1.

Index.html:

```html
<html>

<head>
  <title>Amazon</title>
</head>

<body>
  <h1 style="text-align: center;">Amazon</h1>
  <div style="display:flex;justify-content: center;">
   <a href="/" style="padding:1em">Home</a>
   <a href="./login.html" style="padding:1em">Login</a>
   <a href="./register.html" style="padding:1em">Register</a>
   <a href="./profile.html" style="padding:1em">Profile</a>
   <a href="./catalog.html" style="padding:1em">Products</a>
   <a href="./cart.html" style="padding:1em">Cart</a>
  </div>
</body>

</html>
```

Login.html:

```html
<html>

<head>
  <title>Login | Amazon</title>
</head>

<body>
  <!--common for all pages-->
```

```html
<h1 style="text-align: center;">Amazon</h1>
<div style="display:flex;justify-content: center;">
 <a href="/" style="padding:1em">Home</a>
 <a href="./login.html" style="padding:1em">Login</a>
 <a href="./register.html" style="padding:1em">Register</a>
 <a href="./profile.html" style="padding:1em">Profile</a>
 <a href="./catalog.html" style="padding:1em">Products</a>
 <a href="./cart.html" style="padding:1em">Cart</a>
</div>
<!--common for all pages-->
<h1>Login</h1>
<form method="post" action="catalog.html">
 <table>
  <tr>
   <td>
    <p style="padding:0.5em">Username</p>
   </td>
   <td>
    <input type="text" name="username">
   </td>
  </tr>
  <tr>
   <td>
    <p style="padding:0.5em">Password</p>
   </td>
   <td>
    <input type="password" name="password"/>
   </td>
  </tr>
 </table>
 <input type="submit" value="Login">
```

```
    <input type="reset">
  </form>
</body>


</html>
```

Register.html:

```
<html>


<head>
  <title>Register | Amazon</title>
</head>


<body>
  <!--common for all pages-->
  <h1 style="text-align: center;">Amazon</h1>
  <div style="display:flex;justify-content: center;">
    <a href="/" style="padding:1em">Home</a>
    <a href="./login.html" style="padding:1em">Login</a>
    <a href="./register.html" style="padding:1em">Register</a>
    <a href="./profile.html" style="padding:1em">Profile</a>
    <a href="./catalog.html" style="padding:1em">Products</a>
    <a href="./cart.html" style="padding:1em">Cart</a>
  </div>
  <!--common for all pages-->
  <h1>Register</h1>
  <form method="post" action="login.html">
    <table>
      <tr>
        <td>
          <p style="padding:0.5em">Name</p>
```

```html
      </td>
      <td>
        <input type="text" name="name"/>
      </td>
    </tr>
    <tr>
      <td>
        <p style="padding:0.5em">Gender</p>
      </td>
      <td>
        <select name="name">
          <option value="male">Male</option>
          <option value="female">Female</option>
        </select>
      </td>
    </tr>
    <tr>
      <td>
        <p style="padding:0.5em">Username</p>
      </td>
      <td>
        <input type="text" name="username"/>
      </td>
    </tr>
    <tr>
      <td>
        <p style="padding:0.5em">Password</p>
      </td>
      <td>
        <input type="password" name="password"/>
      </td>
```

```
      </tr>
    </table>
    <input type="submit" value="Register">
    <input type="reset">
  </form>
</body>


</html>
```

Catalog.html:

```
<html>


<head>
  <title>Products | Amazon</title>
</head>


<body>
  <!--common for all pages-->
  <h1 style="text-align: center;">Amazon</h1>
  <div style="display:flex;justify-content: center;">
    <a href="/" style="padding:1em">Home</a>
    <a href="./login.html" style="padding:1em">Login</a>
    <a href="./register.html" style="padding:1em">Register</a>
    <a href="./profile.html" style="padding:1em">Profile</a>
    <a href="./catalog.html" style="padding:1em">Products</a>
    <a href="./cart.html" style="padding:1em">Cart</a>
  </div>
  <!--common for all pages-->
  <h1>Products</h1>
  <table border="1px black solid" style="width:100vw">
    <tr>
```

```html
        <th>Name</th>
        <th>Publication</th>
        <th>Price</th>
        <th>Action</th>
      </tr>
      <tr>
        <td>Harry potter</td>
        <td>ABC Publishers</td>
        <td>Rs 200</td>
        <td><button onclick="document.location='cart.html'">Add to Cart</button></td>
      </tr>
      <tr>
        <td>Harry potter</td>
        <td>ABC Publishers</td>
        <td>Rs 200</td>
        <td><button onclick="document.location='cart.html'">Add to Cart</button></td>
      </tr>
      <tr>
        <td>Harry potter</td>
        <td>ABC Publishers</td>
        <td>Rs 200</td>
        <td><button onclick="document.location='cart.html'">Add to Cart</button></td>
      </tr>
      <tr>
        <td>Harry potter</td>
        <td>ABC Publishers</td>
        <td>Rs 200</td>
        <td><button onclick="document.location='cart.html'">Add to Cart</button></td>
      </tr>
    </table>
  </body>
```

</html>

Cart.html:

<html>

<head>
 <title>Cart | Amazon</title>
</head>

<body>
 <!--common for all pages-->
 <h1 style="text-align: center;">Amazon</h1>
 <div style="display:flex;justify-content: center;">
  Home
  Login
  Register
  Profile
  Products
  Cart
 </div>
 <!--common for all pages-->
 <h1>Cart</h1>
 <table border="1px black solid" style="width:100vw">
  <tr>
   <th>Name</th>
   <th>Publication</th>
   <th>Price</th>
   <th>Quantity</th>
   <th></th>
  </tr>
  <tr>

```html
    <td>Harry potter</td>

    <td>ABC Publishers</td>

    <td>Rs 200</td>

    <td>2</td>

    <td><button onclick="document.location='cart.html'">Remove</button></td>

   </tr>

   <tr>

    <td colspan=2>Total</td>

    <td>Rs 400</td>

   </tr>

  </table>

  <button onclick="document.location='payment.html'">

   Pay

  </button>

 </body>


</html>
```

Payment.html:

```html
<html>


<head>

 <title>Payment | Amazon</title>

</head>


<body>

 <!--common for all pages-->

 <h1 style="text-align: center;">Amazon</h1>

 <div style="display:flex;justify-content: center;">

  <a href="/" style="padding:1em">Home</a>

  <a href="./login.html" style="padding:1em">Login</a>
```

```html
    <a href="./register.html" style="padding:1em">Register</a>

    <a href="./profile.html" style="padding:1em">Profile</a>

    <a href="./catalog.html" style="padding:1em">Products</a>

    <a href="./cart.html" style="padding:1em">Cart</a>

</div>

<!--common for all pages-->

<h1>Payment</h1>

<form method="post" action="success.html">

<table>

 <tr>

   <th>Card Number</th>

   <td>

     <input type="text" name="cardno">

   </td>

 </tr>

 <tr>

   <th>Expiry Date</th>

   <td>

     <select name="month">

       <option value="01">01</option>

       <option value="02">02</option>

       <option value="03">03</option>

       <option value="04">04</option>

       <option value="05">05</option>

       <option value="06">06</option>

       <option value="07">07</option>

       <option value="08">08</option>

       <option value="09">09</option>

       <option value="10">10</option>

       <option value="11">11</option>

       <option value="12">12</option>
```

```html
      </select>

    <select name="year">
      <option value="2021">2021</option>
      <option value="2022">2022</option>
      <option value="2023">2023</option>
      <option value="2024">2024</option>
      <option value="2025">2025</option>
      <option value="2026">2026</option>
     </select>
    </td>
    <tr>
     <th>CVV</th>
     <td><input type="text"></td>
    </tr>
   </tr>
  </table>
  <input type="submit" value="Proceed to Pay">
</form>
</body>

</html>
```

Success.html:
```html
<html>

<head>
 <title>Order Confirmation | Amazon</title>
</head>

<body>
```

```html
<!--common for all pages-->
<h1 style="text-align: center;">Amazon</h1>
<div style="display:flex;justify-content: center;">
 <a href="/" style="padding:1em">Home</a>
 <a href="./login.html" style="padding:1em">Login</a>
 <a href="./register.html" style="padding:1em">Register</a>
 <a href="./profile.html" style="padding:1em">Profile</a>
 <a href="./catalog.html" style="padding:1em">Products</a>
 <a href="./cart.html" style="padding:1em">Cart</a>
</div>
<!--common for all pages-->
<h1>Order Confirmation</h1>
<p>Your order is successfully placed</p>
</body>

</html>
```

Profile.html:

```html
<html>

<head>
 <title>Profile | Amazon</title>
</head>

<body>
 <!--common for all pages-->
 <h1 style="text-align: center;">Amazon</h1>
 <div style="display:flex;justify-content: center;">
  <a href="/" style="padding:1em">Home</a>
  <a href="./login.html" style="padding:1em">Login</a>
  <a href="./register.html" style="padding:1em">Register</a>
```

```html
   <a href="./profile.html" style="padding:1em">Profile</a>
   <a href="./catalog.html" style="padding:1em">Products</a>
   <a href="./cart.html" style="padding:1em">Cart</a>
  </div>
  <!--common for all pages-->
  <h1>Profile</h1>
  <table>
   <tr>
    <th>Name</th>
    <td><input type="text" value="John" disabled/></td>
   </tr>
   <tr>
    <th>Email</th>
    <td><input type="email" value="John@gmail.com" disabled/></td>
   </tr>
   <tr>
    <th>Username</th>
    <td><input type="text" value="john7688" disabled/></td>
   </tr>
  </table>
</body>

</html>
```

2.

Index.html:

Same as previous

Login.html:

Add script tag in the body

```html
<script>
  function validateForm(){
```

```javascript
    let username = document.forms["login"].username.value;

    let password = document.forms["login"].password.value;

    if(username==null||username==undefined||username.length==0){

      alert("Username cannot be empty");

      return false;

    }

    if(password==null||password==undefined||password.length==0){

      alert("password cannot be empty");

      return false;

    }

    if(username.length<3){

      alert("Username should have more than three characters");

      return false;

    }

    if(password.length<5){

      alert("Password is too short");

      return false;

    }

    return true;

  }

 </script>
```

Register.html:

```html
<script>

  function validateForm(){

    //write for others aswell same as login

    let username = document.forms[0].username.value;

    let password = document.forms[0].password.value;

    let email = document.forms[0].email.value;

    let emailRegex = /\S+@\S+\.\S+/;

    if(!emailRegex.test(email)){
```

```
      alert("Enter a valid email");

      return false;

    }

    if(username==null||username==undefined||username.length==0){

      alert("Username cannot be empty");

      return false;

    }

    if(password==null||password==undefined||password.length==0){

      alert("password cannot be empty");

      return false;

    }

    if(username.length<3){

      alert("Username should have more than three characters");

      return false;

    }

    if(password.length<5){

      alert("Password is too short");

      return false;

    }


    return true;

  }
 </script>
```

Catalog.html:

Same as previous.

Cart.html:

Same as previous.

Payment.html:

```
<script>
 function validateForm(){
```

```
    let cardno = document.forms[0].cardno.value;

    let cardRegex = /[0-9]{16}/;

    if(!cardRegex.test(cardno)){

      alert("Enter a valid card number");

      return false;

    }

    return true;


  }
</script>
```

Profile.html:

same as previous.

3.

Create std.html and student.xml in same folder and open it in internet explorer :

Std.html:

```
<html>

<head>

<script>

function LoadXmlDoc(dname)

{

xmldoc=new ActiveXObject("Microsoft.XMLDOM");

xmldoc.async="false";

xmldoc.load(dname);

return xmldoc;

}

function validate()

{

var i,k,j=0;

xmldoc=LoadXmlDoc("student.xml");

var v1=myform.n2.value;
```

```
if(v1.length==0)

window.alert("enter the roll no.");

else

{

v1=parseInt(v1);

arr=xmldoc.getElementsByTagName("students");

for(i=0;i<arr.length;i++)

{

var txt=xmldoc.getElementsByTagName("rollno")[i].childNodes[0].nodeValue; if(txt==v1)

{k=i;

j=1;

}

}

if(j==1)

{

nam=xmldoc.getElementsByTagName("name")[k].childNodes[0].nodeValue;

rol=xmldoc.getElementsByTagName("rollno")[k].childNodes[0].nodeValue;

per=xmldoc.getElementsByTagName("percentage")[k].childNodes[0].nodeValue; 47

document.write("<body bgcolor='pink'>");

document.write("<table border=1 align='center'><tr><th colspan='2'>USERDETAILS</th></tr>");

document.write("<tr><th>Name::</th><td>"+nam+"</td></tr>");

document.write("<tr><th>RollNumber::</th><td>"+rol+"</td></tr>");

document.write("<tr><th>Percentage::</th><td>"+per+"</td></tr>");

document.write("</table></body>");

}

else

window.alert("roll number not found");

}

}

</script>

</head>
```

```html
<body bgcolor="pink" text="red">

<form name="myform">

<table align="center">

<tr><td><B>RollNumber</B></td><td><input type="text" size=15

name="n2"></td></tr>

</table>

<br>

<center><input type=submit value="submit" name="b1" onClick="validate()"></center>

</form>

</body>

</html>
```

Student.xml:

```xml
<?xml version="1.0" ?>

<cse>

<students>

<rollno>501</rollno>

<name>ABC</name>

<percentage>65%</percentage>

</students>

<students>

<rollno>502</rollno>

<name>DEF</name>

<percentage>67%</percentage>

</students>

<students>

<rollno>503</rollno>

<name>GHI</name>

<percentage>69%</percentage>

</students>

<students>

<rollno>504</rollno>
```

```xml
<name>JKL</name>
<percentage>65%</percentage>
</students>
<students>
<rollno>505</rollno>
<name>MNO</name>
<percentage>73%</percentage>
</students>
<students>
<rollno>506</rollno>
<name>PQR</name>
<percentage>74%</percentage>
</students>
<students>
<rollno>507</rollno>
<name>stu</name>
<percentage>65%</percentage>
</students>
<students>
<rollno>508</rollno>
<name>VWX</name>
<percentage>70%</percentage>
</students>
<students>
<rollno>509</rollno>
<name>YZ</name>
<percentage>72%</percentage>
</students>
<students>
<rollno>510</rollno>
<name>PQR</name>
```

```
<percentage>75%</percentage>

</students>

</cse>
```