

**KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY
(KMIT)**

(Approved by AICTE, New Delhi and Affiliated to JNTUH)

Narayanaguda, Hyderabad – 500029

(Autonomous)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LAB MANUAL

WEB TECHNOLOGIES LAB

B.Tech III YEAR I SEM (KR20 REGULATIONS)

ACADEMIC YEAR 2022-23



KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY

(Approved by AICTE & Govt of T.S and Affiliated to JNTUH)
3-5-1026, Narayanaguda, Hyderabad-29. Ph: 040-23261407

Department Of Computer Science & Engineering

Vision of the Institution:

To be the fountain head of latest technologies, producing highly skilled, globally competent engineers.

Mission of the Institution:

- To provide a learning environment that inculcates problem solving skills, professional, ethical responsibilities, lifelong learning through multi modal platforms and prepare students to become successful professionals.
- To establish Industry Institute Interaction to make students ready for the industry.
- To provide exposure to students on latest hardware and software tools.
- To promote research based projects/activities in the emerging areas of technology convergence.
- To encourage and enable students to not merely seek jobs from the industry but also to create new enterprises
- To induce a spirit of nationalism which will enable the student to develop, understand India's challenges and to encourage them to develop effective solutions.
- To support the faculty to accelerate their learning curve to deliver excellent service to students



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Department Of Computer Science & Engineering

Vision & Mission of Department

Vision of the Department:

To be among the region's premier teaching and research Computer Science and Engineering departments producing globally competent and socially responsible graduates in the most conducive academic environment.

Mission of the Department:

- To provide faculty with state-of-the-art facilities for continuous professional development and research, both in foundational aspects and of relevance to emerging computing trends.
- To impart skills that transform students to develop technical solutions for societal needs and inculcate entrepreneurial talents.
- To inculcate an ability in students to pursue the advancement of knowledge in various specializations of Computer Science and Engineering and make them industry-ready.
- To engage in collaborative research with academia and industry and generate adequate resources for research activities for seamless transfer of knowledge resulting in sponsored projects and consultancy.
- To cultivate responsibility through sharing of knowledge and innovative computing solutions that benefit the society-at-large.
- To collaborate with academia, industry and community to set high standards in academic excellence and in fulfilling societal responsibilities.



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PROGRAM OUTCOMES (POs)

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



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Department of Computer Science & Engineering

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: An ability to analyze the common business functions to design and develop appropriate Computer Science solutions for social upliftments.

PSO2: Shall have expertise on the evolving technologies like Python, Machine Learning, Deep Learning, Internet of Things (IOT), Data Science, Full stack development, Social Networks, Cyber Security, Big Data, Mobile Apps, CRM, ERP etc.



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Department of Computer Science & Engineering

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Graduates will have successful careers in computer related engineering fields or will be able to successfully pursue advanced higher education degrees.

PEO2: Graduates will try and provide solutions to challenging problems in their profession by applying computer engineering principles.

PEO3: Graduates will engage in life-long learning and professional development by rapidly adapting changing work environment.

PEO4: Graduates will communicate effectively, work collaboratively and exhibit high levels of professionalism and ethical responsibility.

COURSE OBJECTIVE:

This lab complements the Web Technologies course

1. Comprehend and apply the concepts of JavaScript
2. Gain knowledge and to build a web page using HTML and Bootstrap
3. Implement the server-side functionality using NodeJS and ExpressJS
4. Comprehend and demonstrate the application of Express routing mechanism
5. Practice and demonstrate the working of NoSQL databases and to implement the integration of front end with backend database (MongoDB) using ExpressJS

COURSE OUTCOMES:

At the end of the course the student is able to

CO1: Apply HTML, CSS and Bootstrap effectively to create interactive and responsive portfolio website
CO2: Develop a component-based web UI for site using ReactJS.
CO3: Apply event handling mechanism for the component-based UI
CO4: Comprehend, design and build a web application using React Hooks
CO5: Develop a web application using routing and AJAX methodology

CO VS PO MAPPING:

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
CO1	1	1	2		2							
CO2	2	1	3	1	2							
CO3	2		2		2							
CO4	2	2	2	1	1							
CO5	2	2	2	1	2							

CO-PSO Matrix:

	PSO-1	PSO-2
CO1	2	2
CO2	2	3
CO3	1	2
CO4	2	3
CO5	2	3

List Of Experiments

Exp No.	Experiment Name	Page No.
1	Create your portfolio page using HTML tags	<u>8</u>
2	Update the portfolio page by adding styles to it. Add a contact Us form as well.	<u>15</u>
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	<u>23</u>
4	Update the portfolio page to use Bootstrap	<u>30</u>
5	Create Home, AboutUs, 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).	<u>44</u>
6	Add a weather component to the home page of the above website, using ReactJS.	<u>68</u>
7	Update the 'contact us' page to a ReactJS component. An email should be sent each time contact us form is submitted	<u>74</u>
8	Add a Login component using ReactJS. (This part is Experiment 11 User should be able to login, using pre-defined logins. Session should be maintained using local storage)	<u>79</u>
9	Each page in the site should be a React JS component and the elements in each page should be child components.	<u>84</u>
10	React Routing should be used to take care of routing from browser location bar and also from Navbar	<u>84</u>
11	User should be able to login, using pre-defined logins. Session should be maintained using local storage.	<u>100</u>

EXPERIMENT 1

1. Create your portfolio page using HTML tags

Code:

```
<!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>

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

```

2021	
7.32	
Intermediate-MPC	
Narayana Junior College, TS	
JNTUH	
2017	
93.9%	
School of Secondary Certificate	
Vijaya Ratna Concept School	
SSC	
2015	
9.5	

Technical skills

Programming Languages

- C
- Java

```

    <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>

```

Jane Doe



Email: janedoe@johndoe.com

Mobile Number :000-000-0000

Career Objective

Seeking a responsible career opportunity in the field of Computer Science where I can utilize my logical and technical skills towards personal and

Academic Information

Course Details	Institution	University/Board	Year of passing	CGPA
Bachelor of Technology (Computer Science)	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	2015	9.5

Technical skills

Programming Languages

- C
- Java

Databases

- MySQL

Web Technologies

- HTML
- CSS
- BootStrap
- Node
- ReactJS
- PHP

Projects

1. Project Title 1

Technical Stack: MERN

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Illum rerum omnis earum enim amet ducimus, fugit hic ob aspernatur deserunt modi

2. Project Title 2

Technical Stack: MEAN

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Illum rerum omnis earum enim amet ducimus, fugit hic ob aspernatur deserunt modi

3. Project Title 3

Technical Stack: LAMP

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Illum rerum omnis earum enim amet ducimus, fugit hic ob aspernatur deserunt modi

Achievements

1. Certified in Neural Networks and Deep Learning by Coursera
2. Certified in Ethical Hacking course by NPTEL
3. Participated in Scratch Programming Event in KMIT
4. Participated in street cause

Strengths

- Positive attitude
- Self-motivated, focused and dedicated

Personal profile

Current Location :Hyderabad

Date of Birth :00-00-2000

Languages known :English, Telugu, Hindi

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: 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%;
}
</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>
```



```

        <td>
            SSC
        </td>
        <td>
            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>
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<h4>Web Technologies</h4>
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    <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 nam, suscipit magnam
            commodi impedit eos laboriosam nesciunt dolor aspernatur deserunt modi</p>
        </div>
    </div>

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    </ol>

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

    <h3> Personal profile </h3>
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        <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



Jane Doe

Email: janedoe@gmail.com

Mobile Number :000-000-0000

Career Objective

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Technical skills

Programming Languages

- C
- Java
- Python

Databases

- MySQL

Web Technologies

- HTML
- CSS
- Bootstrap
- Node
- ReactJS
- PHP

Projects

Project Title 1 Technical Stack: MERN 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	Project Title 2 Technical Stack: MEAN 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	Project Title 3 Technical Stack: LAMP 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
--	--	--

Achievements

1. Certified in Neural Networks and Deep Learning by Coursera
2. Certified in Ethical Hacking course by NPTEL
3. Participated in Scratch Programming Event in KMIT
4. Participated in street cause

Strengths

- Positive attitude
- Self-motivated, focused and dedicated

Personal profile

Current Location :Hyderabad

Date of Birth :00-00-2000

Languages known :English, Telugu, Hindi

Contact me

Name:

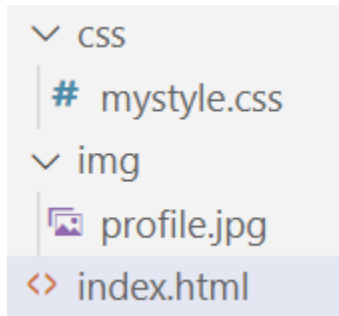
Message:

Submit

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

Folder Structure –



Css file –

```
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%;
}

```

Html file -

```

<!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>
    <th>
      CGPA
    </th>
  </tr>

  <tr>
    <td>
      Bachelor of Technology
      (Computer Science)
    </td>
    <td>
      Keshav Memorial
      Institute of Technology
    </td>
    <td>
      JNTUH
    </td>
    <td>
      2021
    </td>
    <td>
      7.32
    </td>
  </tr>

  <tr>
    <td>
      Intermediate-MPC
    </td>
    <td>
      Narayana Junior College, TS
    </td>
    <td>
      JNTUH
    </td>
  </tr>

```

<td>	2017
<td>	93.9%
<td>	School of Secondary Certificate
<td>	Vijaya Ratna Concept School
<td>	SSC
<td>	2015
<td>	9.5

Technical skills </h3> Programming Languages</h4> - C - Java - Python Databases</h4> - MySQL Web Technologies</h4> - HTML - CSS - BootStrap - Node - ReactJS - PHP 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 nam, suscipit magnam
commodi impedit eos laboriosam nesciunt dolor aspernatur deserunt modi</p>
  </div>
</div>

<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>

<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: (same as experiment 2)



Jane Doe

Email: janedoe@gmail.com
Mobile Number : 000-000-0000

Career Objective

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

Academic Information

Course Details	Institution	University/Board	Year of passing	CGPA
Bachelor of Technology (Computer Science)	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	2015	9.5

Technical skills

Programming Languages

- C
- Java
- Python

Databases

- MySQL

Web Technologies

- HTML
- CSS
- Bootstrap
- Node
- ReactJS
- PHP

Projects

Project Title 1 Technical Stack: MERN 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	Project Title 2 Technical Stack: MEAN 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	Project Title 3 Technical Stack: LAMP 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
--	--	--

Achievements

1. Certified in Neural Networks and Deep Learning by Coursera
2. Certified in Ethical Hacking course by NPTEL
3. Participated in Scratch Programming Event in KMIT
4. Participated in street cause

Strengths

- Positive attitude
- Self-motivated, focused and dedicated

Personal profile

Current Location :Hyderabad

Date of Birth :00-00-2000

Languages known :English, Telugu, Hindi

Contact me

Name:

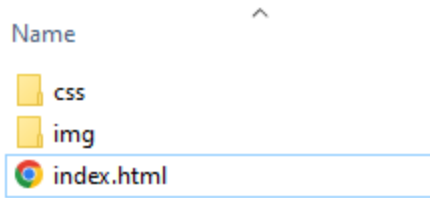
Message:

Submit

EXPERIMENT 4

4. Update the portfolio page to use Bootstrap

Folder structure –



img folder should have profile.jpg

Code –

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/bootstrap.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.min.js"></scri
pt>
  <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

```



```

        </td>
    </tr>

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

<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>

            </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 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">
        This is a simple portfolio page of Jane Doe.
    </p>
</div>
</div>
</div>

</footer>

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

</div>

</body>
</html>

```

mystyle.css

```

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:

[Home](#)
[About](#)
[Academics](#)
[Technical skills](#)
[Projects](#)
[Achievements](#)
[Contact Me](#)

Jane Doe

janedoe@gmail.com



Career Objective

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

[Home](#)
[About](#)
[Academics](#)
[Technical skills](#)
[Projects](#)
[Achievements](#)
[Contact Me](#)

Academics

Course Details	Institution	University/Board	Year of passing	CGPA
Bachelor of Technology (Computer Science)	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	2015	9.5

TechSkills

Programming Languages

- C
- Java
- Python

Databases

- MySQL

Web Technologies

- HTML
- CSS
- BootStrap
- Node
- ReactJS
- PHP

Projects

Project Title 1

Praesentium expedita iste veniam non. Deserunt voluptatum quibusdam sunt! Recusandae quod vel sequi, consequatur ipsum voluptatibus cum reiciendis quia,

[Launch Git](#)

Project Title 2

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dolorum quod excepturi dolores ad. Excepturi expedita incidunt mollitia architecto sit,

[Launch Project](#)

Project Title 3

Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptatem nostrum aliquid cupiditate totam. Quia unde adipisci voluptates, consectetur earum,

[Launch Bitbucket](#)



Achievements


1. Certified in Neural Networks and Deep Learning by Coursera
2. Certified in Ethical Hacking course by NPTEL
3. Participated in Scratch Programming Event in KMIT
4. Participated in street cause


Contact Me


Name:


Message:


Submit


 About

 Academics

 Technical skills

 Projects

 Achievements

 Contact Me

Submit

Location

27 Jane Street, Jane Doe
TS 5000027

Around the Web

f

✈

in

About

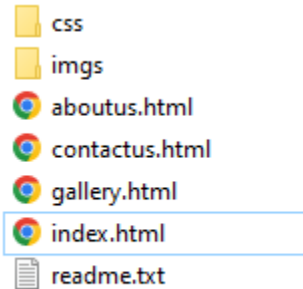
This is a simple portfolio page of Jane Doe.

Copyright © Jane Doe 2022

EXPERIMENT 5

5. Create Home, AboutUs, 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).

Folder Structure



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/bootstrap.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.min.js"></scri
pt>
  <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/home.jpg" width="100%" height="40%"/>
    </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>

```

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/bootstrap.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.min.js"></scri
pt>
        <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>
<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>

</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>
        </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>

```

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/bootstrap.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.min.js"></scri
pt>
        <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 />
          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/bootstrap.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.min.js"></scri
pt>
    <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>

```

```

<!-- 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:
Home page



About Us



Welcome to BuyBest, your number one source for all phones and gadgets.

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.

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.

Sincerely,
Chaithra R,
CEO

Location

27 Jane Street, John Doe
TS 5000027

Around the Web

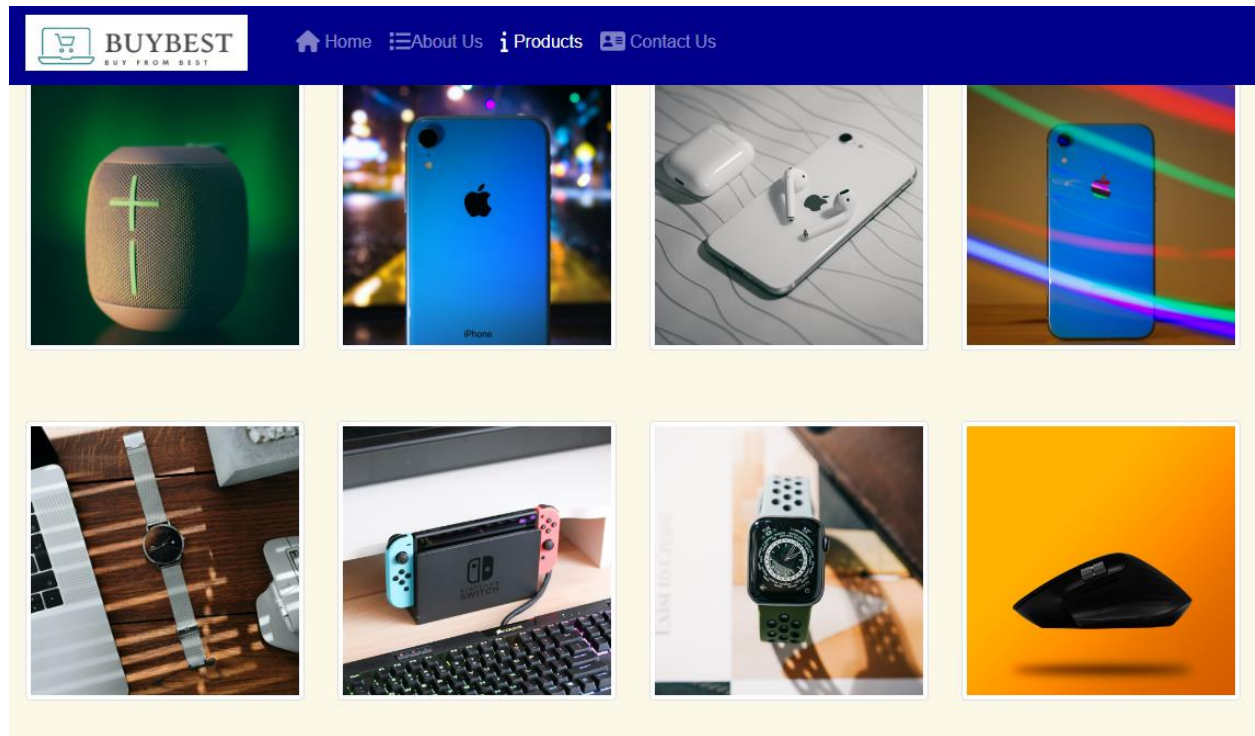


About

Buy Best

Copyright © John Doe 2022

Products



ContactUs

Contact Us

Name:

Message:

Submit

Location

27 Jane Street, John Doe
TS 5000027

Around the Web

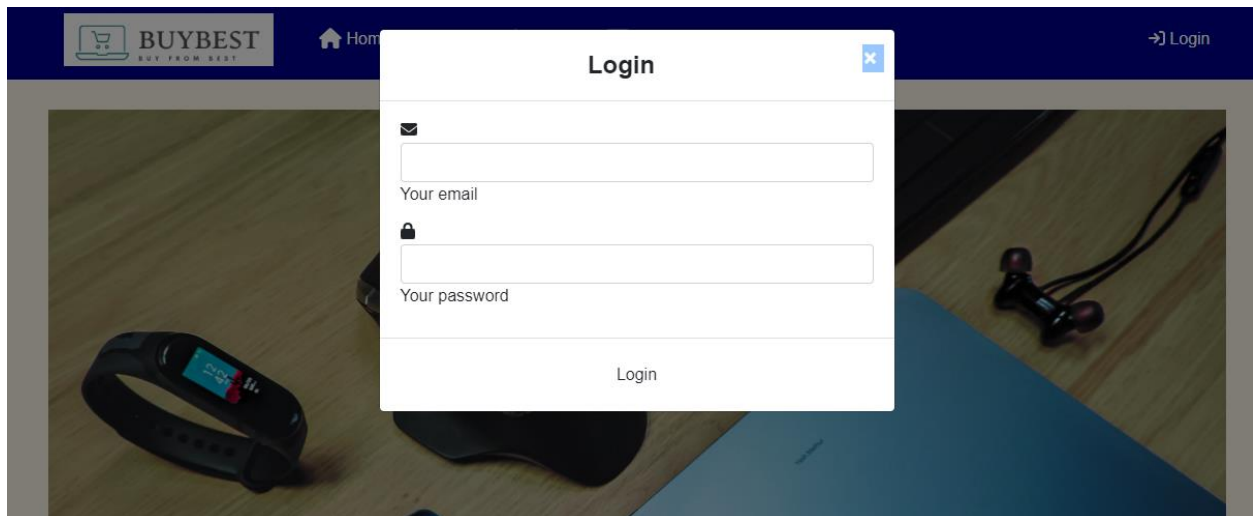


About

Buy Best

Copyright © John Doe 2022

Login



Mobile screens -

Dimensions: iPhone SE ▼

375

×

667

100% ▼

No throttling ▼



BUYBEST
BUY FROM BEST

→ Login



Location

Dimensions: iPhone SE ▼

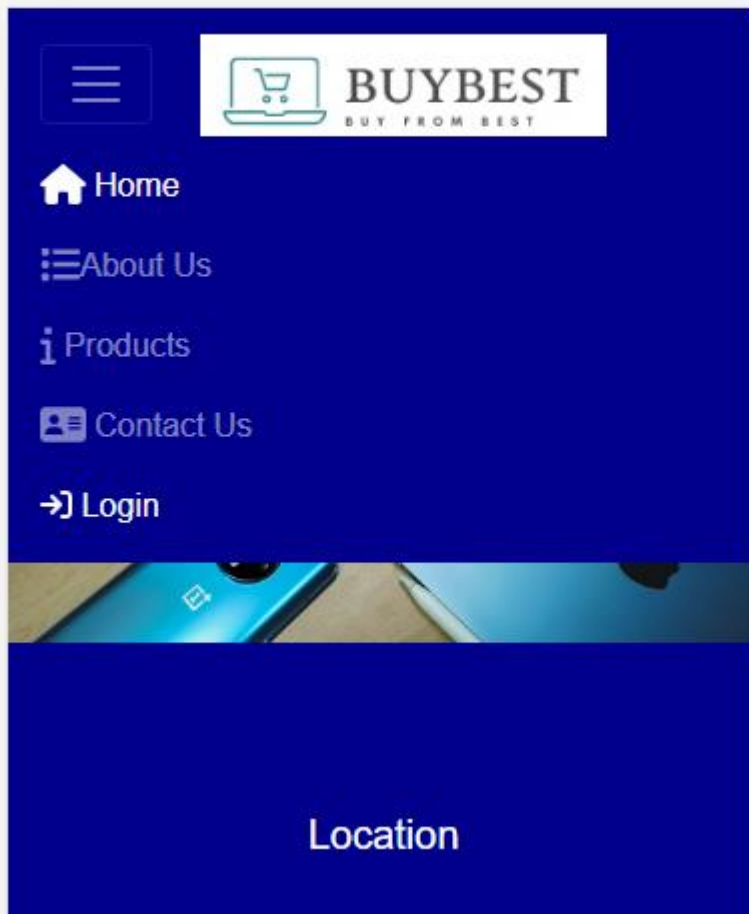
375

×

667

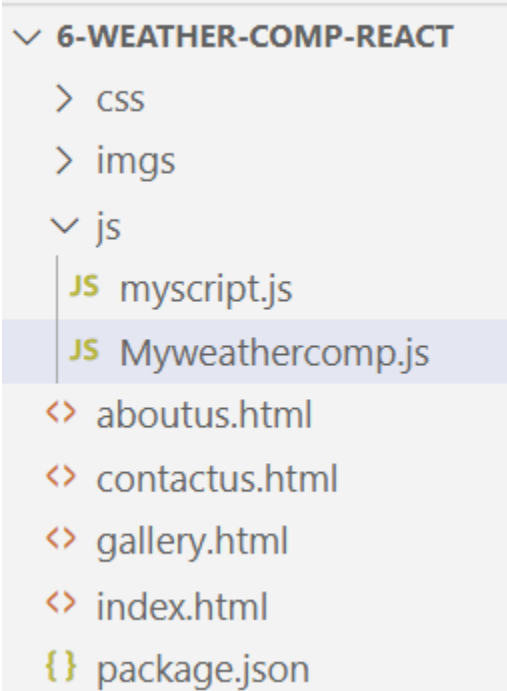
100% ▼

No throttling ▼



EXPERIMENT 6

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



myscript.js

```
let request = new XMLHttpRequest();

request.open('GET', 'https://api.openweathermap.org/data/2.5/weather?q=oslo&appid=93f26e3c57081a6210de53b8dcfdfea4', true);

request.onload = function() {
    if( request.status >=200 && request.status < 400){
        let data = JSON.parse(request.responseText);
        console.log(data);
        var icon =
"https://openweathermap.org/img/w/"+data.weather[0].icon+".png"
        document.getElementById('myimg').src=icon;
        document.getElementById('myweather').innerHTML = data.main.temp+ 'F';
        document.getElementById('moreweather').innerHTML = data.weather[0].main;
    }
    else{
        console.log('failed connecting')
    }
}

request.onerror = function() {
    console.log(" Error ")
}

request.send();
```

Myweathercomp.js

```
'use strict';
const Myweathercomp = () => {
  return (
    <span className="navbar-text mr-3">
      <span>Weather at store
        <img id='myimg' src='' />
        <span id='myweather'> Weather here </span>
        <span id='moreweather'> Weather more </span>
      </span>
    </span>
  );
};

ReactDOM.render( <Myweathercomp/>, document.getElementById('myweatherdiv')
);
```

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/bootstrap.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.min.js"></scri
pt>
  <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>

  <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>
        <div id="myweatherdiv">

        </div>

        <span class="navbar-text mr-7">
            <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">
        
    </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>

```

```

        </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>

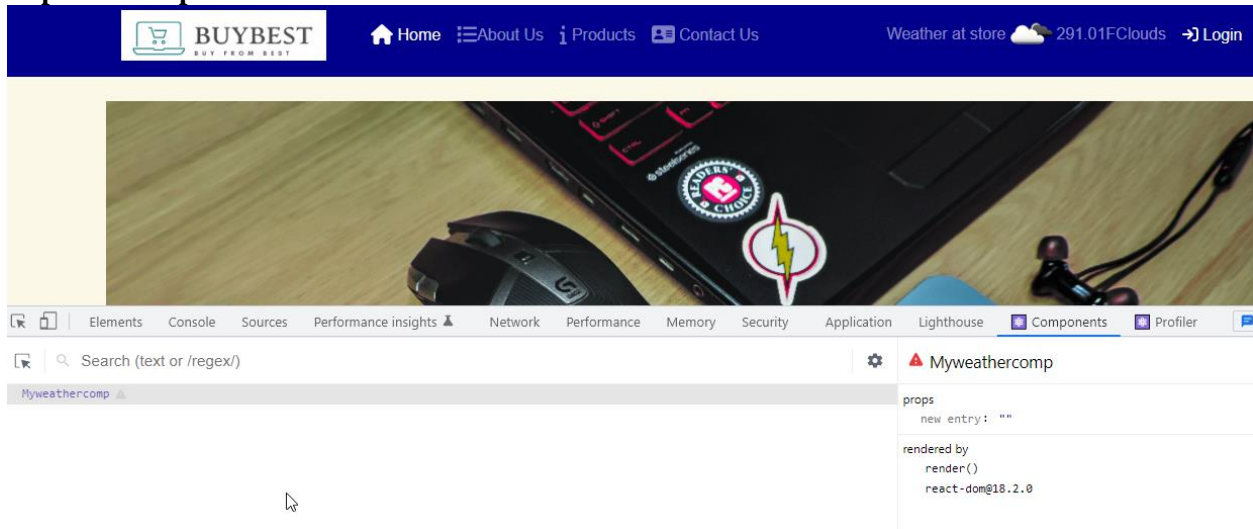
</div>

    <script src="https://unpkg.com/react@18/umd/react.development.js"
crossorigin></script>
    <script src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"
crossorigin></script>
    <script src="https://unpkg.com/@babel/standalone/babel.min.js"></script>
    <!-- Load our React component. -->
    <script type="text/babel" src="js/Myweathercomp.js"></script>
    <script src="js/myscript.js"> </script>

</body>
</html>

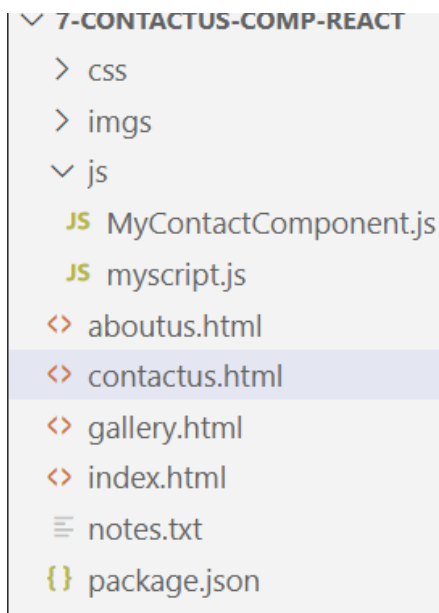
```

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



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/bootstrap.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.min.js"></scri
pt>
  <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 id="mycontactcomp">
</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">

```



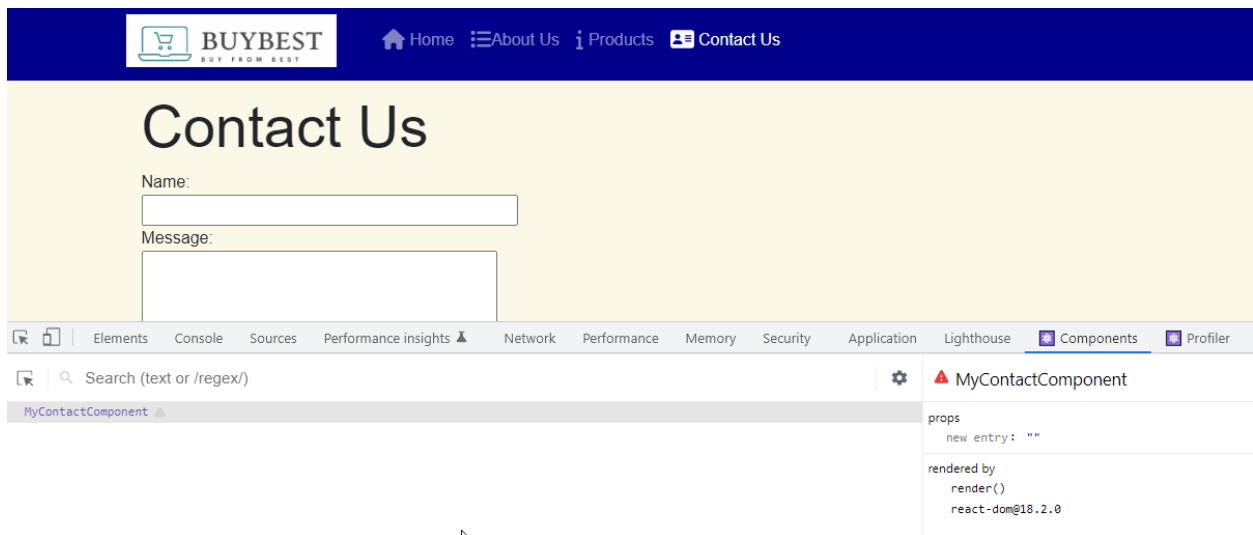
```

        </form>
      </div>
    </div>
  </div>
</div>
</div>
);
};

```

```
ReactDOM.render( <MyContactComponent/>,document.getElementById('mycontactcomp')
);
```

Expected output



EXPERIMENT 8

8 Add a Login component using ReactJS. (User should be able to login, using pre-defined logins. – this has been moved to last as experiment 11)

- ✓ 8-LOGIN-COMP-REACT
 - > css
 - > imgs
 - ✓ js
 - JS MyContactComponent.js
 - JS MyLoginComponent.js
 - JS myscript.js
 - > node_modules
 - <> aboutus.html
 - <> contactus.html
 - <> gallery.html
 - <> index.html

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/bootstrap.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.min.js"></scri
pt>
  <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>
```



```

    <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 mr-3">
                <span style="font-size:0.75rem">Weather at store
                    <img id='myimg' src='' />
                    <span id='myweather'> Weather here </span>
                    <span id='moreweather'> Weather more </span>
                </span>
            </span>

            <span class="navbar-text mr-7">
                <a data-toggle="modal" data-target="#loginModal">
                    <span class="fa fa-sign-in"></span> Login</a>
            </span>
        </div>

    </nav>

    <!-- Modal content-->
    <div id="mylogindiv"></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">
        
    </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>
</div>

</div>

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

```

```

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

</div>

        <script src="https://unpkg.com/react@18/umd/react.development.js"
crossorigin></script>
        <script src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"
crossorigin></script>
        <script src="https://unpkg.com/@babel/standalone/babel.min.js"></script>
        <!-- Load our React component. -->

        <script type="text/babel" src="js/MyLoginComponent.js"></script>

        <script src="js/myscript.js"> </script>

</body>
</html>

```

MyLoginComponent.js

```

const MyLoginComponent = () => {
  return (
    <div className="modal fade" id="loginModal" role="dialog" aria-
labelledby="myModalLabel"
    aria-hidden="true">
      <div className="modal-dialog" role="document">
        <div className="modal-content">
          <div className="modal-header text-center">
            <h4 className="modal-title w-100 font-weight-bold">Login</h4>
            <button type="button" className="close" data-dismiss="modal" aria-
label="Close">
              <span aria-hidden="true">&times;</span>
            </button>
          </div>
          <div className="modal-body mx-1">
            <div className="md-form mb-1">
              <i className="fas fa-envelope prefix grey-text"></i>
              <input type="email" id="defaultForm-email" className="form-
control validate"/>

```

```

        <label data-error="wrong" data-success="right" for="defaultForm-
email">Your email</label>
    </div>

    <div className="md-form mb-1">
        <i className="fas fa-lock prefix grey-text"></i>
        <input type="password" id="defaultForm-pass" className="form-
control validate"/>
        <label data-error="wrong" data-success="right" for="defaultForm-
pass">Your password</label>
    </div>

</div>
<div className="modal-footer d-flex justify-content-center">
    <button className="btn btn-default">Login</button>
</div>
</div>
</div>
</div>

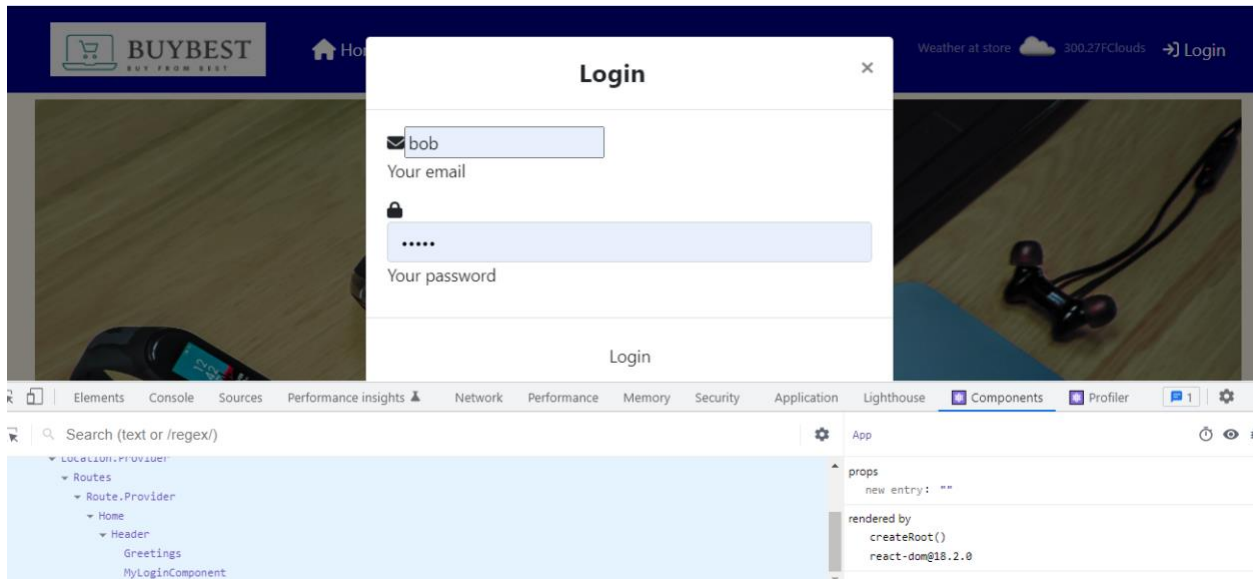
    );
};

```

```

ReactDOM.render( <MyLoginComponent/>,document.getElementById('mylogindiv')
);

```

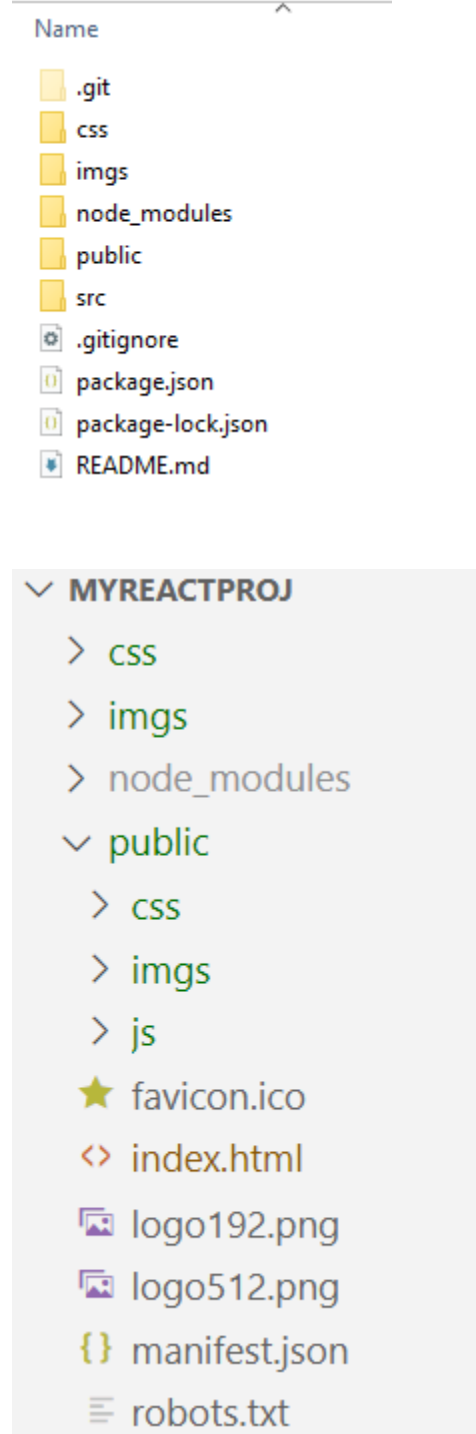


EXPERIMENT 9 &10

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

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

Code – npm create-react-app myreactproj





Home.js –

```
import React from 'react';

const Home = () => {
  return (
    <div>
      <div className="container">
        <div className="row">
          
        </div>
      </div>
    </div>
  );
};

export default Home;
```

AboutUs.js

```
import React from 'react';

const AboutUs = () => {
  return (
    <div className="container">
```

```

    <div className="row">
      <div className="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>
to you.
        We hope you enjoy our products as much as we enjoy offering them

        If you have any questions or comments, please don't hesitate to
        contact us.
        </p>
        Sincerely, <br/>

        Chaithra R,<br/>
        CEO
      </div>
    </div>
  </div>
);
};

export default AboutUs;

```

ContactUs.js

```

import React from 'react';

const Contactus = () => {
  return (

    <div className="container">

      <div className="row">
        <div className="col-12 col-sm-10 mt-4">
          <div className="col-sm-8">
            <h3 className="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>
    );
};

export default Contactus;

```

Products.js

```

import React from 'react';

const Products = () => {
    return (

        <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">
            <img class="d-flex mr-3 img-thumbnail align-self-center"

```



```

        src="imgs/4.jpg" alt="sider"/>

    </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>

<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>
  </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>
  );
};

export default Products;

```

make sure css and images are carried over from earlier experiment, into public folder.

Public/index.html

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta
      name="description"
      content="Web site created using create-react-app"
    />
    <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
    <!--
      manifest.json provides metadata used when your web app is installed on a
      user's mobile device or desktop. See
      https://developers.google.com/web/fundamentals/web-app-manifest/
    -->
    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
    <!--
      Notice the use of %PUBLIC_URL% in the tags above.
      It will be replaced with the URL of the `public` folder during the build.
      Only files inside the `public` folder can be referenced from the HTML.

      Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/favicon.ico" will

```

```

        work correctly both with client-side routing and a non-root public URL.
        Learn how to configure a non-root public URL by running `npm run build`.
    -->
    <title>React App</title>
    <!-- Bootstrap CSS -->

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.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.min.js"></scri
pt>
    <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>
    <noscript>You need to enable JavaScript to run this app.</noscript>

    <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="/home"><span class="fa fa-home fa-lg"></span> Home</a></li>
                    <li class="nav-item"><a class="nav-link" href="/aboutus"><span
class="fa fa-list fa-lg"></span> About Us</a></li>
                    <li class="nav-item"><a class="nav-link" href="/products"><span
class="fa fa-info fa-lg"></span> Products</a></li>
                    <li class="nav-item"><a class="nav-link"
href="/contactus"><span class="fa fa-address-card fa-lg"></span> Contact
Us</a></li>
                </ul>
            </div>
            <span class="navbar-text mr-3">
                <span style="font-size:0.75rem">Weather at store
                <img id='myimg' src='' />

```

```

        <span id='myweather'> Weather here </span>
        <span id='moreweather'> Weather more </span>
    </span>
</span>

    <span class="navbar-text mr-7">
        <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>

```



```

    </div>

    <script src="js/myscript.js"> </script>

  </body>
</html>

```

App.js

```

import {
  Routes,
  Route,
  BrowserRouter,
} from "react-router-dom";
import './App.css';
import Home from "./components/Home";
import Aboutus from "./components/AboutUs";
import Products from "./components/Products";
import Contactus from "./components/Contactus";

function App() {
  return (
    <BrowserRouter>
      <Routes>
        <Route exact path="/" element={<Home/>} />
        <Route path="/aboutus" element ={<Aboutus/>} />
        <Route path="/products" element ={<Products/>} />
        <Route path="/contactus" element ={<Contactus/>} />

      </Routes>
    </BrowserRouter>

  );
}

export default App;

```

js/myscript.js

```

let request = new XMLHttpRequest();

request.open('GET', 'https://api.openweathermap.org/data/2.5/weather?q=oslo&appid=93f26e3c57081a6210de53b8dcfdfea4', true);

```

```

request.onload = function() {
    if( request.status >=200 && request.status < 400){
        let data = JSON.parse(request.responseText);
        console.log(data);
        var icon =
"https://openweathermap.org/img/w/"+data.weather[0].icon+".png"
        document.getElementById('myimg').src=icon;
        document.getElementById('myweather').innerHTML = data.main.temp+ 'F';
        document.getElementById('moreweather').innerHTML = data.weather[0].main;
    }
    else{
        console.log('failed connecting')
    }
}

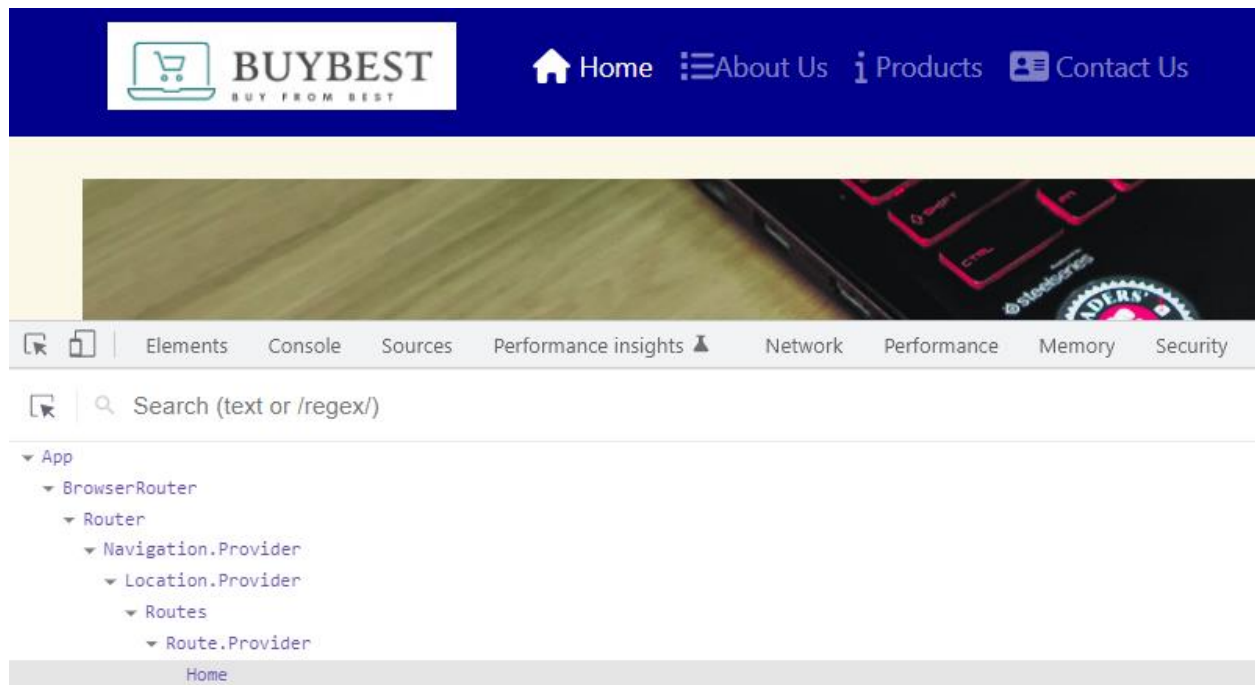
request.onerror = function() {
    console.log(" Error ")
}

request.send();

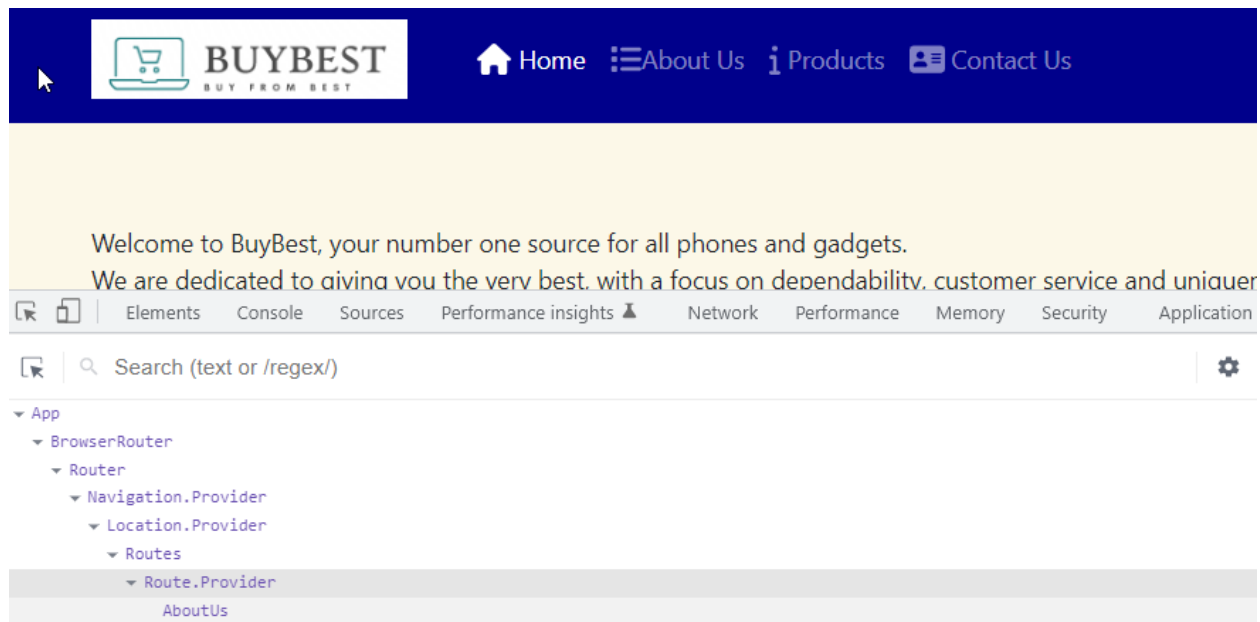
```

Expected Output

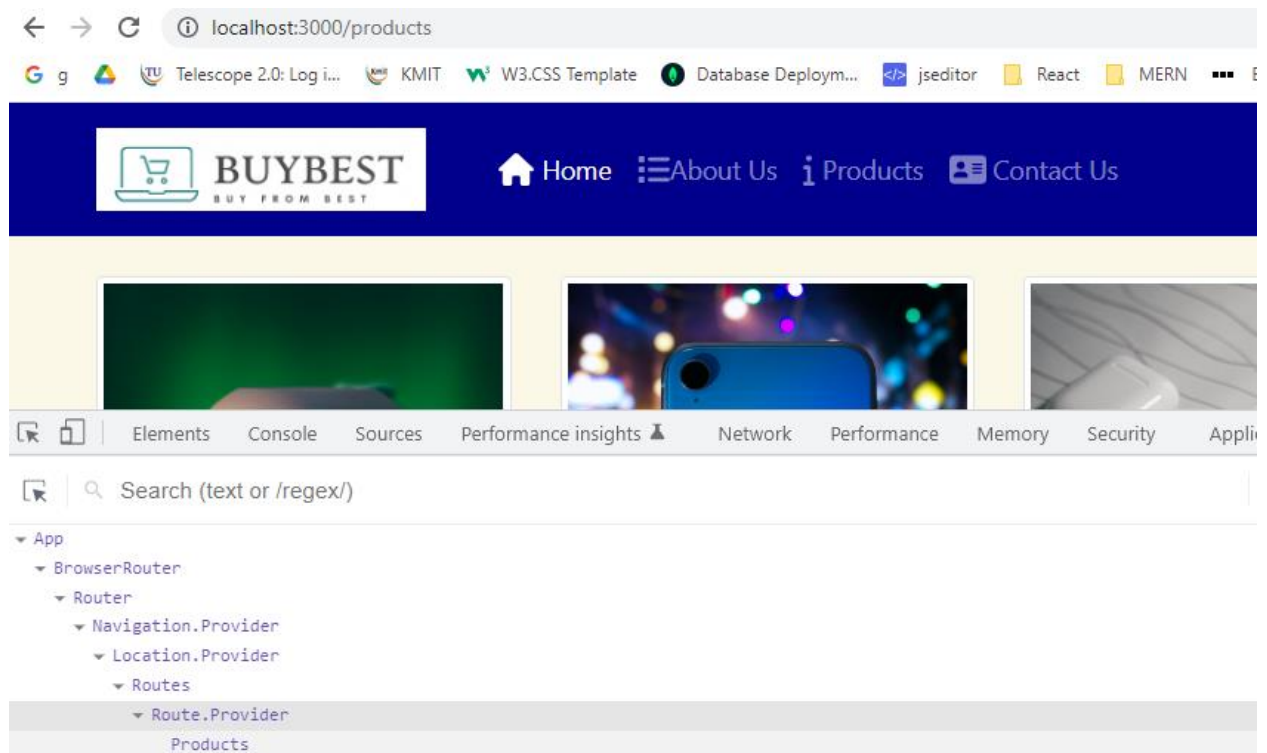
Home –



AboutUs



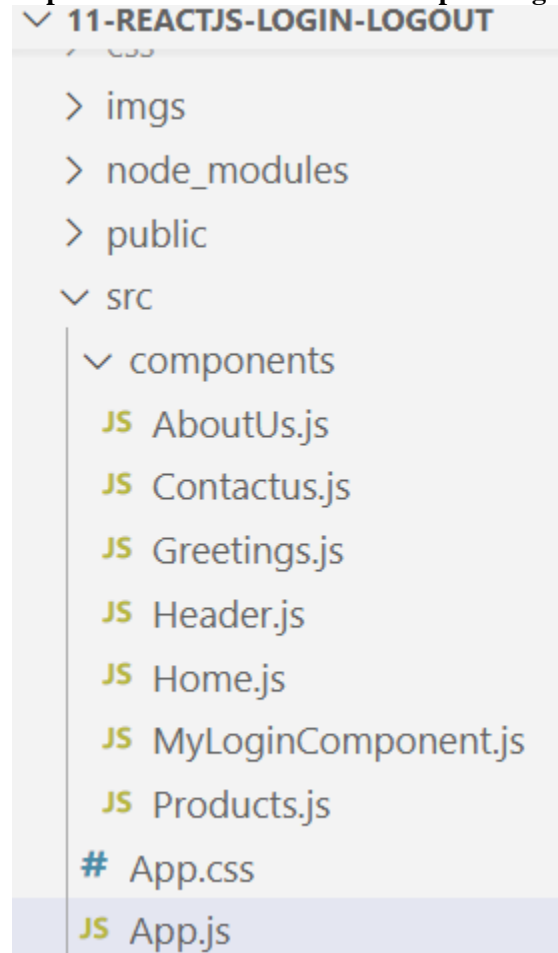
Products



Experiment 11

11. To the above site user should be able to login, using pre-defined logins. Session should be maintained using react hooks

Experiment 11 : Maintain session post Login using LocalStorage



Home.js

```
import Header from './Header';

const Home = () => {

  return (
    <div>
      <Header/>
      <div className="container">
        <div className="row">
          
        </div>
      </div>
    </div>
  );
};
```

```
};
```

```
export default Home;
```

Header.js

```
import React from 'react';
```

```
import Greetings from './Greetings';
```

```
import MyLoginComponent from './MyLoginComponent';
```

```
console.log("header is"+ window.localStorage.getItem('name'));
```

```
function logUserOut(){  
  localStorage.setItem('name','');  
}
```

```
const Header = () => {
```

```
  return <div>  
    <nav className="navbar navbar-dark navbar-expand-sm fixed-top"  
      style={{'backgroundColor': 'darkblue'}}>  
      <div className="container">  
        <button className="navbar-toggler" type="button" data-  
toggle="collapse" data-target="#Navbar">  
          <span className="navbar-toggler-icon"> </span>  
        </button>  
        <a className="navbar-brand mr-auto" href="#">  
           </a>  
        <div className="collapse navbar-collapse" id="Navbar">  
          <ul className="navbar-nav mr-auto">  
            <li className="nav-item active"><a className="nav-link"  
href="/home"><span className="fa fa-home fa-lg"></span> Home</a></li>  
            <li className="nav-item"><a className="nav-link"  
href="/aboutus"><span className="fa fa-list fa-lg"></span> About Us</a></li>  
            <li className="nav-item"><a className="nav-link"  
href="/products"><span className="fa fa-info fa-lg"></span> Products</a></li>  
            <li className="nav-item"><a className="nav-link"  
href="/contactus"><span className="fa fa-address-card fa-lg"></span> Contact  
Us</a></li>  
          </ul>  
  
          </div>  
          <span className="navbar-text mr-3">  
            <span style={{'fontSize': '0.75rem'}}>Weather at store  
              <img id='myimg' src='' />  
              <span id='myweather'> Weather here </span>  
              <span id='moreweather'> Weather more </span>  
            </span>  
          </span>  
        </div>  
      </nav>
```

```

        <Greetings loggedIn={window.localStorage.getItem('flag')}
name={window.localStorage.getItem('name')} />

    </div>
</nav>
<span className="navbar-text mr-7">
    <MyLoginComponent />
</span>
</div>
}

```

```
export default Header;
```

Greetings.js

```

import React from 'react';

const Greetings = (props) => {
  console.log("greeting"+props.name);
  let storedName = window.localStorage.getItem('name');
  console.log("greetings"+window.localStorage.getItem('flag'));
  if(props.loggedIn == 'true'){
    console.log('user is logged in');
    return (
      <div>
        <span className="navbar-text mr-7">
          <h5> Welcome {JSON.parse(props.name)}! </h5>
          <a href="/home"
onClick={window.localStorage.setItem('flag',false)}> Log out </a>

          </span>
        </div>
      );
    }
  else {
    return (
      <div>
        <span className="navbar-text mr-7">
          <a data-toggle="modal" data-target="#loginModal">
            <span className="fa fa-sign-in"></span> Login
          </a>
        </span>
      </div>
    );
  }
}

export default Greetings;

```

Abouts.js

```
import React from 'react';
import Header from './Header';

const AboutUs = () => {
  return (

    <div className="container">
      < Header/>
      <div className="row">
        <div className="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>
to you.
          We hope you enjoy our products as much as we enjoy offering them

          If you have any questions or comments, please don't hesitate to
          contact us.
          </p>
          Sincerely, <br/>

          Chaithra R,<br/>
          CEO
          </div>
        </div>
      </div>

    );
  };

export default AboutUs;
```

Contactus.js

```
import React from 'react';
import Header from './Header';

const Contactus = () => {
  return (
```

```

    <div className="container">
  < Header/>
    <div className="row">
      <div className="col-12 col-sm-10 mt-4">
        <div className="col-sm-8">
          <h3 className="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>
);
};

export default Contactus;

```

Products.js

```

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

const Products = () => {
  return (

    <div class="container">
  < Header/>
  <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>

```

```

</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>

<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>
  );
};

export default Products;

```

```

MyLoginComponent.js
const MyLoginComponent = () => {

  let uname='';

  const handleChange = event => {
    uname = event.target.value;
  };

  const handleClick = event => {
    window.localStorage.setItem('name',JSON.stringify(uname))
    window.localStorage.setItem('flag','true');
    window.location.reload();
  };
};

```

```

return (
  <div>

    <div className="modal fade" id="loginModal" role="dialog" aria-
labelledby="myModalLabel"
    aria-hidden="true">
      <div className="modal-dialog" role="document">
        <div className="modal-content">
          <div className="modal-header text-center">
            <h4 className="modal-title w-100 font-weight-bold">Login</h4>
            <button type="button" className="close" data-dismiss="modal" aria-
label="Close">
              <span aria-hidden="true">&times;</span>
            </button>
          </div>
          <div className="modal-body mx-1">
            <div className="md-form mb-1">
              <i className="fas fa-envelope prefix grey-text"></i>
              <input type="email" placeholder="Enter your email" onChange={handleChange} />
            <br/>
            <label data-error="wrong" data-success="right"
htmlFor="defaultForm-email">Your email</label>
            </div>

            <div className="md-form mb-1">
              <i className="fas fa-lock prefix grey-text"></i>
              <input type="password" id="defaultForm-pass" className="form-control
validate"/>
              <label data-error="wrong" data-success="right"
htmlFor="defaultForm-pass">Your password</label>
            </div>

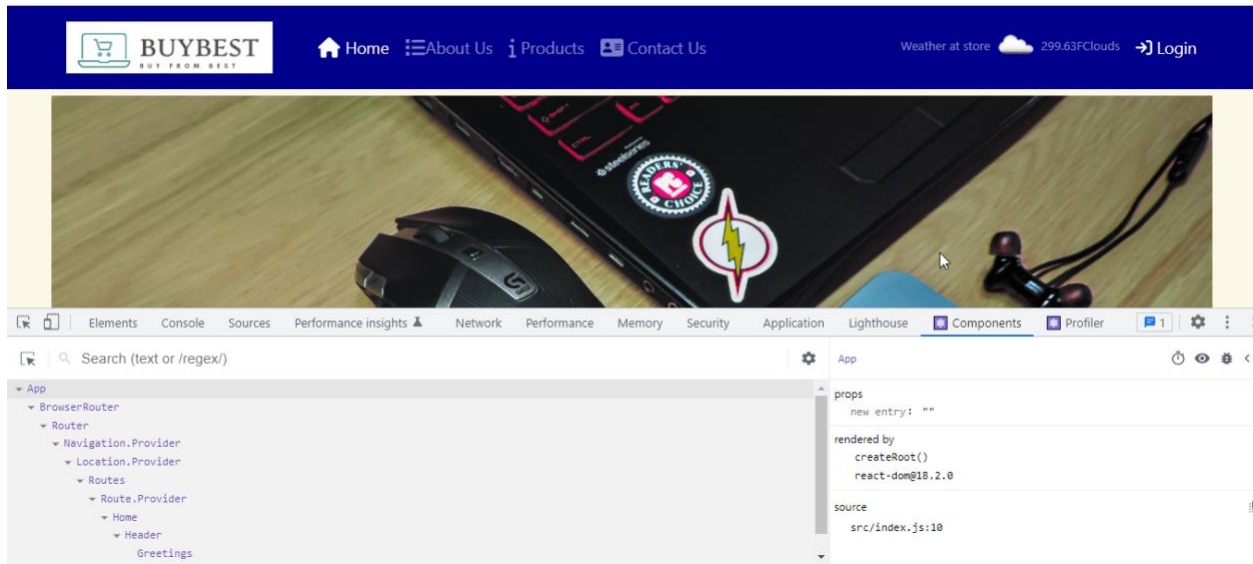
          </div>
          <div className="modal-footer d-flex justify-content-center">
            <button onClick={handleClick} className="btn btn-default" data-
dismiss="modal" >Login</button>
          </div>
        </div>
      </div>
    </div>
  </div>
);

export default MyLoginComponent;

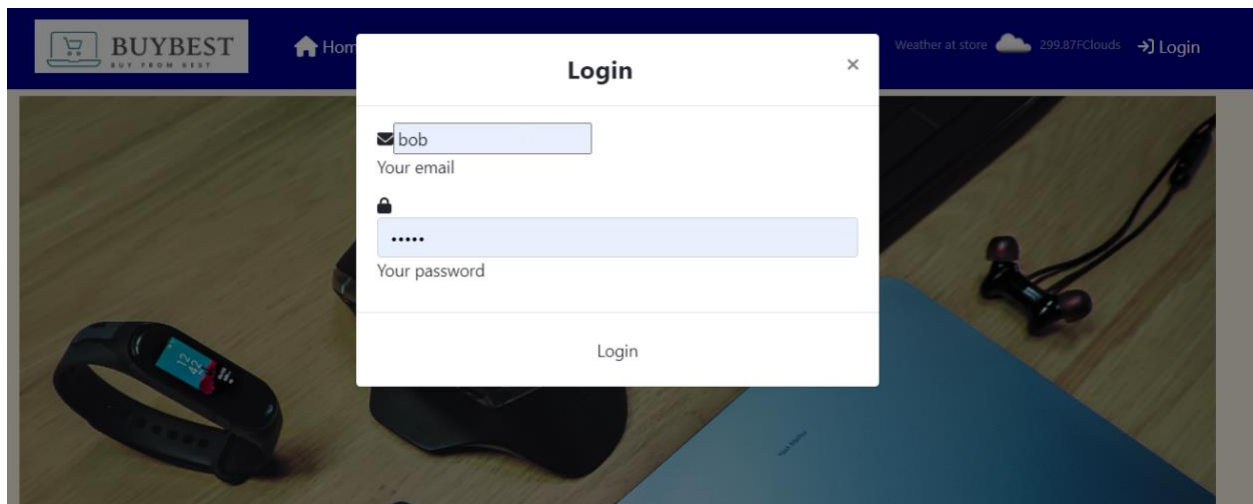
```

EXPECTED OUTPUT


Before Login



During Login –




After login




BUYBEST
BUY FROM BEST

[Home](#) [About Us](#) [Products](#) [Contact Us](#)

Weather at store  299.63°F Clouds

Welcome bob!
[Log out](#)



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Search (text or /regex/)

App

- BrowserRouter
 - Router
 - Navigation.Provider
 - Location.Provider

props

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