

Experiment-1

1. Create your portfolio page using HTML tags

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Profile Page</title>
</head>
<body>

<h1 >Jane Doe</h1>
  
  <h3> Email: janedoe@johndoe.com</h3>
  <h3> Mobile Number :000-000-0000</h3>
  <hr width="100%" >
  <h3> Career Objective</h3>
  Seeking a responsible career opportunity in the field of
  Computer Science where I can utilize my logical and
  technical skills towards personal and professional development

  <h3> Academic Information </h3>
  <table border="3">
    <tr>
      <th>
        Course Details
      </th>
      <th>
        Institution
      </th>
      <th>
        University/Board
      </th>
      <th>
        Year of passing
      </th>
      <th>
        CGPA
      </th>
    </tr>
```

<table> <tr> <th>Bachelor of Technology (Computer Science)</th></tr> <tr> <th>Keshav Memorial Institute of Technology</th></tr> <tr> <td></td></tr> <tr> <th>JNTUH</th></tr> <tr> <td></td></tr> <tr> <th>2021</th></tr> <tr> <td></td></tr> <tr> <th>7.32</th></tr> </table>	Bachelor of Technology (Computer Science)	Keshav Memorial Institute of Technology		JNTUH		2021		7.32
Bachelor of Technology (Computer Science)								
Keshav Memorial Institute of Technology								
JNTUH								
2021								
7.32								
<table> <tr> <th>Intermediate-MPC</th></tr> <tr> <th>Narayana Junior College, TS</th></tr> <tr> <td></td></tr> <tr> <th>JNTUH</th></tr> <tr> <td></td></tr> <tr> <th>2017</th></tr> <tr> <td></td></tr> <tr> <th>93.9%</th></tr> </table>	Intermediate-MPC	Narayana Junior College, TS		JNTUH		2017		93.9%
Intermediate-MPC								
Narayana Junior College, TS								
JNTUH								
2017								
93.9%								

```

    <tr>
      <th>
        School of Secondary
        Certificate
      </th>
      <th>
        Vijaya Ratna Concept School
      </th>
      <th>
        SSC
      </th>
      <th>
        2015
      </th>
      <th>
        9.5
      </th>
    </tr>

</table>

<h3> Technical skills </h3>
<h4> Programming Languages</h4>
<ul>
  <li>C</li>
  <li>Java</li>
  <li>Python</li>
</ul>
<h4> Databases</h4>
<ul>
  <li>MySQL</li>
</ul>
<h4>Web Technologies</h4>
<ul>
  <li>HTML</li>
  <li>CSS</li>
  <li>Bootstrap</li>
  <li>Node</li>
  <li>ReactJS</li>
  <li>PHP</li>
</ul>

```

```

<h3> Projects </h3>
<ol>
  <li>
    <b> Project Title 1</b><br>
    <b> Technical Stack:</b> MERN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </li>
  <li>
    <b> Project Title 2</b><br>
    <b> Technical Stack:</b> MEAN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </li>
  <li>
    <b> Project Title 3</b><br>
    <b> Technical Stack:</b> LAMP <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </li>
</ol>

<h3> Achievements </h3>
<ol>
  <li> Certified in Neural Networks and Deep Learning by
Coursera </li>
  <li> Certified in Ethical Hacking course by NPTEL </li>
  <li> Participated in Scratch Programming Event in KMIT</li>
  <li> Participated in street cause </li>
</ol>

<h3> Strengths </h3>
<ul>
  <li> Positive attitude </li>
  <li> Self-motivated, focused and dedicated </li>
</ul>

```

```
<h3> Personal profile </h3>
<table>
  <tr><td><b>Current Location</b></td><td>:Hyderabad</td>
</tr>
  <tr><td><b>Date of Birth </b> </td><td>:00-00-2000</td>
</tr>
  <tr><td><b>Languages known</b></td><td>:English, Telugu,
Hindi</td> </tr>
</table >
</body>
</html>
```

EXPECTED OUTPUT:

EXPERIMENT-2

2. Update the portfolio page by adding styles to it. Add a contact Us form as well.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Profile Page</title>
</head>
<style>
  body {
    margin: 30px;
    font-family: Arial, Helvetica, sans-serif;
    font-size: 12px;
    line-height: 20px;
    background-color: #FCF8E8;
  }

  .profile {
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.735);
    max-width: 15%;
    display: block;
    margin-left: auto;
    margin-right: auto;
  }

  .profile-text{
    display: block;
    margin-left: auto;
    margin-right: auto;
    max-width: 10%;
  }

  #score {
    font-family: Arial, Helvetica, sans-serif;
    border-collapse: collapse;
    width: 70%;
```

```

}

#score td {
    border: 1px solid #ddd;
    padding: 8px;
}

#score th {
    padding-top: 12px;
    padding-bottom: 12px;
    text-align: left;
    background-color: #94B49F;
    color: white;
    text-decoration: solid;
}

.proj {
    margin: 10px;
    width: 30%;
    border: 2px solid #DF7861;
    padding: 5px;
    float: left;
}

#conform {
    margin: auto;
    border: 2px solid #DF7861;
    padding: 5px;
    float: left;
    width: 25%;
}
</style>
<body>
    
    <h1 class="profile-text">Jane Doe</h1>
    <h3> Email: janedoe@geemail.com</h3>
    <h3> Mobile Number :000-000-0000</h3>
    <hr width="100%" >
    <h3> Career Objective</h3>
    Seeking a responsible career opportunity in the field of
    Computer Science where I can utilize my logical and

```

technical skills towards personal and professional development

<h3> Academic Information </h3>

<table border="3" id="score">

<tr>

<th>

Course Details

</th>

<th>

Institution

</th>

<th>

University/Board

</th>

<th>

Year of passing

</th>

<th>

CGPA

</th>

</tr>

<tr>

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Bachelor of Technology
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</td>

<td>

Keshav Memorial

Institute of Technology

</td>

<td>

JNTUH

</td>

<td>

2021

</td>

<td>

7.32

</td>

</tr>

	Intermediate-MPC			
	Narayana Junior College, TS			
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	2017			
	93.9%			

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Technical skills

```

<h4> Programming Languages</h4>
<ul>
  <li>C</li>
  <li>Java</li>
  <li>Python</li>
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  <li>BootStrap</li>
  <li>Node</li>
  <li>ReactJS</li>
  <li>PHP</li>
</ul>

<h3> Projects </h3>

<div>
  <div class="proj">
    <b> Project Title 1</b><br>
    <b> Technical Stack:</b> MERN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </div>
  <div class="proj">
    <b> Project Title 2</b><br>
    <b> Technical Stack:</b> MEAN <br>
    Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
  </div>
  <div class="proj">
    <b> Project Title 3</b><br>

```

```

        <b> Technical Stack:</b> LAMP <br>
        Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
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    <tr><td><b>Current Location</b></td><td>:Hyderabad</td>
</tr>
    <tr><td><b>Date of Birth </b> </td><td>:00-00-2000</td>
</tr>
    <tr><td><b>Languages known</b></td><td>:English, Telugu,
Hindi</td> </tr>
</table >

<h3> Contact me</h3>
<div id="conform">
    <form action="mailto:janedoe@geemail.com" method="POST"
    enctype="text/plain" name="EmailForm">
    <b> Name: </b> <br> <input type="text" size="40"
name="ContactName"> <br>
    <b> Message: </b> <br> <textarea name="ContactComment"
rows="6"
cols="40"></textarea><br>

```

```
        <input type="submit" value="Submit">
    </form>
</div>

</body>
</html>
```

EXPECTED OUTPUT:

EXPERIMENT-3

3. Update the same page using external style sheets or move the added styles to a CSS file and add it to the HTML page

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Profile Page</title>
  <link rel="stylesheet" href="css/mystyle.css" />
</head>
<body>

  
  <h1 class="profile-text">Jane Doe</h1>
  <h3> Email: janedoe@geemail.com</h3>
  <h3> Mobile Number :000-000-0000</h3>
  <hr width="100%" >
  <h3> Career Objective</h3>
  Seeking a responsible career opportunity in the field of
  Computer Science where I can utilize my logical and
  technical skills towards personal and professional development

  <h3> Academic Information </h3>
  <table border="3" id="score">
    <tr>
      <th>
        Course Details
      </th>
      <th>
        Institution
      </th>
      <th>
        University/Board
      </th>
      <th>
        Year of passing
      </th>
    </tr>
  </table>

```



```

                93.9%
            </td>
        </tr>

        <tr>
            <td>
                School of Secondary
                Certificate
            </td>
            <td>
                Vijaya Ratna Concept School
            </td>
            <td>
                SSC
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                2015
            </td>
            <td>
                9.5
            </td>
        </tr>

    </table>

    <h3> Technical skills </h3>
    <h4> Programming Languages</h4>
    <ul>
        <li>C</li>
        <li>Java</li>
        <li>Python</li>
    </ul>
    <h4> Databases</h4>
    <ul>
        <li>MySQL</li>
    </ul>
    <h4>Web Technologies</h4>
    <ul>
        <li>HTML</li>
        <li>CSS</li>
        <li>BootStrap</li>
        <li>Node</li>
    </ul>

```

```

    <li>ReactJS</li>
    <li>PHP</li>
</ul>

<h3> Projects </h3>

<div>
    <div class="proj">
        <b> Project Title 1</b><br>
        <b> Technical Stack:</b> MERN <br>
        Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
    </div>
    <div class="proj">
        <b> Project Title 2</b><br>
        <b> Technical Stack:</b> MEAN <br>
        Lorem ipsum dolor, sit amet consectetur adipisicing
elit. Illum rerum omnis earum enim amet ducimus, fugit hic obcaecati
nam, suscipit magnam commodi impedit eos laboriosam nesciunt dolor
aspernatur deserunt modi</p>
    </div>
    <div class="proj">
        <b> Project Title 3</b><br>
        <b> Technical Stack:</b> LAMP <br>
        Lorem ipsum dolor, sit amet consectetur adipisicing
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</div>

<h3> Achievements </h3>
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```

<h3> Strengths </h3>
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<table>
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</tr>
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<div id="conform">
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  enctype="text/plain" name="EmailForm">
    <b> Name: </b> <br> <input type="text" size="40"
name="ContactName"> <br>
    <b> Message: </b> <br> <textarea name="ContactComment"
rows="6" cols="40"></textarea><br>
    <input type="submit" value="Submit">
  </form>
</div>

</body>
</html>

```

Mystyle.css

```

body {
margin: 0;
font-family: Arial, Helvetica, sans-serif;
font-size: 12px;
line-height: 20px;

```

```

background-color: #FCF8E8;
margin: 10px;
}
.profile {
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.735);
    max-width: 15%;
    display: block;
    margin-left: auto;
    margin-right: auto;
}
.profile-text{
    display: block;
    margin-left: auto;
    margin-right: auto;
    max-width: 10%;
}
#score {
font-family: Arial, Helvetica, sans-serif;
border-collapse: collapse;
width: 70%;
}

#score td, #score th {
border: 1px solid #ddd;
padding: 8px;
}

#score th {
padding-top: 12px;
padding-bottom: 12px;
text-align: left;
background-color: #94B49F;
color: white;
text-decoration: solid;
}

.proj {
margin: auto;
width: 30%;
border: 2px solid #DF7861;
padding: 5px;

```

```
float: left;
}

#conform {
margin: auto;
border: 2px solid #DF7861;
padding: 5px;
float: left;
width: 25%;
}
```

EXPECTED OUTPUT:

EXPERIMENT-4

4. Update the portfolio page to use Bootstrap.

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Jane Doe</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>
  <nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: #bd5d38;">
    <div class="container">
      <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
        <span class="navbar-toggler-icon"> </span>
```

```

        </button>

        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item active"><a class="nav-link"
href="#"><span class="fa fa-home fa-lg"></span> About</a></li>
                <li class="nav-item"><a class="nav-link"
href="#acads"><span class="fa fa-list fa-
lg"></span>Academics</a></li>
                <li class="nav-item"><a class="nav-link"
href="#techskills"><span class="fa fa-list fa-lg"></span>Technical
skills</a></li>
                <li class="nav-item"><a class="nav-link"
href="#projects"><span class="fa fa-info fa-lg"></span>
Projects</a></li>
                <li class="nav-item"><a class="nav-link"
href="#achieves"><span class="fa fa-info fa-lg"></span>
Achievements</a></li>
                <li class="nav-item"><a class="nav-link"
href="#contact"><span class="fa fa-address-card fa-lg"></span>
Contact Me</a></li>
            </ul>
        </div>
    </div>

</nav>

<div class="container-fluid" >
    <div class="row" id="about">

        <div class="col-sm-8">
            <h1 class="display-4">Jane Doe</h1>
            <p class="lead"><b> janedoe@geemail.com</b></p>
            <hr class="my-4">
            <p><b> Career Objective </b> <br>Seeking a
responsible career opportunity in the field of Computer Science
where I can utilize my logical and technical skills towards personal
and professional development </p>
            <p class="lead">

```

```

        </p>
    </div>
    <div class="col-sm-3">
        </span>
    </div>
</div>

<div class="row" id="acads">

    <div class="col-sm-8">
        <h1 class="display-4">Academics</h1>
        <table id="score" class="table table-striped table-
bordered">

            <tr>
                <th>
                    Course Details
                </th>
                <th>
                    Institution
                </th>
                <th>
                    University/Board
                </th>
                <th>
                    Year of passing
                </th>
                <th>
                    CGPA
                </th>
            </tr>

            <tr>
                <td>
                    Bachelor of Technology
                    (Computer Science)
                </td>
                <td>
                    Keshav Memorial
                    Institute of Technology

```

	JNTUH	2021	7.32
	Intermediate-MPC		
	Narayana Junior College, TS		
	JNTUH	2017	93.9%
	School of Secondary Certificate		
	Vijaya Ratna Concept School		
	SSC		

```

        <td>
            2015
        </td>
        <td>
            9.5
        </td>
    </tr>
</table>

</div>

</div>

<div class="row" id="techskills">

    <div class="col-sm-8">
        <h1 class="display-4">TechSkills</h1>
        <h4> Programming Languages</h4>
        <ul>
            <li>C</li>
            <li>Java</li>
            <li>Python</li>
        </ul>
        <h4> Databases</h4>
        <ul>
            <li>MySQL</li>
        </ul>
        <h4>Web Technologies</h4>
        <ul>
            <li>HTML</li>
            <li>CSS</li>
            <li>BootStrap</li>
            <li>Node</li>
            <li>ReactJS</li>
            <li>PHP</li>
        </ul>

    </div>

</div>

```



```

<div class="row" id="projects">

    <h1 class="display-4"> Projects</h1>
</div>
<div class="row" id="mycards">
    <div class="col-sm-3">
        <div class="card">
            <div class="card-body">
                <h5 class="card-title">Project Title
1</h5>

                <p class="card-text"> Praesentium
expedita iste veniam non. Deserunt voluptatum quibusdam sunt!
Recusandae quod vel sequi, consequatur ipsum voluptatibus cum
reiciendis quia, </p>

                <a href="#" class="btn btn-
primary">Launch Git</a>
            </div>
        </div>
    </div>
    <div class="col-sm-3">
        <div class="card">
            <div class="card-body">
                <h5 class="card-title">Project Title
2</h5>

                <p class="card-text"> Lorem ipsum
dolor sit amet, consectetur adipisicing elit. Dolorum quod excepturi
dolores ad. Excepturi expedita incidunt mollitia architecto sit,</p>
                <a href="#" class="btn btn-
primary">Launch Project</a>
            </div>
        </div>
    </div>

    <div class="col-sm-3">
        <div class="card">
            <div class="card-body">
                <h5 class="card-title">Project Title
3</h5>

                <p class="card-text">Lorem ipsum
dolor sit amet consectetur adipisicing elit. Voluptatem nostrum

```

aliquid cupiditate totam. Quia unde adipisci voluptates, consectetur earum, </p>

```
<a href="#" class="btn btn-primary">Launch Bitbucket</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="row" id="achieves">
```

```
<div class="col-sm-8">
```

```
<h1 class="display-4">Achievements</h1>
```

```
<ol class="mt-4 px-5">
```

```
<li> Certified in Neural Networks and Deep Learning by Coursera </li>
```

```
<li> Certified in Ethical Hacking course by NPTEL </li>
```

```
<li> Participated in Scratch Programming Event in KMIT</li>
```

```
<li> Participated in street cause </li>
```

```
</ol>
```

```
</p>
```

```
</div>
```

```
</div>
```

```
<div class="row" id="contact">
```

```
<div class="col-sm-8">
```

```
<h1 class="display-4">Contact Me</h1>
```

```
<div id="conform">
```

```
<form
```

```
action="mailto:janedoe@geemail.com" method="POST"
```

```

                                enctype="text/plain"
name="EmailForm">
                                <b> Name: </b> <br> <input
type="text" size="40" name="ContactName"> <br>
                                <b> Message: </b>    <br>
<textarea name="ContactComment" rows="6" cols="40"></textarea><br>
                                <input type="submit"
value="Submit">
                                </form>
                                </div>
                                </div>
                                </div>

<!-- Footer-->
<footer class="footer text-center">
    <div class="container">
        <div class="row">
            <!-- Footer Location-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class="mb-4">Location</h5>
                <p class="lead mb-0">
                    27 Jane Street, Jane Doe
                    <br />
                    TS 5000029
                </p>
            </div>
            <!-- Footer Social Icons-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class="mb-4">Around the Web</h5>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
                <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
            </div>
            <!-- Footer About Text-->
            <div class="col-lg-4">
                <h5 class="mb-4">About</h5>

```

```
body{
    background-color: #fcf8e8;
}
.row{
    padding-top: 4rem;
}
.row-header{
    margin:0px auto;
    padding:0px;
}

.row-content {
    margin:0px auto;
    padding: 50px 0px 50px 0px;
    border-bottom: 1px ridge;
    min-height:400px;
}
```

```
}

.footer{
  background-color:#bd5d38;
  margin:0px auto;
  padding: 20px 0px 20px 0px;
  color: white;
}
.copyright{
  background-color:#9e3208
}
.address{
  font-size:80%;
  margin:0px;
  color:#0f0f0f;
}
body{
  padding:0px 0px 0px 0px;
  z-index:0;
}

#mynav{
  background-color: #bd5d38;
  color: white;
  z-index: 1;
}
.proimage{
border: 0.5rem solid #c8927f;
}

#achieves{
  margin-bottom: 18rem;
}
#acads{
  margin-bottom: 10rem;
}
#mycards{
  margin-bottom: 10rem;
}

#about{
  margin-bottom: 18rem;
```

```
}

#contact{
  margin-bottom: 5rem;
}

/* scroll */
html {
  scroll-behavior: smooth;
}
```

EXPECTED OUTPUT:

EXPERIMENT-5

5. Create Home, About Us, Products, Partners, Contact Us pages for a static e-commerce website using Bootstrap. Add a gallery page using Bootstrap grid model. Add Navbar, header and footer to all pages. Add a Login link (Modal).

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Buy Best!</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>
  <nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
```

```

    <div class="container">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
            <span class="navbar-toggler-icon"> </span>
        </button>
        <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
            
        </a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item active"><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item"><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item"><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>
        </div>
        <span class="navbar-text">
            <a data-toggle="modal" data-target="#loginModal">
                <span class="fa fa-sign-in"></span> Login</a>
        </span>
    </div>
</nav>

<!-- Modal content-->
<div class="modal fade" id="loginModal" tabindex="-1"
role="dialog" aria-labelledby="myModalLabel"
aria-hidden="true">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <div class="modal-header text-center">
                <h4 class="modal-title w-100 font-weight-
bold">Login</h4>

```



```

        <button type="button" class="close" data-
dismiss="modal" aria-label="Close">
        <span aria-hidden="true">&times;</span>
        </button>
    </div>
    <div class="modal-body mx-1">
        <div class="md-form mb-1">
            <i class="fas fa-envelope prefix grey-
text"></i>
            <input type="email" id="defaultForm-email"
class="form-control validate">
            <label data-error="wrong" data-
success="right" for="defaultForm-email">Your email</label>
        </div>
        <div class="md-form mb-1">
            <i class="fas fa-lock prefix grey-text"></i>
            <input type="password" id="defaultForm-pass"
class="form-control validate">
            <label data-error="wrong" data-success="right"
for="defaultForm-pass">Your password</label>
        </div>
    </div>
    <div class="modal-footer d-flex justify-content-
center">
        <button class="btn btn-default">Login</button>
    </div>
</div>
</div>
</div>

<div class="text-center">
    <a href="" class="btn btn-default btn-rounded mb-1" data-
toggle="modal" data-target="#modalLoginForm">Launch
        Login Form
    </a>
</div>
</div>
</div>

<div class="container">
    <div class="row">

```

```

        <img src ="imgs/home3.jpg" width="100%" height="auto"/>
    </div>
</div>

<!-- Footer-->
<footer class="footer text-center">
    <div class="container">
        <div class="row">
            <!-- Footer Location-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class=" mb-4">Location</h5>
                <p class="lead mb-0">
                    27 Jane Street, John Doe
                    <br />
                    TS 5000027
                </p>
            </div>
            <!-- Footer Social Icons-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class=" mb-4">Around the Web</h5>
                <a class="btn btn-outline-light btn-social mx-1"
href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
                <a class="btn btn-outline-light btn-social mx-1"
href="#"><i class="fab fa-fw fa-twitter"></i></a>
                <a class="btn btn-outline-light btn-social mx-1"
href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
            </div>
            <!-- Footer About Text-->
            <div class="col-lg-4">
                <h5 class="mb-4">About</h5>
                <p class="lead mb-0">
                    BuyBest
                </p>
            </div>
        </div>
    </div>
</footer>

<!-- Copyright Section-->

```

```

    <div class="copyright py-4 text-center text-white">
      <div class="container"><small>Copyright &copy; John Doe
2022</small></div>
    </div>
  </div>
</body>
</html>

```

Aboutus.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Buy Best!</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

  </head>
<body>

```

```

<nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
    <div class="container">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
            <span class="navbar-toggler-icon"> </span>
        </button>
        <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
            
</a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item "><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item active"><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item"><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>

            </div>
        </div>

    </nav>

    <div class="container">

        <div class="row">
            <div class="col-12 col-sm-10 mt-4">
                <p>
Welcome to BuyBest, your number one source for all
phones and
                gadgets.<br> <p> We are dedicated to giving you the
very best, with a focus on

```

dependability, customer service and uniqueness. Founded in 2019 , BuyBest has come a long way from its beginnings in a home office, toolshed, Hyderabad, TS. When Maithri R first started out, her passion was to help others by providing the best gadgets , this drove her to do intense research, quit her day job, and gave her the impetus to turn hard work and inspiration into a booming online store. We now serve customers all over Telangana, and are thrilled to be a part of the fair trade wing of the gadgets industry.

</p>
<p>
We hope you enjoy our products as much as we enjoy offering them to you.
If you have any questions or comments, please don't hesitate to contact us.

</p>
Sincerely,

Chaithra R,

CEO
</div>
</div>

```
<!-- Footer-->
<footer class="footer text-center">
  <div class="container">
    <div class="row">
      <!-- Footer Location-->
      <div class="col-lg-4 mb-5 mb-lg-0">
        <h5 class="mb-4">Location</h5>
        <p class="lead mb-0">
          27 Jane Street, John Doe
        <br />
      </div>
    </div>
  </div>
</footer>
```

```

TS 5000027
    </p>
  </div>
  <!-- Footer Social Icons-->
  <div class="col-lg-4 mb-5 mb-lg-0">
    <h5 class="mb-4">Around the Web</h5>
    <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
    <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
    <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
  </div>
  <!-- Footer About Text-->
  <div class="col-lg-4">
    <h5 class="mb-4">About</h5>
    <p class="lead mb-0">
      Buy Best
    </p>
  </div>
</div>
</div>

</footer>

  <!-- Copyright Section-->
  <div class="copyright py-4 text-center text-white">
    <div class="container"><small>Copyright &copy; John
Doe 2022</small></div>
  </div>

</div>

</body>
</html>

```

Contactus.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Buy Best!</title>

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
  <link href="css/mystyle.css" rel="stylesheet">
  <!-- Font Awesome icons (free version)-->
  <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>
  <nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
    <div class="container">
      <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
        <span class="navbar-toggler-icon"> </span>
      </button>
      <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
```

```

        
</a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item "><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item "><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item active" ><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>
        </div>
    </div>
</nav>
<div class="container">

    <div class="row">
        <div class="col-12 col-sm-10 mt-4">
            <div class="col-sm-8">
                <h3 class="display-4">Contact Us</h3>
                <div id="conform">
                    <form action="mailto:janedoe@geemail.com"
method="POST"
                    enctype="text/plain" name="EmailForm">
                        Name:<br> <input type="text" size="40"
name="ContactName"> <br>
                        Message: <br> <textarea
name="ContactComment" rows="6" cols="40"></textarea><br>
                        <input type="submit" value="Submit">
                    </form>
                </div>
            </div>
        </div>
    </div>
</div>

```



```

</div>

<!-- Footer-->
<footer class="footer text-center">
  <div class="container">
    <div class="row">
      <!-- Footer Location-->
      <div class="col-lg-4 mb-5 mb-lg-0">
        <h5 class="mb-4">Location</h5>
        <p class="lead mb-0">
          27 Jane Street, John Doe
          <br />
          TS 5000027
        </p>
      </div>
      <!-- Footer Social Icons-->
      <div class="col-lg-4 mb-5 mb-lg-0">
        <h5 class="mb-4">Around the Web</h5>
        <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
        <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
        <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
      </div>
      <!-- Footer About Text-->
      <div class="col-lg-4">
        <h5 class="mb-4">About</h5>
        <p class="lead mb-0">
          Buy Best
        </p>
      </div>
    </div>
  </div>

</footer>

<!-- Copyright Section-->
<div class="copyright py-4 text-center text-white">

```

```

                <div class="container"><small>Copyright &copy; John
Doe 2022</small></div>
            </div>
        </div>

</body>
</html>

```

Gallery.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Buy Best!</title>

    <!-- Bootstrap CSS -->

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstra
p.min.css">
    <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.
js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.m
in.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.
bundle.min.js"></script>
    <link href="css/mystyle.css" rel="stylesheet">
    <!-- Font Awesome icons (free version)-->
    <script
src="https://use.fontawesome.com/releases/v6.1.0/js/all.js"
crossorigin="anonymous"></script>

</head>
<body>

```

```

<nav class="navbar navbar-dark navbar-expand-sm fixed-top"
style="background-color: darkblue;">
    <div class="container">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#Navbar">
            <span class="navbar-toggler-icon"> </span>
        </button>
        <a class="navbar-brand mr-auto" href="#"> <a
class="navbar-brand mr-auto" href="#">
            
</a>
        <div class="collapse navbar-collapse" id="Navbar">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item "><a class="nav-link"
href="index.html"><span class="fa fa-home fa-lg"></span>
Home</a></li>
                <li class="nav-item"><a class="nav-link"
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About
Us</a></li>
                <li class="nav-item"><a class="nav-link active"
href="gallery.html"><span class="fa fa-info fa-lg"></span>
Products</a></li>
                <li class="nav-item"><a class="nav-link"
href="contactus.html"><span class="fa fa-address-card fa-lg"></span>
Contact Us</a></li>
            </ul>
        </div>
    </div>
</nav>

<div class="container">

    <div class="row">
        <div class="col-12 col-sm-3">
            <div class="media">
                

```

```

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

            </div>
        </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

            </div>
        </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

            </div>
        </div>
    </div>

    <div class="row">
        <div class="col-12 col-sm-3">
            <div class="media">
                

                </div>
            </div>
        <div class="col-12 col-sm-3">
            <div class="media">
                

    </div>
</div>
<div class="col-12 col-sm-3">
    <div class="media">
        

    </div>
</div>
<div class="col-12 col-sm-3">
    <div class="media">
        

    </div>
</div>
</div>

<div class="row">
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">

```

```

    </div>
</div>
<div class="col-12 col-sm-3">
    <div class="media">
        

    </div>
</div>
</div>

<!-- Footer-->
<footer class="footer text-center">
    <div class="container">
        <div class="row">
            <!-- Footer Location-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h5 class=" mb-4">Location</h5>
                <p class="lead mb-0">
                    27 Jane Street, John Doe
                <br />
                TS 5000027
            </p>
        </div>
        <!-- Footer Social Icons-->
        <div class="col-lg-4 mb-5 mb-lg-0">
            <h5 class=" mb-4">Around the Web</h5>
            <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-facebook-f"></i></a>
            <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-twitter"></i></a>
            <a class="btn btn-outline-light btn-social
mx-1" href="#"><i class="fab fa-fw fa-linkedin-in"></i></a>
        </div>
        <!-- Footer About Text-->

```

```

        <div class="col-lg-4">
            <h5 class="mb-4">About</h5>
            <p class="lead mb-0">
                Buy Best
            </p>
        </div>
    </div>
</div>

</footer>

    <!-- Copyright Section-->
    <div class="copyright py-4 text-center text-white">
        <div class="container"><small>Copyright &copy; John
Doe 2022</small></div>
    </div>

</div>

</body>
</html>

```

Mystyle.css

```

body{
    background-color: #fcf8e8;
    font-family: sans-serif;
}
.row{
    padding-top: 4rem;
}
.row-header{
    margin: 0px auto;
    padding: 0px;
}

.row-content {
    margin: 0px auto;
    padding: 50px 0px 50px 0px;
    border-bottom: 1px ridge;
}

```

```

    min-height:400px;
}

.footer{
    background-color:darkblue;
    margin:0px auto;
    padding: 20px 0px 20px 0px;
    color: white;
}

.copyright{
    background-color:darkblue
}

.address{
    font-size:80%;
    margin:0px;
    color:#0f0f0f;
}

body{
    padding:0px 0px 0px 0px;
}

#mynav{
    background-color: #bd5d38;
    color: white;
    z-index: 1;
}

.proimage{
border: 0.5rem solid #c8927f;
}

#achieves{
    margin-bottom: 18rem;
}

#acads{
    margin-bottom: 10rem;
}

#mycards{
    margin-bottom: 10rem;
}

#about{
    margin-bottom: 18rem;
}

```



```
}

#contact{
  margin-bottom: 5rem;
}

/* scroll */
html {
  scroll-behavior: smooth;
}
```

EXPECTED OUTPUT:

EXPERIMENT-6

6. Add a weather component to the home page of the above website, using ReactJS.

Lab6.js

```
import React, { useState, useEffect } from 'react';
import axios from 'axios';
const Lab6 = () => {
  const [weather, setWeather] = useState(null);
  const [loading, setLoading] = useState(true);
  const [error, setError] = useState(null);
  const city = "Hyderabad"; //Replace with any city name
  const apiKey = '61a1d8419f9d307924240958d89e284d'; // Replace with
your actual OpenWeatherMap API key
  useEffect(() => {
    const fetchWeather = async () => {
      try {
        const response = await axios.get(
`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${a
piKey}`
        );
        setWeather(response.data);
        setLoading(false);
      } catch (err) {
        setError(err);
        setLoading(false);
      }
    };
    fetchWeather();
  }, []);
  if (loading) return <p>Loading weather...</p>;
  if (error) return <p>Error fetching weather: {error.message}</p>;
  return (
    <div>
      <h2>Weather in {weather.name}</h2>
      <p>Temperature: {(weather.main.temp - 273.15).toFixed(2)}°C</p>
      <p>Condition: {weather.weather[0].description}</p>
    </div>
  );
};
```

```
export default Lab6;
```

app.js

```
import logo from './logo.svg';
import './App.css';
import Lab6 from './Lab6';

function App() {
  return (
    <div className="App">
      <Lab6/>

    </div>
  );
}

export default App;
```

EXPECTED OUTPUT:

EXPERIMENT-7

7. Update the 'contact us' page to a ReactJS component. An email should be sent each time contact us form is submitted

EmailForm.js

```
import React, { useState } from 'react';
import './EmailForm.css'; // Make sure to import the CSS file
const formConfig = [
  { id: 1, type: "text", name: "firstName", placeholder: "First Name" },
  { id: 2, type: "text", name: "lastName", placeholder: "Last Name" },
  { id: 3, type: "email", name: "email", placeholder: "Email" },
  { id: 4, type: "textarea", name: "message", placeholder: "Message" },
];
// Custom Dynamic Input Component
function InputField({ type, name, placeholder, value, onChange }) {
  if (type === "textarea") {
    return (
      <textarea
        className="form-textarea"
        name={name}
        placeholder={placeholder}
        value={value}
        onChange={onChange}
        required
      />
    );
  }
  return (
    <input
      className="form-input"
      type={type}
      name={name}
      placeholder={placeholder}
      value={value}
      onChange={onChange}
      required
    />
  );
}
```

```

const EmailForm = () => {
  const [formData, setFormData] = useState({
    firstName: '',
    lastName: '',
    email: '',
    message: ''
  });
  const handleChange = (e) => {
    const { name, value } = e.target;
    setFormData((prevData) => ({
      ...prevData,
      [name]: value
    }));
  };
  const handleSubmit = (e) => {
    e.preventDefault();
    // Print form data to console
    console.log('Form Data:', formData);
    // Clear the form fields
    setFormData({
      firstName: '',
      lastName: '',
      email: '',
      message: ''
    });
    // Alert the user
    alert('Form submitted successfully!');
  };
  return (
    <div className="form-container">
      <form className="email-form" onSubmit={handleSubmit}>
        {formConfig.map((field) => (
          <div className="form-field" key={field.id}>
            <label className="form-label">
              {field.placeholder}:
            <InputField
              type={field.type}
              name={field.name}
              placeholder={field.placeholder}
              value={formData[field.name]}
              onChange={handleChange}
            />
          </div>
        ))}
      </form>
    </div>
  );
};

```

```

</label>
</div>
))}
<button className="form-button" type="submit">Send</button>
</form>
</div>
);
};
export default EmailForm;

```

EmailForm.css

```

.form-container {
max-width: 600px;
margin: 0 auto;
padding: 20px;
background-color: #f9f9f9;
border: 1px solid #ddd;
border-radius: 8px;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}
.email-form {
display: flex;
flex-direction: column;
}
.form-field {
margin-bottom: 15px;
}
.form-label {
font-weight: bold;
margin-bottom: 5px;
display: block;
}
.form-input,
.form-textarea {
width: 100%;
padding: 10px;
border: 1px solid #ccc;
border-radius: 4px;
box-sizing: border-box;
font-size: 16px;
}

```

```
}  
.form-input:focus,  
.form-textarea:focus {  
border-color: #007BFF;  
outline: none;  
}  
.form-textarea {  
resize: vertical;  
height: 100px;  
}  
.form-button {  
padding: 10px 20px;  
background-color: #007BFF;  
color: white;  
border: none;  
border-radius: 4px;  
cursor: pointer;  
font-size: 16px;  
}  
.form-button:hover {  
background-color: #0056b3;  
}
```

App.js

```
import React from 'react';  
import EmailForm from './components/EmailForm';  
const App = () => {  
  return (  
    <div>  
      <EmailForm/>  
    </div>  
  );  
};  
export default App;
```

EXPECTED OUTPUT:

EXPERIMENT-8

8. Add a Login component using ReactJS. User should be able to login, using pre-defined logins. Session should be maintained using react hooks.

Usesession.js

```
import { useState, useEffect, useCallback, useRef } from 'react';

// Custom hook for session management
const useSession = (timeout = 60000) => { // Default timeout is set
  to 1 minutes
  const [session, setSession] = useState(() => {
    const storedSession = localStorage.getItem('session');
    return storedSession ? JSON.parse(storedSession) : null;
  });

  const timeoutRef = useRef();

  const clearSession = useCallback(() => {
    setSession(null);
    localStorage.removeItem('session');
  }, []);

  const resetTimeout = useCallback(() => {
    if (timeoutRef.current) {
      clearTimeout(timeoutRef.current);
    }
    timeoutRef.current = setTimeout(clearSession, timeout);
  }, [clearSession, timeout]);

  const saveSession = (sessionData) => {
    setSession(sessionData);
    localStorage.setItem('session', JSON.stringify(sessionData));
    resetTimeout();
  };

  useEffect(() => {
    if (session) {
      resetTimeout();
    }
  })
}
```

```

    return () => {
      if (timeoutRef.current) {
        clearTimeout(timeoutRef.current);
      }
    };
  }, [session, resetTimeout]);

  return { session, saveSession, clearSession };
};

export default useSession;

```

App.js

```

import React from 'react';
import useSession from './useSession';

const App = () => {
  const { session, saveSession, clearSession } = useSession(60000);
  // 1 minute timeout

  const handleLogin = () => {
    // Simulate a login and save session data
    const sessionData = { user: 'John Doe', token: 'abc123' };
    saveSession(sessionData);
  };

  const handleLogout = () => {
    // Clear session data on logout
    clearSession();
  };

  return (
    <div>
      <h1>Session Management in React</h1>
      {session ? (
        <div>
          <p>Welcome, {session.user}!</p>
          <button onClick={handleLogout}>Logout</button>
        </div>
      ) : (
        <p>Please login</p>
      )}
    </div>
  );
};

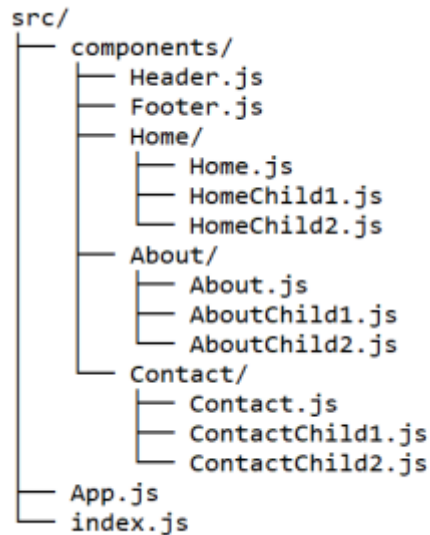
```

```
    ) : (  
      <div>  
        <p>Please log in.</p>  
        <button onClick={handleLogin}>Login</button>  
      </div>  
    )}  
  </div>  
);  
};  
  
export default App;
```

EXPECTED OUTPUT:

9. Each page in the site should be a React JS component and the elements in each page should be child components

Folder structure:



Header.js

```

import React from 'react';
const Header = () => {
  return (
    <header>
      <h1>My Website</h1>
      <nav>
        <a href="/">Home</a>
        <a href="/about">About</a>
        <a href="/contact">Contact</a>
      </nav>
    </header>
  );
};
export default Header;
  
```

Footer.js

```

import React from 'react';
const Footer = () => {
  return <footer>© 2024 My Website</footer>;
};
export default Footer;
  
```

comp/Home.js

```

import React from 'react';
import HomeChild1 from './HomeChild1';
import HomeChild2 from './HomeChild2';
const Home = () => {
  return (
    <div>
      <h2>Home Page</h2>
      <HomeChild1 />
      <HomeChild2 />
    </div>
  );
};
export default Home;
Home/HomeChild1.js
import React from 'react';
const HomeChild1 = () => {
  return <div>Home Child 1 Content</div>;
};
export default HomeChild1;
Home/HomeChild2.js
import React from 'react';
const HomeChild2 = () => {
  return <div>Home Child 2 Content</div>;
};
export default HomeChild2;

```

About/About.js

```

import React from 'react';
import AboutChild1 from './AboutChild1';
import AboutChild2 from './AboutChild2';
const About = () => {
  return (
    <div>
      <h2>About Page</h2>
      <AboutChild1 /> <AboutChild2 /> </div>
    );
};

```

```
export default About;
```

About/Aboutchild1.js

```
import React from 'react';
const AboutChild1 = () => {
  return <div>About Child 1 Content</div>;
};
export default AboutChild1;
```

About/Aboutchild2.js

```
import React from 'react';
const AboutChild2 = () => {
  return <div>About Child 2 Content</div>;
};
export default AboutChild2;
```

Apps.js

```
import React from 'react';
import Home from './components/Home/Home';
const App = () => {
  return (
    <div>
      <Home/>
    </div>
  );
};
export default App;
```

EXPECTED OUTPUT:

Experiment – 10

10 React Routing should be used to take care of routing from browser location bar and also from Navbar

App.js

```
import React from 'react';
import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';
import Home from './components/Home';
import About from './components/About';
import Contact from './components/Contact';
import Navbar from './components/Navbar';
function App() {
  return (
    <Router>
    <div>
    <Navbar />
    <Routes>
    <Route path="/" element={<Home />} />
    <Route path="/about" element={<About />} />
    <Route path="/contact" element={<Contact />} />
    </Routes>
    </div>
    </Router>
  );
}
export default App;
```

Home.js

```
import React from 'react';
const Home = () => {
  return (
    <div>
    <h1>Home Page</h1>
    <p>Welcome to the Home page!</p>
    </div>
  );
}
export default Home;
```


About.js

```
import React from 'react';
const About = () => {
  return (
    <div>
      <h1>About Page</h1>
      <p>Welcome to the About page!</p>
    </div>
  );
}
export default About;
```

Contact.js

```
import React from 'react';
const Contact = () => {
  return (
    <div>
      <h1>Contact Page</h1>
      <p>Welcome to the Contact page!</p>
    </div>
  );
}
export default Contact;
```

EXPECTED OUTPUT

