

Subject: 20CS2036L – Web Technology Lab

**Lab Exercise: 4. Design a Sign-In and Sign-Up Page with Navigation Bar using CSS
(Duration: 1.30 hours)**

Create a web page with Sign-In and Sign_up form including horizontal navigation bar for any organization/industry as per your choice using HTML and CSS features such as CSS Position, Form Styles, CSS Pseudo classes that conforms to the following guidelines.

- You need to design a single page website with horizontal navigation bar, Sign In and Sign Up forms, image and table design with necessary CSS properties.
- Create an external CSS file with extension .css and include it in HTML program using <link> tag.
- Use pseudo class like focus and hover effects with form elements, image, table, button and navigation items.
- Use the mockup illustration page given below - create your unique design with background images and colors, etc..
- Publish your website live on the web using some free web hosting services (000webhost)

Navigation bar

Make a fixed rollover effect on horizontal navigation bar using list of links. Remove the bullets of the link and remove the default text declaration from the links. Display the links as block elements and specify width and background color. This navigation bar should stretch the full width of the screen. The navigation elements themselves should still be centered over the content area.

Apply the following text properties:

Font- family : Helvetica

Font-weight:bold

Text -color : #ffffff; on mouse over(color: rgba(255,255,255,0.5))

Background color: rgba(255,255,255,0.5) on hover (#dff0d8;)

Initially the navigation bar should be transparent (set opacity)

Sign In and Sign Up forms

Design a Sign-In and Sign-Up Box with necessary Input form elements with unique design (think some innovative design) and position the box using relative or absolute in the page.

Rounded corner Image with hover effect:

Have a division over the image and when user moves the mouse pointer over it (use :hover pseudo class) change the opacity of the division to 0. Thus, the image placed behind that division will be made visible.

Give box shadow effect to the division and image; box-shadow: h-shadow v-shadow blur color

eg: box-shadow: 10px 10px 5px #888888;

Give rounded corners to the div and the image, by using the border-radius property.

Eg: border-radius: 50%;

Table design

Display the item in table format. Add set the following styles.

- Select the adjacent sibling and apply style
- Table has 2 columns. Display item names in the 1st column and the corresponding images in the next column. Initially set hide all the images and on hover of the item name make the image visible by changing the opacity into 1.

Sample code for reference

```
<table><tr><td class="itemName">item1</td>  
  
<td class="itemImg"></td></tr> </table>
```

```
.itemImg{    opacity :0.2;    }
```

```
.itemName:hover + .itemImg{    opacity: 1; }
```

Hint: itemName and itemImg are adjacent sibling. On hover of itemName select its adjacent sibling itemImg.

Set different colors for odd and even rows and change the background color on mouse over. [hint: nth-child(odd) and nth-child(even)]. Give rounded corners to the table [use the border-radius property.]

SOURCE CODE:

1 -- index.html

```
<!DOCTYPE html>  
<html lang="en">  
  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>Document</title>  
  <link rel="stylesheet" href="style.css">  
</head>  
  
<body>  
  <div class="n1">  
    <ul>  
      <li class="logo-"><a href="home.html">Study Sphere</a></li>  
      <li><a href="home.html"><h3>Home</h3></a></li>
```

```
    <li><a href="feature.html"><h3>Features</h3></a></li>
    <li><a href="price.html"><h3>Pricing</h3></a></li>
</ul>
</div>
```

```
<div class="forms">
  <form action="action_page.php" method="post">
    <h2> Sign In</h2>
    <div class="container">
      <label for="uname"><b>Username</b></label>
      <input type="text" id="uname" placeholder="Enter Username" name="uname" required>

      <label for="psw"><b>Password</b></label>
      <input type="password" id="psw" placeholder="Enter Password" name="psw" required>

      <button type="submit">Sign In</button>
    </div>
  </form>
```

```
<form action="action_page.php" method="post">
  <h2> Sign Up</h2>
  <div class="container">
    <label for="uname_signup"><b>Name</b></label>
    <input type="text" id="uname_signup" placeholder="Enter Username" name="uname"
required>

    <label for="uemail"><b>Email</b></label>
    <input type="email" id="uemail" placeholder="Enter Email" name="uemail" required>

    <label for="psw_signup"><b>Password</b></label>
    <input type="password" id="psw_signup" placeholder="Enter Password" name="psw"
required>

    <button type="submit">Sign Up</button>
  </div>
</form>
</div>
</body>
```

</html>

2 – details.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="n1">
    <ul>
      <li class="logo-"><a href="signup.html">Study Sphere</a></li>
      <li><a href="home.html"><h3>Home</h3></a></li>
      <li><a href="feature.html"><h3>Features</h3></a></li>
      <li><a href="price.html"><h3>Pricing</h3></a></li>
    </ul>
  </div>
  
  
  
  <div id="a1" >
    <h1>Personalized Study Resources Dashboard</h1>
    <h1>Real-Time Chat Interface</h1>
    <h1>Multimedia Interaction Screen </h1>
    <p>Empowers users to curate and organize study materials, set reminders, and deadlines, optimizing learning efficiency and productivity. Offers a personalized hub for accessing educational resources.
    </p>
    <p>Facilitates real-time communication through text, emojis, and media sharing. Enables group discussions and private conversations, fostering social interaction and collaboration among users.

    </p>
    <p>Allows users to simultaneously watch movies and listen to music within the chat interface. Enhances social engagement by providing a shared entertainment experience.
```

</p>
</div>
</body>
</html>

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3 – price.html

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

<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Document</title>
 <style>
 body {
 font-family: Helvetica, sans-serif, sans-serif;
 font-weight: bold;
 color: black;
 margin: 0;
 background-image: url('background.jpg');
 background-repeat: no-repeat;
 background-size: cover;
 }

 .logo- {
 color: rgb(0, 0, 0);
 font-size: 1.3rem;
 font-weight: 600;
 font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;
 }

 .n1 {
 height: 15vh;
 }

 ul {
 margin: 0;
 list-style-type: none;
 background-color: rgba(0, 0, 0, 0.2);
 }

 ul li {
 display: inline-block;
 width: 23%;
 transition: transform 0.3s ease;
 }

 ul li a {
 text-decoration: none;
 color: black;
 }
 </style>
</head>
<body>
 <div>
 <div>
 <div>
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 <div>
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 </div>
 </body>
</html>

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3 – price.html

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

<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Document</title>
 <style>
 body {
 font-family: Helvetica, sans-serif, sans-serif;
 font-weight: bold;
 color: black;
 margin: 0;
 background-image: url('background.jpg');
 background-repeat: no-repeat;
 background-size: cover;
 }

 .logo- {
 color: rgb(0, 0, 0);
 font-size: 1.3rem;
 font-weight: 600;
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 </div>
 </div>
 </body>
</html>

```
ul li:hover {
  transform: scale(1.1);
  cursor: pointer;
  color: rgba(255, 255, 255, 0.4);
}

.center {
  margin-left: auto;
  margin-right: auto;
}

table {
  position: relative;
  background-color: rgb(136, 191, 218);
  border-radius: 5%;
  border-color: black;
  width: 45%;
  box-shadow: 10px 10px 5px purple;
  border-style: solid;
  margin-top: 10%;
}

#r1,
#r3 {
  background-color: rgb(0, 75, 128);
  border-radius: 5%;
}

#r1,
#r2,
#r3,
#r4 {
  width: 85%;
  transition: transform 0.3s ease;
  border-radius: 5%;
}

#r1:hover,
#r3:hover {
  background-color: burlywood;
  border-radius: 10%;
  transform: scale(1.1);
}
```

```
img {
  opacity: 0.5;
  transition: transform 0.3s ease;
}

img:hover {
  opacity: 1;
  border-radius: 10%;
  transform: scale(1.1);
}

tr,
th {
  text-align: center;
}

tr:hover {
  background-color: antiquewhite;
  border-radius: 20%;
  opacity: 1;
  transform: scale(1.1);
}

tr:hover+img {
  opacity: 1;
}
</style>
</head>

<body>
<div class="n1">
  <ul>
    <li class="logo-"><a href="home.html">
      Study Sphere
    </a></li>
    <li><a href="home.html">
      <h3>Home</h3>
    </a></li>
    <li><a href="feature.html">
      <h3>Features</h3>
    </a></li>
    <li><a href="price.html">
      <h3>Pricing</h3>
    </a></li>
  </ul>
</div>

<table class="center">
```



```
<tr>
  <th colspan="2">
    Pricing plans
  </th>
</tr>
<tr>
  <td id="r1">Free</td>
  <td></td>
</tr>
<tr>
  <td id="r2">Premium Monthly</td>
  <td></td>
</tr>
<tr>
  <td id="r3">Premium Quarterly</td>
  <td></td>
</tr>
<tr>
  <td id="r4">Premium Annual</td>
  <td></td>
</tr>
</table>
</body>

</html>
```

Navigation bar 1

Study Sphere

Home

Features

Pricing

Sign In

Username

Enter Username

Password

Enter Password

Sign In

Sign Up

Name

Enter Username

Email

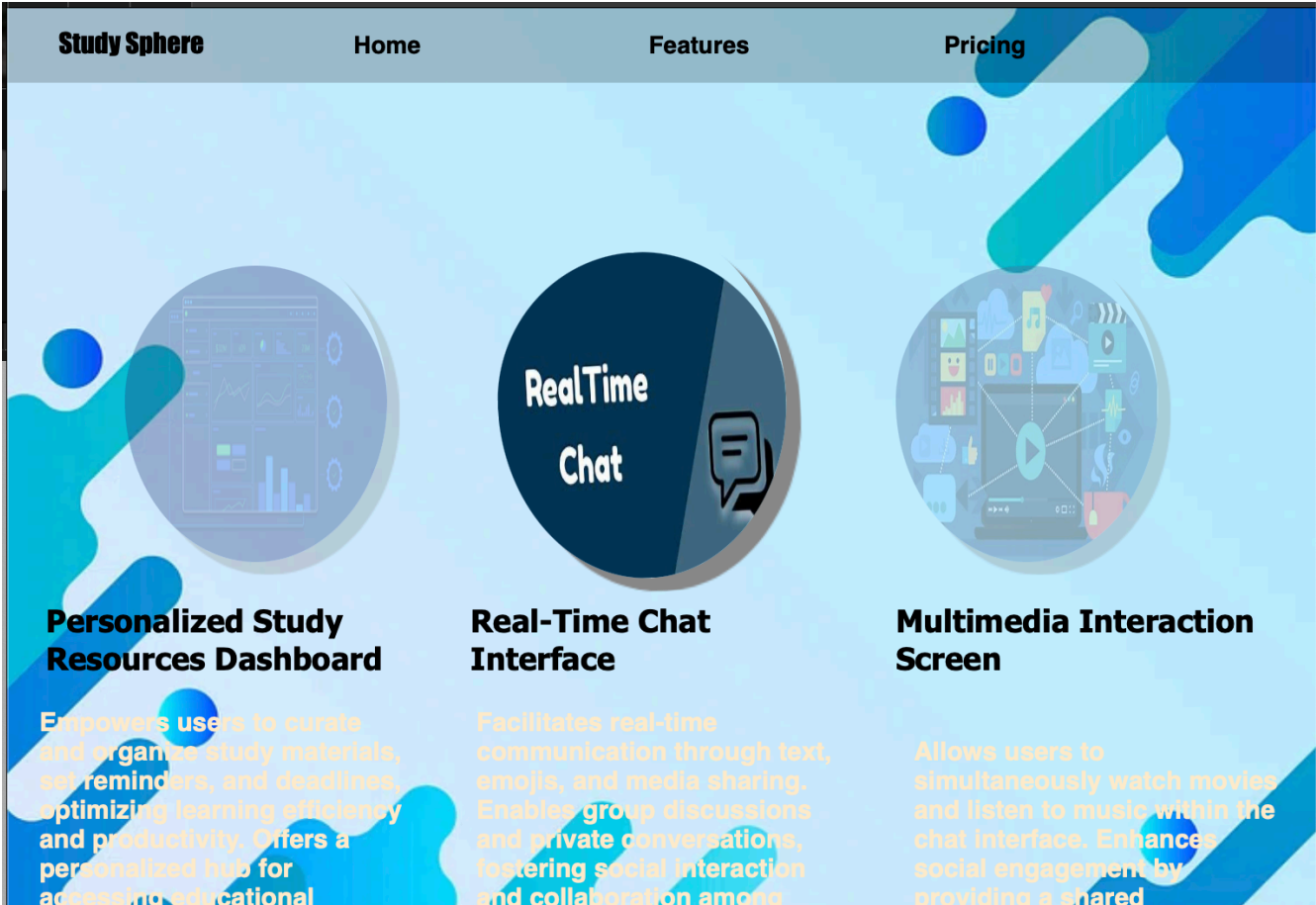
Enter Email

Password

Enter Password

Sign Up

Navigation bar 2



Navigation bar 3



RESULT :

Successfully Created a stylish Sign-In and Sign-Up page with a Navigation Bar using CSS for an enhanced user experience and seamless navigation.