

PONDICHERRY UNIVERSITY

(A Central university)



SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE

M.Sc. Computer Science

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SEMESTER	:	III
SUBJECT	:	ADVANCE COMPUTER NETWORKS & WEB TECHNOLOGY
SUBJECT CODE	:	CSSC-513

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PRACTICAL LAB RECORD

BONAFIDE CERTIFICATE

This is to certify that this is a Bonafide record of practical work done by **ELITAM SHIRISHA**, having Reg. No. **23370019** semester - III from the month July 2024 to November 2024.

FACULTY IN-CHARGE

SUBMITTED FOR THE PRACTICAL EXAM HELD ON: _____

INTERNAL EXAMINER

EXTERNAL EXAMINER

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HOME PAGE

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Online Book Store</title>

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

</head>

<body>

    <div class="header">

        <div class="logo">

            Online Book Store

        </div>

        <div class="nav">

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

            <a href="login3.html"><b>Login</b></a>

            <a href="registration.html"><b>Registration</b></a>

            <a href="cat2.html"><b>Catalogue</b></a>

            <a href="cart2.html"><b>Cart</b></a>

        </div>
```

```
</div>
<div class="container">
  <div class="left-frame">
    <h3>Categories</h3>
    <ul>
      <li><a href="cse.html?category=CSE">CSE</a></li>
      <li><a href="ece.html?category=ECE">ECE</a></li>
      <li><a href="eee.html?category=EEE">EEE</a></li>
      <li><a href="civil.html?category=CIVIL">CIVIL</a></li>
    </ul>
  </div>
  <div class="right-frame">
    <p><h2>Welcome to the Online Book Store. Browse through our
catalogue and find the books you love!</h2></p>
  </div>
</div>
</body>
</html>

body {
  font-family: Arial, sans-serif;
}

.header {
  display: flex;
  justify-content: space-between;
  align-items: center;
  background-color: #8b0a50;
  padding: 10px;
```

```
}
```

```
.logo-img {  
    width: 100px; /* Adjust size as needed */  
    height: auto;  
    vertical-align: middle;  
    margin-right: 40px; /* Adds space between the image and the text */  
}
```

```
.logo {  
    font-size: 24px;  
    font-weight: bold;  
}
```

```
.site-name {  
    font-size: 30px;  
    color: #f4f4f4;  
}
```

```
.nav a {  
    margin: 0 20px;  
    text-decoration: none;  
    color: #121212;  
}
```

```
.container {  
    display: flex;
```

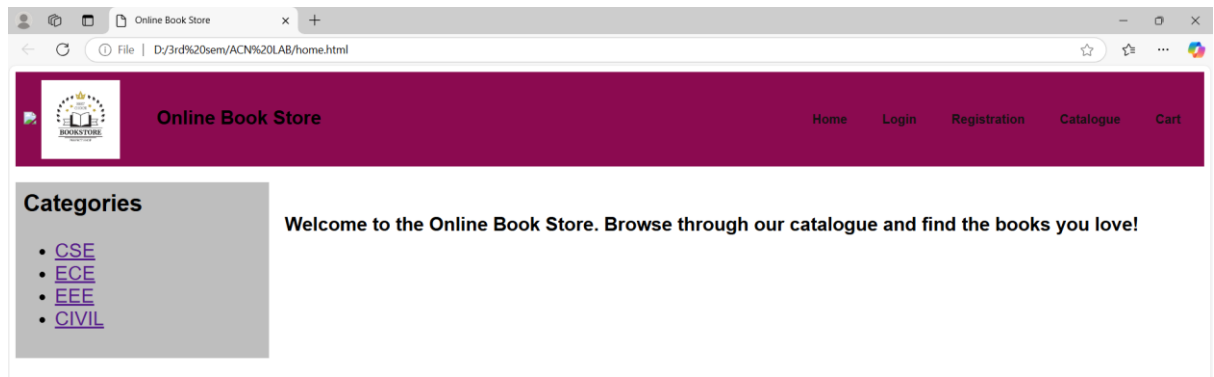
```
    margin-top: 20px;
}
```

```
.left-frame {
    font-size: 25px;
    width: 20%;
    background-color:#bebebe ;
    padding: 10px;
}
```

```
.right-frame {
    width: 75%;
    padding: 20px;
}
```

```
h3 {
    margin-top: 0;
}
```

OUTPUT:



LOGIN PAGE

```
<!DOCTYPE html>
```

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

```
<head>
```

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

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

```
    <title>Login - Online Book Store</title>
```

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

```
</head>
```

```
<body>
```

```
    <div class="header">
```

```
        <div class="logo">
```

```
            
```

```
            Online Book Store
```

```
        </div>
```

```
    <div class="nav">
```

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

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

```
        <a href="register.html"><b>Registration</b></a>
```



```

        <a href="cat2.html"><b>Catalogue</b></a>
        <a href="cart2.html"><b>Cart</b></a>
    </div>
</div>

<div class="container">
    <div class="login-form">
        <h2>Login</h2>
        <form action="home.html" method="POST">
            <div class="input-group">
                <label for="username">Username:</label>
                <input type="text" id="username" name="username" required>
            </div>
            <div class="input-group">
                <label for="password">Password:</label>
                <input type="password" id="password" name="password"
required>
            </div>
            <button type="submit">Login</button>
            <p class="message">Not registered? <a
href="register.html">Create an account</a></p>
        </form>
    </div>
</div>
</body>
</html>

body {
    font-family: Arial, sans-serif;

```

```
background-color: #f4f4f4;
margin: 0;
padding: 0;
}
```

```
.header {
  display: flex;
  justify-content: space-between;
  align-items: center;
  padding: 10px 20px;
  background-color: #8b0a50;
  color: white;
}
```

```
.logo {
  display: flex;
  align-items: center;
}
```

```
.logo-img {
  height: 80px; /* Adjust height as necessary */
  margin-right: 40px;
}
```

```
.nav a {
  color: white;
  text-decoration: none;
```

```
margin: 0 15px;  
font-weight: bold;  
}
```

```
.container {  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  flex-direction: column;  
  padding: 40px 20px;  
}
```

```
.login-form, .registration-form {  
  background-color: white;  
  padding: 20px;  
  border-radius: 8px;  
  box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);  
  width: 100%;  
  max-width: 400px;  
}
```

```
h2 {  
  text-align: center;  
  margin-bottom: 20px;  
}
```

```
.input-group {
```

```
margin-bottom: 15px;
text-align: left;
}
```

```
.input-group label {
  display: block;
  margin-bottom: 5px;
}
```

```
.input-group input {
  width: 100%;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 4px;
}
```

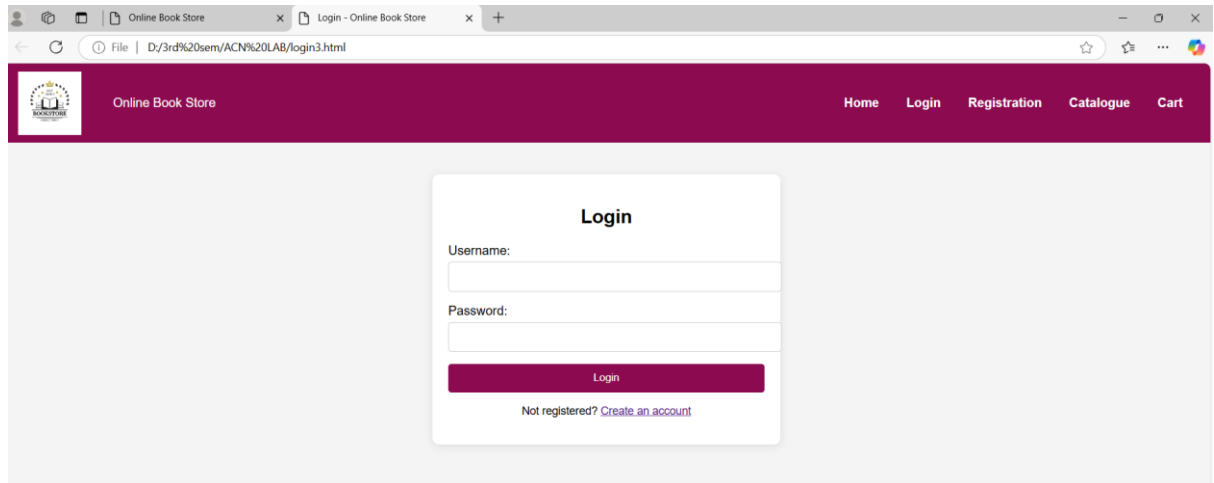
```
button {
  width: 100%;
  padding: 10px;
  background-color: #8b0a50;
  color: white;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
```

```
button:hover {
```

```
background-color: #454d55;  
}
```

```
.message {  
    margin-top: 15px;  
    font-size: 14px;  
    text-align: center;  
}
```

OUTPUT:



REGISTRATION PAGE

```
<html>

<head>

<title> Registration Page </title>

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

</head>

<body>

<center>

<h3 align="center"><u>REGISTRATION PAGE</u></h3>

<table border="3">

<tr><td>

<form style="background-color:white
;font-family:verdana">

<table cellpadding="10" cellspacing="5">

<tr><td>NAME</td><td><input type="text" size="30" name="username"
required></td></tr>

<tr><td>PASSWORD</td><td><input type="password" size="30"
name="password" required></td></tr>

<tr><td>E-MAIL ID</td><td><input type="text" size="30" name="email"
required></td></tr>

<tr><td>PHONE</td><td><input type="text" size="30" name="phone"
required></td></tr>

<tr><td>GENDER</td><td><input type="radio" name="gen" value="m"
/>MALE <input type="radio" name="gen" value="f" />FEMALE
</td></tr>

  <tr>

    <td>

      <label for="birthday">DATE OF BIRTH</label>

    </td>
```

</tr>

```
<td><select name="day">
<option value="day">DAY</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
<option value="9">9</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
```

```
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>
<option value="30">30</option>
<option value="31">31</option>
</select>

<select name="month">
<option value="month">MONTH</option>
<option value="jan">JANUARY</option>
<option value="feb">FEBRUARY</option>
<option value="mar">MARCH</option>
<option value="apr">APRIL</option>
<option value="may">MAY</option>
<option value="jun">JUNE</option>
<option value="jul">JULY</option>
<option value="aug">AUGUST</option>
<option value="sep">SEPTEMBER</option>
<option value="oct">OCTOBER</option>
<option value="nov">NOVEMBER</option>
<option value="dec">DECEMBER</option>
</select>

<select name="year">
<option value="year">YEAR</option>
<option value="1986">1986</option>
<option value="1987">1987</option>
```


<option value="1988">1988</option>
<option value="1989">1989</option>
<option value="1990">1990</option>
<option value="1991">1991</option>
<option value="1992">1992</option>
<option value="1993">1993</option>
<option value="1994">1994</option>
<option value="1995">1995</option>
<option value="1996">1996</option>
<option value="1997">1997</option>
<option value="1998">1998</option>
<option value="1999">1999</option>
<option value="2000">2000</option>
<option value="2001">2001</option>
<option value="2002">2002</option>
<option value="2003">2003</option>
<option value="2004">2004</option>
<option value="2005">2005</option>
<option value="2006">2006</option>
<option value="2007">2007</option>
<option value="2008">2008</option>
<option value="2009">2009</option>
<option value="2010">2010</option>
<option value="2011">2011</option>
<option value="2012">2012</option>
<option value="2013">2013</option>
<option value="2014">2014</option>

```

<option value="2015">2015</option>
<option value="2016">2016</option>
<option value="2017">2017</option>
<option value="2018">2018</option>
<option value="2019">2019</option>
<option value="2020">2020</option>
<option value="2021">2021</option>
<option value="2022">2022</option>
<option value="2023">2023</option>
<option value="2024">2024</option>
</select></td></tr>

<tr><td>LANGUAGES KNOWN</td>
<td>
<input type="checkbox" value="eng" name="lang" />ENGLISH
<input type="checkbox" value="tel" name="lang" />TELUGU
<input type="checkbox" value="hin" name="lang" />HINDI
<input type="checkbox" value="tam" name="lang" />TAMIL
</td></tr>

<tr>
<td>ADDRESS</td>
<td><textarea name="addr" cols="25" rows="5"></textarea></td></tr>

<tr><td colspan="2" align="center"><input type="submit"
value="SUBMIT"/>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<input type="rest"
value="RESET" /></td>

</tr>

</table>

</form>

```

```
</td></tr></table>
```

```
</center>
```

```
</body>
```

```
</html>
```

OUTPUT:

Online Book Store x Login - Online Book Store x Registration Page x +

File | D:/3rd%20sem/ACN%20LAB/ACN%20LAB%20-%20Copy/registration.html

REGISTRATION PAGE

NAME

PASSWORD

E-MAIL ID

PHONE

GENDER ☐ MALE ☐ FEMALE

DATE OF BIRTH

DAY MONTH YEAR

LANGUAGES KNOWN ☐ ENGLISH ☐ TELUGU ☐ HINDI ☐ TAMIL

ADDRESS

SUBMIT RESET

CATALOGUE PAGE

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Catalogue Page</title>

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

</head>

<body>

  <header>

    <div class="logo">

      Online Book Store

    </div>

    <nav>

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

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

      <a href="registration.html"><b>Registration</b></a>

      <a href="cat2.html"><b>Catalogue</b></a>

      <a href="cart2.html"><b>Cart</b></a>

    </nav>

  </header>

  <main>

    <h1>Book Catalogue</h1>

    <table>

      <thead>

        <tr>

          <th>Cover</th>
```

```

        <th>Title</th>

        <th>Author</th>

        <th>Publisher</th>

        <th>Price</th>

        <th>Action</th>
    </tr>
</thead>
<tbody>
    <tr>
        <td></td>

        <td>Java 2</td>

        <td>Watson</td>

        <td>BPB Publications</td>

        <td>Rs 35.5</td>

        <td><button onclick="addToCart('Java 2', 'Watson', 'BPB Publications',
35.5)">Add to Cart</button></td>
    </tr>

    <tr>
        <td></td>

        <td>XML Bible</td>

        <td>Winston</td>

        <td>Wiley</td>

        <td>Rs 40.5</td>

        <td><button onclick="addToCart('XML Bible', 'Winston', 'Wiley', 40.5)">Add to
Cart</button></td>
    </tr>

    <tr>
        <td></td>

```

```

        <td>AI</td>

        <td>S. Russel</td>

        <td>Prentice Hall</td>

        <td>Rs 63</td>

        <td><button onclick="addToCart('AI', 'S. Russel', 'Prentice Hall', 63)">Add to
Cart</button></td>

    </tr>

    <tr>

        <td></td>

        <td>HTML </td>

        <td>Sam Peter</td>

        <td>Sam Publications</td>

        <td>Rs 35.5</td>

        <td><button onclick="addToCart('HTML', 'Sam Peter', 'Sam Publications',
35.5)">Add to Cart</button></td>

    </tr>

</tbody>

</table>

</main>

<script>

function addToCart(title, author, publisher, price) {

    const cart = JSON.parse(localStorage.getItem('cart')) || [];

    cart.push({ title, author, publisher, price });

    localStorage.setItem('cart', JSON.stringify(cart));

    alert(title + " has been added to the cart.");

    window.location.href = 'cart.html'; // Redirect to the cart page

}

</script>

</body>

</html>

{

```

```
margin: 0;
padding: 0;
box-sizing: border-box;
}

body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  color: #333;
}

header {
  background-color: #8b0a50;
  color: white;
  padding: 20px 0;
  text-align: center;
}

.logo {
  display: flex;
  align-items: center;
  justify-content: center;
  margin-bottom: 10px;
}

.logo-img {
  width: 50px;
  height: 50px;
  margin-right: 10px;
}

nav {
```

```
    margin-top: 10px;  
}
```

```
nav a {  
    color: white;  
    margin: 0 15px;  
    text-decoration: none;  
    font-weight: bold;  
    transition: color 0.3s;  
}
```

```
nav a:hover {  
    color: #76eec6;  
}
```

```
main {  
    max-width: 1200px;  
    margin: 20px auto;  
    padding: 20px;  
    background: white;  
    border-radius: 8px;  
    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);  
}
```

```
h1 {  
    text-align: center;  
    margin-bottom: 20px;  
}
```

```
table {
```



```
width: 100%;  
border-collapse: collapse;  
}
```

```
table th, table td {  
    border: 1px solid #ccc;  
    padding: 10px;  
    text-align: left;  
}
```

```
table th {  
    background-color: #35424a;  
    color: white;  
}
```

```
.book-cover {  
    width: 80px; /* Set a fixed width for the book cover images */  
    height: auto;  
}
```

```
button {  
    background-color: #35424a;  
    color: white;  
    border: none;  
    border-radius: 5px;  
    padding: 10px 15px;  
    cursor: pointer;  
    transition: background-color 0.3s;  
}
```

```
button:hover {
```

```
background-color: #454f5b;
}

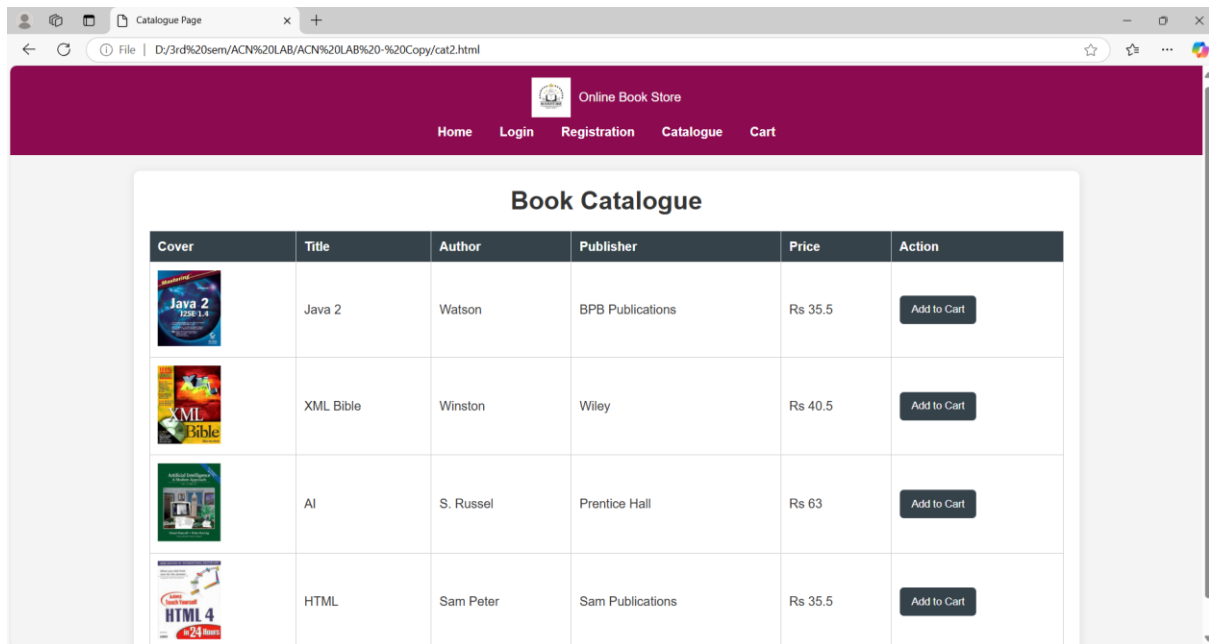
@media (max-width: 768px) {
  main {
    padding: 10px;
  }

  nav a {
    display: block;
    margin: 5px 0;
  }

  table {
    font-size: 0.9em; /* Smaller font for mobile */
  }

  .book-cover {
    width: 60px; /* Smaller book cover for mobile */
  }
}
```

OUTPUT:



CART PAGE

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Cart Page</title>
  <link rel="stylesheet" href="cart2.css">
</head>
<body>
  <header>
    <div class="logo">
      
      Online Book Store
    </div>
    <nav>
      <a href="cat2.html">Catalogue</a>

```

```
        <a href="#">Cart</a>
    </nav>
</header>

<main>
    <h1>Your Cart</h1>
    <table>
        <thead>
            <tr>
                <th>Title</th>
                <th>Author</th>
                <th>Publisher</th>
                <th>Price</th>
            </tr>
        </thead>
        <tbody id="cart-items">
            <!-- Cart items will be dynamically inserted here -->
        </tbody>
    </table>
    <div class="total">
        <h3 id="total-price">Total: Rs 0.00</h3>
    </div>
    <button class="checkout-button">Checkout</button>
</main>

<script>
    function loadCart() {
        const cart = JSON.parse(localStorage.getItem('cart')) || [];
        const cartItems = document.getElementById('cart-items');
        let totalPrice = 0;
```

```
    cart.forEach(item => {

        const row = document.createElement('tr');

        row.innerHTML = `

            <td>${item.title}</td>

            <td>${item.author}</td>

            <td>${item.publisher}</td>

            <td>Rs ${item.price}</td>

        `;

        cartItems.appendChild(row);

        totalPrice += item.price;

    });

    document.getElementById('total-price').innerText = `Total: Rs
    ${totalPrice.toFixed(2)} `;

    }

    window.onload = loadCart;

</script>

</body>

</html>

body {

    font-family: Arial, sans-serif;

    margin: 0;

    padding: 0;

    background-color: #f4f4f4;

}

header {

    background-color: #8b0a50;

    color: white;

    padding: 20px 0;
```

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

```
.logo {
    display: flex;
    align-items: center;
    justify-content: center;
}
```

```
.logo-img {
    width: 50px;
    height: 50px;
    margin-right: 10px;
}
```

```
nav a {
    color: white;
    margin: 0 15px;
    text-decoration: none;
}
```

```
main {
    max-width: 800px;
    margin: 20px auto;
    padding: 20px;
    background: white;
    border-radius: 8px;
    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
}
```

```
table {
```

```
width: 100%;  
border-collapse: collapse;  
}  
  
th, td {  
padding: 10px;  
text-align: left;  
border-bottom: 1px solid #ddd;  
}
```

```
.total {  
margin-top: 20px;  
text-align: right;  
}
```

```
.checkout-button {  
background-color: #8b0a50;  
color: white;  
border: none;  
padding: 10px 20px;  
border-radius: 5px;  
cursor: pointer;  
}
```

```
.checkout-button:hover {  
background-color: #454f5b;  
}
```

OUTPUT:

Cart Page

File | D:/3rd%20sem/ACN%20LAB/ACN%20LAB%20-%20Copy/cart2.html

Online Book Store
Catalogue Cart

Your Cart

Title	Author	Publisher	Price
Java 2	Watson	BPB Publications	Rs 35.5
Java 2	Watson	BPB Publications	Rs 35.5
XML Bible	Winston	Wiley	Rs 40.5
AI	S. Russel	Prentice Hall	Rs 63
XML Bible	Winston	Wiley	Rs 40.5
Java 2	Watson	BPB Publications	Rs 35.5
AI	S. Russel	Prentice Hall	Rs 63
AI	S. Russel	Prentice Hall	Rs 63
AI	S. Russel	Prentice Hall	Rs 63
Java 2	Watson	BPB Publications	Rs 35.5

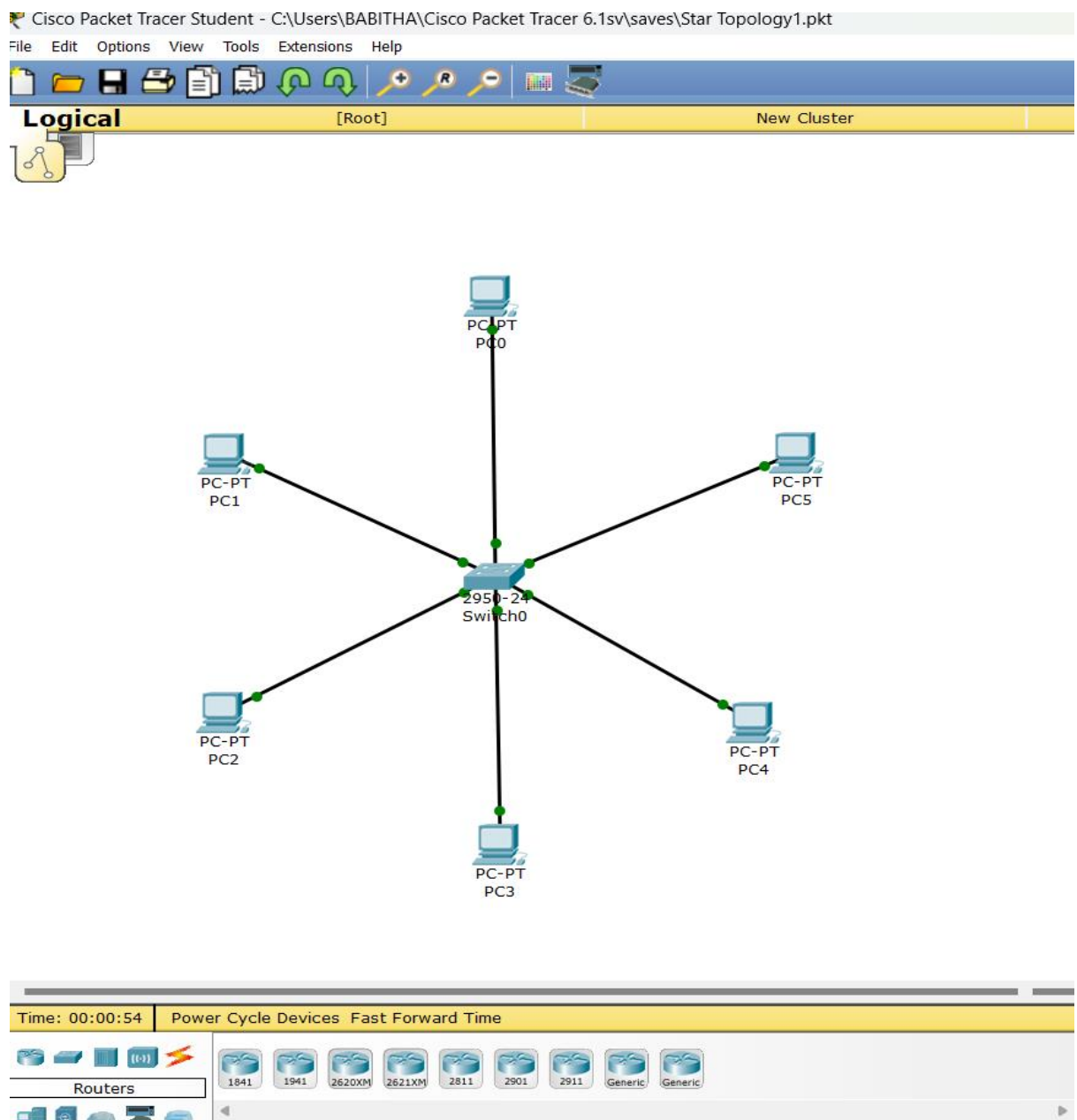
Total: Rs 475.00

Checkout

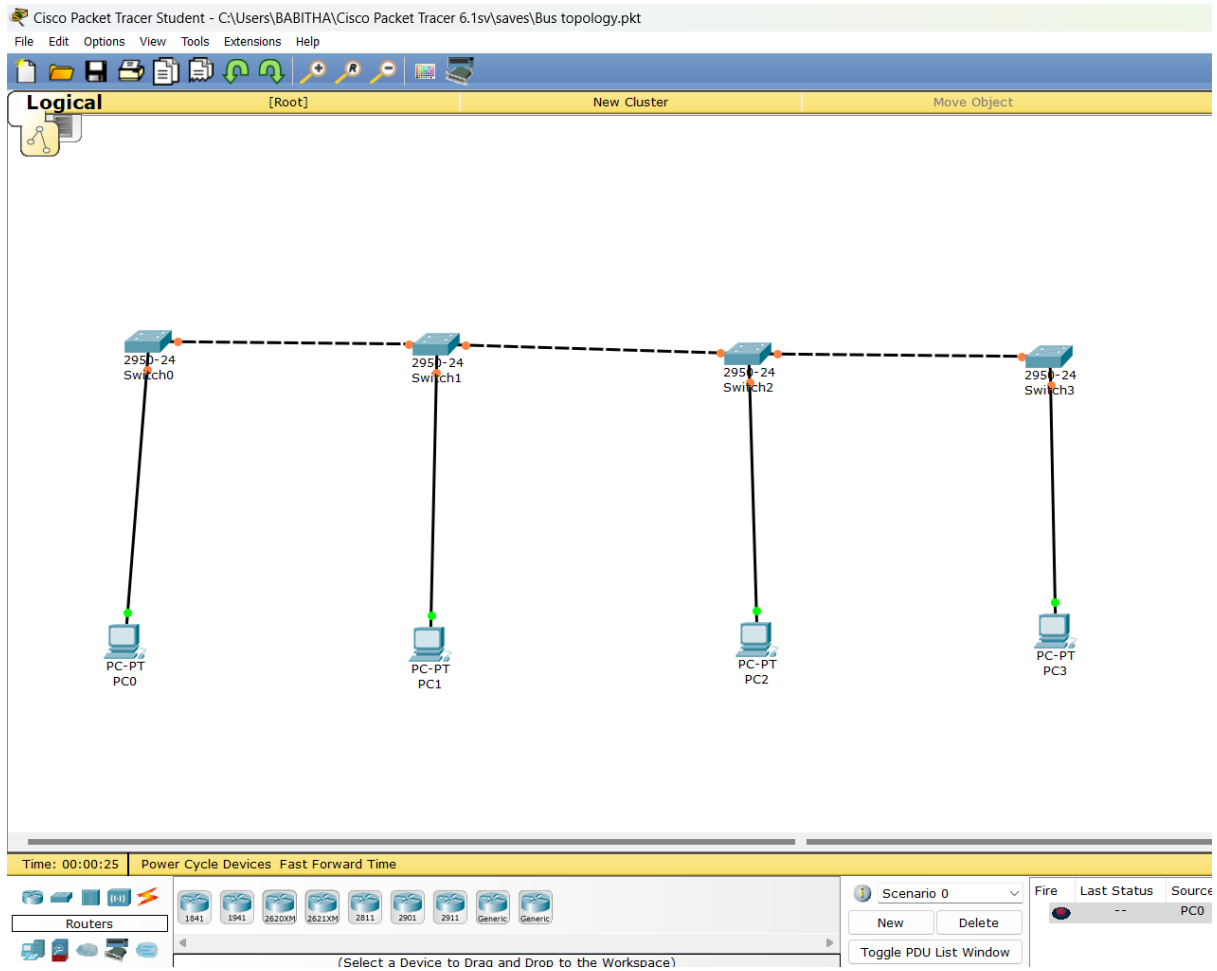
ACN

1 .NETWORK TOPOLOGY

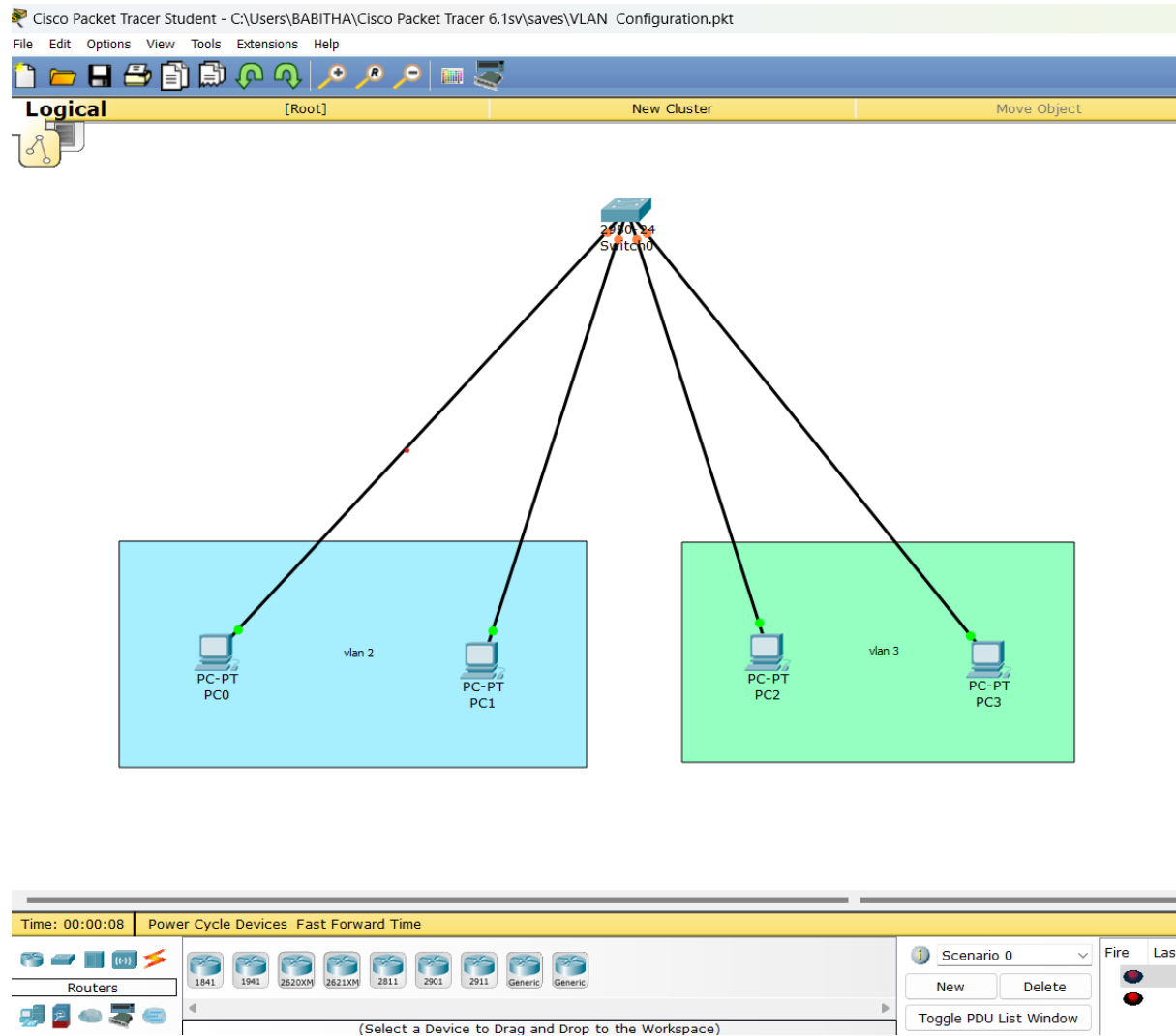
- STAR TOPOLOGY



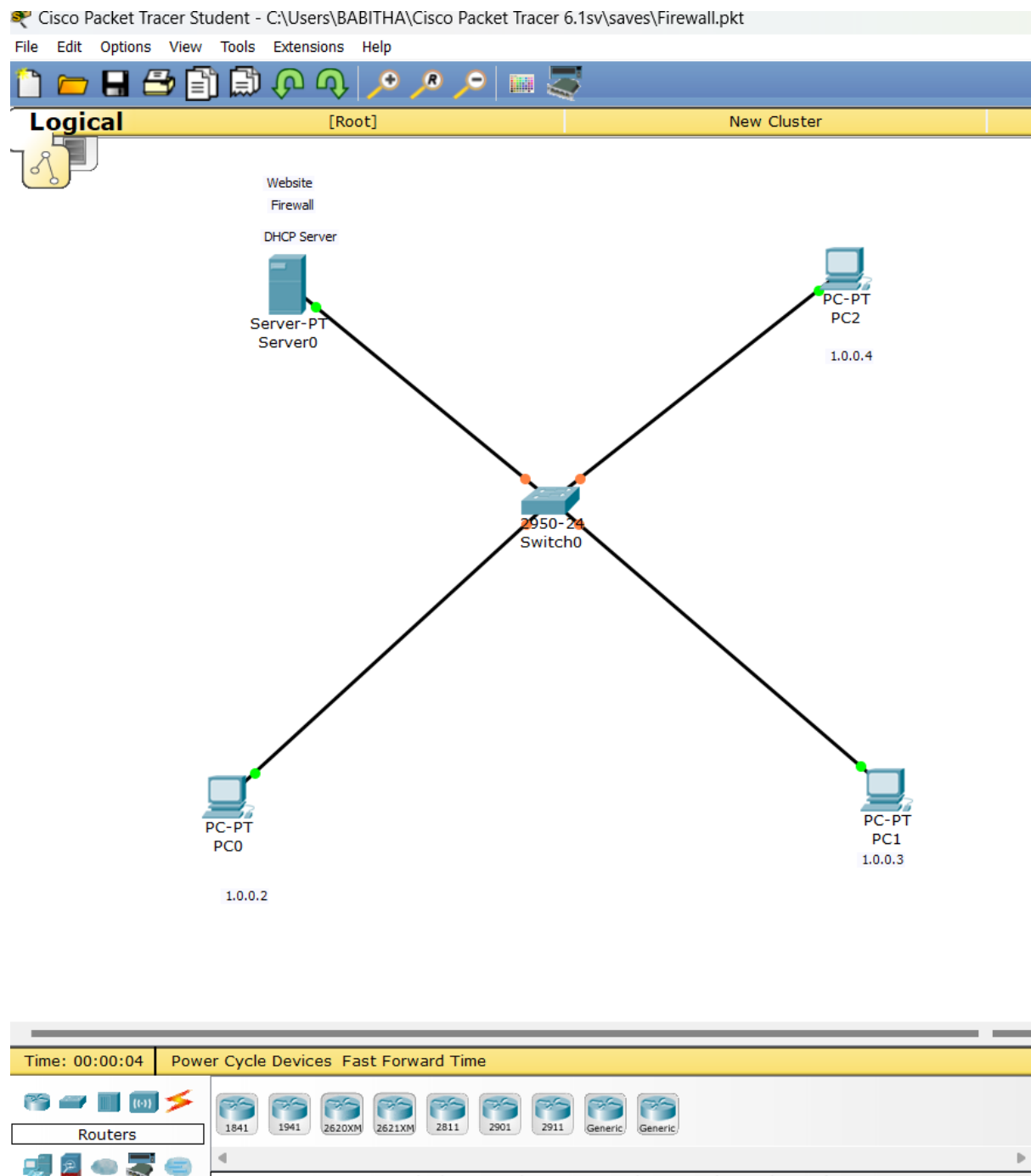
BUS TOPOLOGY



2. VLAN



3.FIREWALL

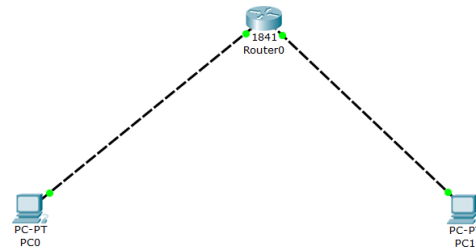


4. ROUTERS CONFIGURATION

Cisco Packet Tracer Student - C:\Users\BABITHA\Cisco Packet Tracer 6.1sv\saves\Router Configuration1.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background



Time: 00:00:04 Power Cycle Devices Fast Forward Time

Routers

1841 1941 26200N 26213N 2811 2901 2911 Generic Generic

(Select a Device to Drag and Drop to the Workspace)

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Tir
	--	PC0	PC1	ICMP		0
	--	PC1	PC0	ICMP		0