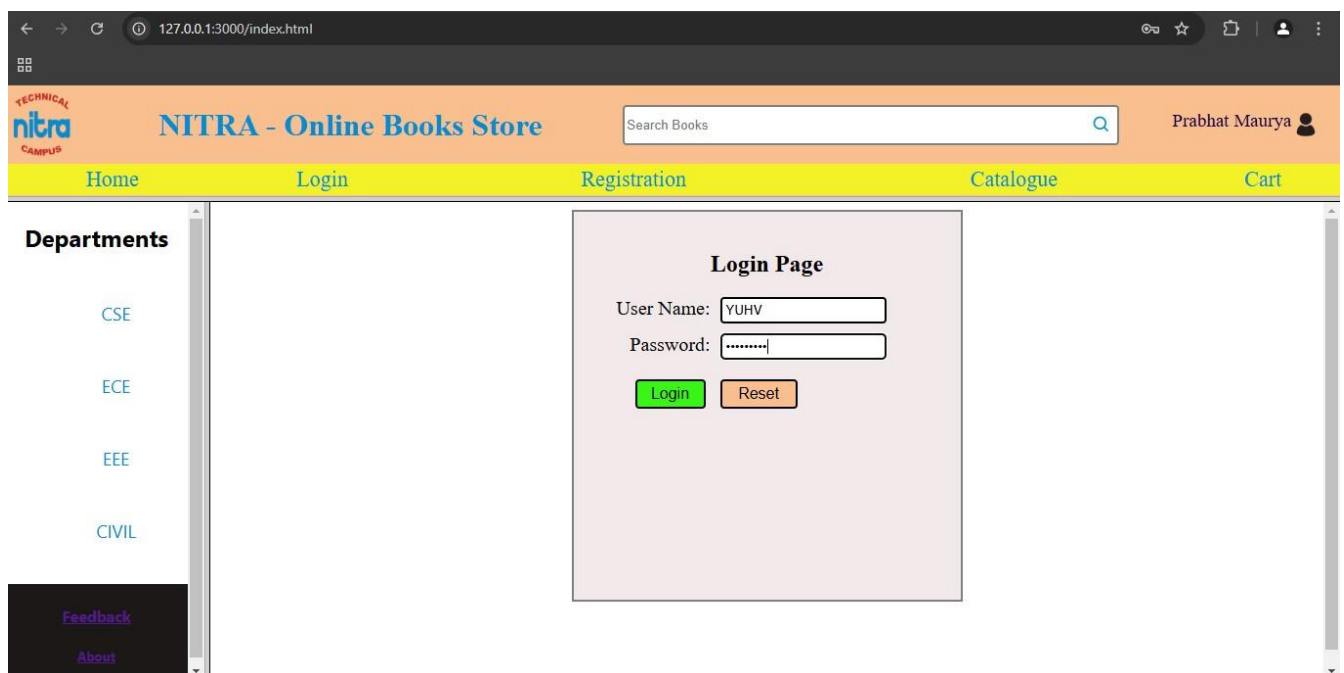
The screenshot shows the same website as the previous one, but the survey form is now completed. The third question, "How often do you visit our bookstore?", is now a dropdown menu showing "This is my first visit". The fourth question, "What improvements would you suggest for our bookstore?", is a text input field with the placeholder "Add More Books". The fifth question, "Would you recommend our bookstore to others?", has radio button options "Yes" (selected) and "No". Below the questions is a green "Submit Feedback" button. Below the button, the text "Thank You for Your Feedback!" is displayed, followed by "Your responses have been recorded." The rest of the website layout remains the same.

COMPLETE PROJECT

Home Page



Login Page



Catalogue Page

127.0.0.1:3000/index.html

TECHNICAL
nitra
CAMPUS

NITRA - Online Books Store

Search Books

Prabhat Maurya

Home Login Registration Catalogue Cart

Departments

CSE

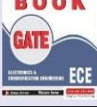
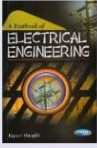

ECE

EEE

CIVIL

Feedback

About

	Electronic Devices and Circuits	J.B. Gupta	S. Chand	₹750	Add to cart
EEE Department					
	Electrical Engineering: Principles and Applications	Allan R. Hambley	Pearson	₹1100	Add to cart
	Power System Analysis	John J. Grainger, William D. Stevenson	McGraw-Hill	₹1300	Add to cart

Cart Page

127.0.0.1:3000/index.html

TECHNICAL
nitra
CAMPUS

NITRA - Online Books Store

Search Books

Prabhat Maurya

Home Login Registration Catalogue Cart

Departments

CSE

ECE



EEE

CIVIL

Feedback

About

Your Cart

Book	Quantity	Price
 Computer System Architecture	1	₹1200
 Structural Analysis	1	₹1300

Total Amount: ₹2500

[Proceed to Checkout](#)