```
                              </form>
                       </div>
                  </div>
             </div>
         </div>
         </div>

         );
      };

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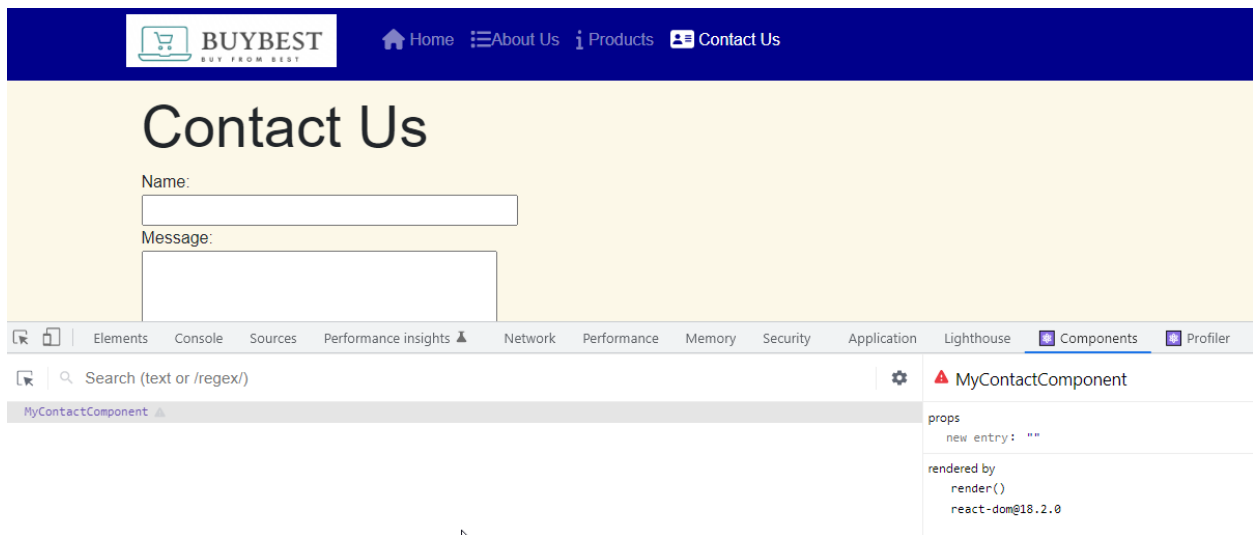
Expected output

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)

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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

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

```html
        <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="#">
                <img src="imgs/logo.png" width="85%" height="65%"> </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
```

```html
                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">
```

```html
            <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


```jsx
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')
);
```
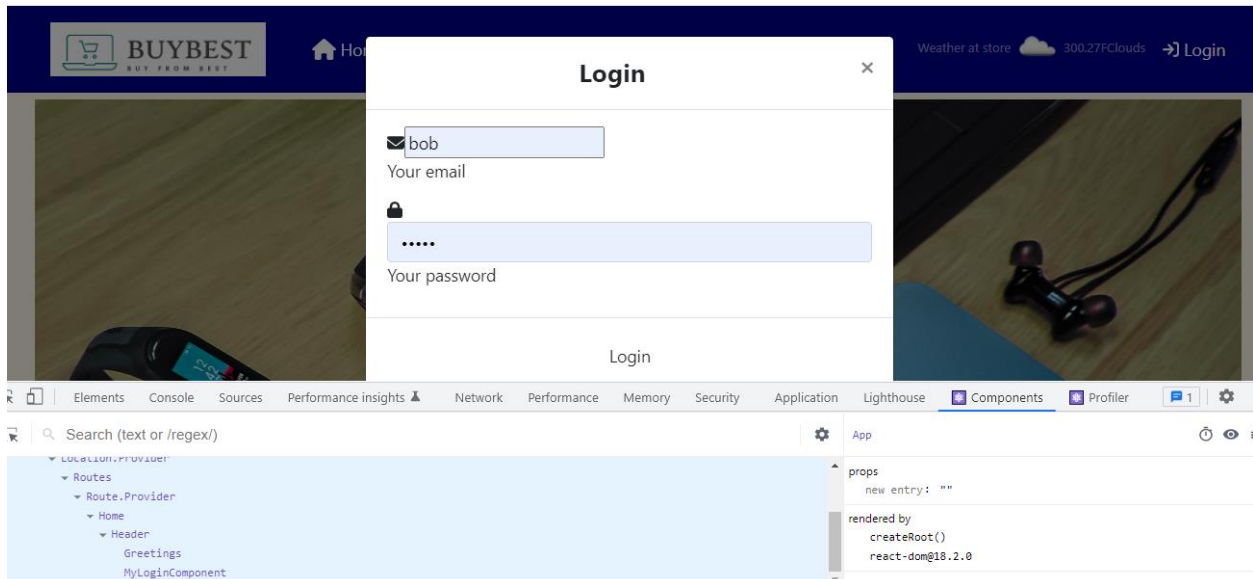
EXPERIMENT 9 &10

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

```
Name

.git
css
imgs
node_modules
public
src
.gitignore
package.json
package-lock.json
README.md
```

```
∨ MYREACTPROJ
  > css
  > imgs
  > node_modules
  ∨ public
    > css
    > imgs
    > js
    ★ favicon.ico
    <> index.html
    logo192.png
    logo512.png
    {} manifest.json
    ≡ robots.txt
```
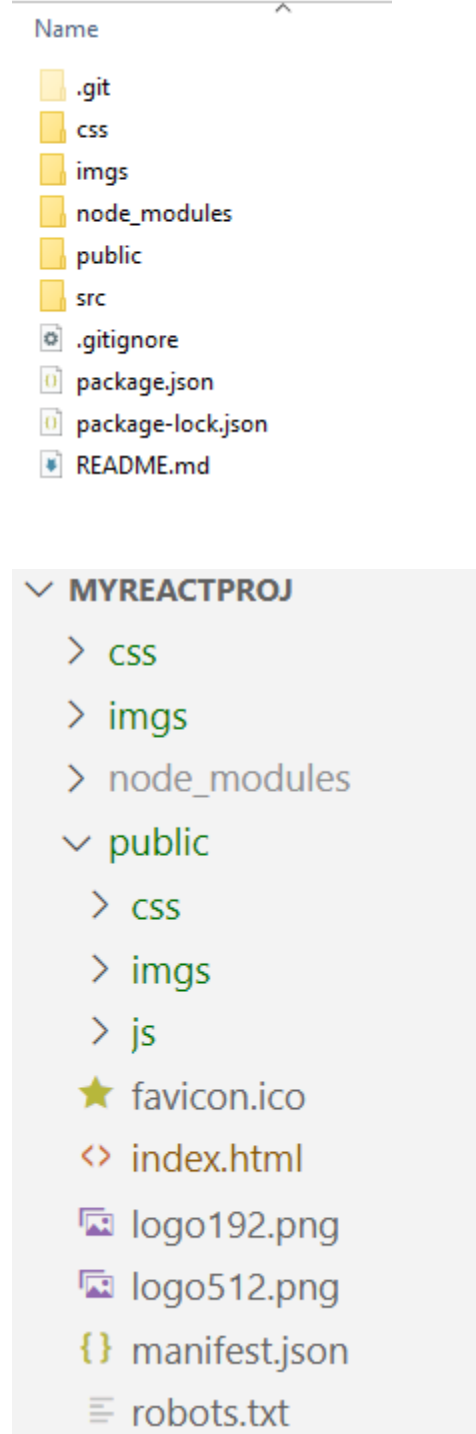
Home.js –

```
import React from 'react';

const Home = () => {
    return (
        <div>
                <div className="container">
        <div className="row">
            <img src ="imgs/home.jpg" width="100%" height="40%"/>
        </div>
    </div>
        </div>
    );
};

export default Home;
```

AboutUs.js

```
import React from 'react';

const AboutUs = () => {
    return (

    <div className="container">
```

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```jsx
        <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>
                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, <br/>

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

    );
};

export default AboutUs;
```

ContactUs.js
```jsx
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>

    );
};

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">
            <img class="d-flex mr-3 img-thumbnail align-self-center"
                    src="imgs/1.jpg" alt="sider"/>

        </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/2.jpg" alt="sider"/>

        </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/3.jpg" alt="sider"/>

        </div>
    </div>
    <div class="col-12 col-sm-3">
        <div class="media">
            <img class="d-flex mr-3 img-thumbnail align-self-center"
```

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

                    </div>
                </div>

        </div>

        <div class="row">
            <div class="col-12 col-sm-3">
                <div class="media">
                    <img class="d-flex mr-3 img-thumbnail align-self-center"
                             src="imgs/5.jpg" alt="sider"/>

                    </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/6.jpg" alt="sider"/>

                    </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/7.jpg" alt="sider"/>

                    </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/8.jpg" alt="sider"/>

                    </div>
                </div>

        </div>

<div class="row">
<div class="col-12 col-sm-3">
 <div class="media">
     <img class="d-flex mr-3 img-thumbnail align-self-center"
             src="imgs/9.jpg" alt="sider"/>

   </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/10.jpg" alt="sider"/>
```

```
      </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/11.jpg" alt="sider"/>

      </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/12.jpg" alt="sider"/>

      </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
```

```html
    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="#">
              <img src="imgs/logo.png" width="85%" height="65%"> </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=''/>
```

```html
                <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>
```

```html
        </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 id="root"></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>

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



    </body>
</html>
```

App.js

```javascript
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
```javascript
let request = new XMLHttpRequest();

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

```javascript
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();
```
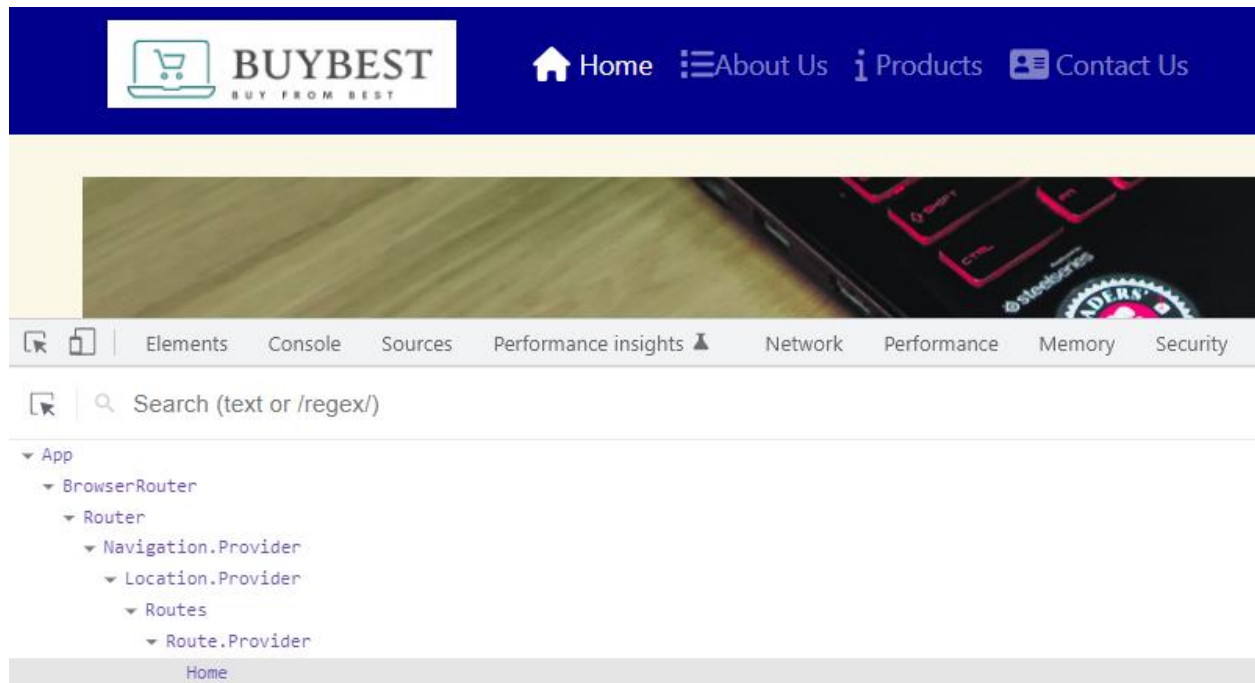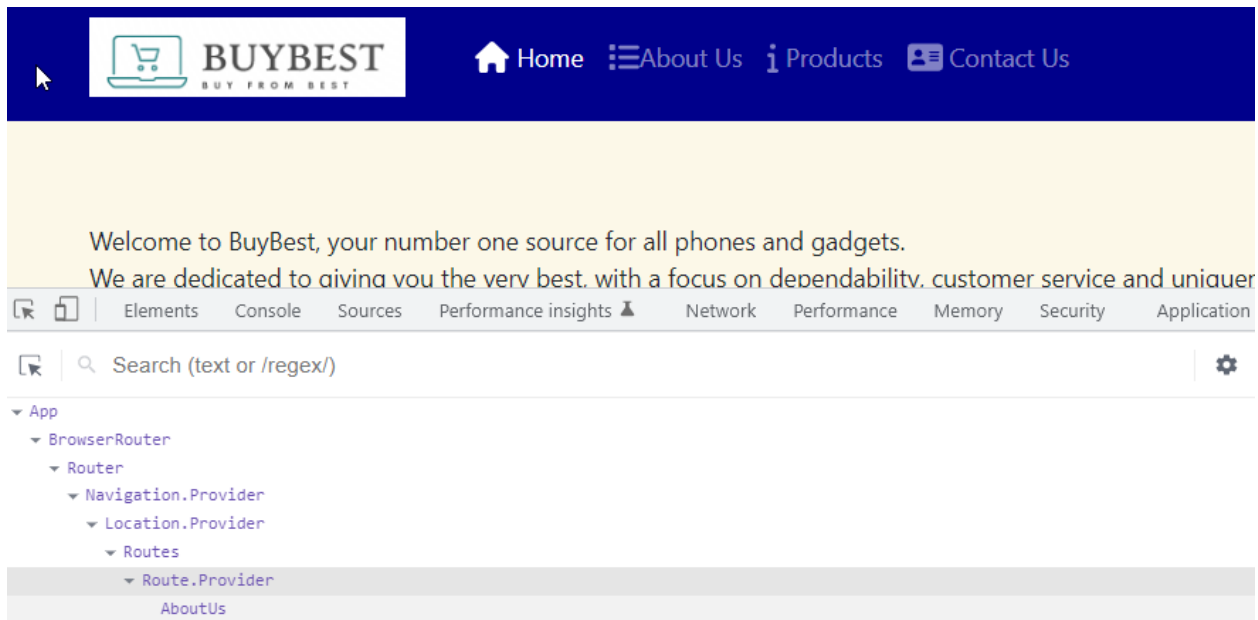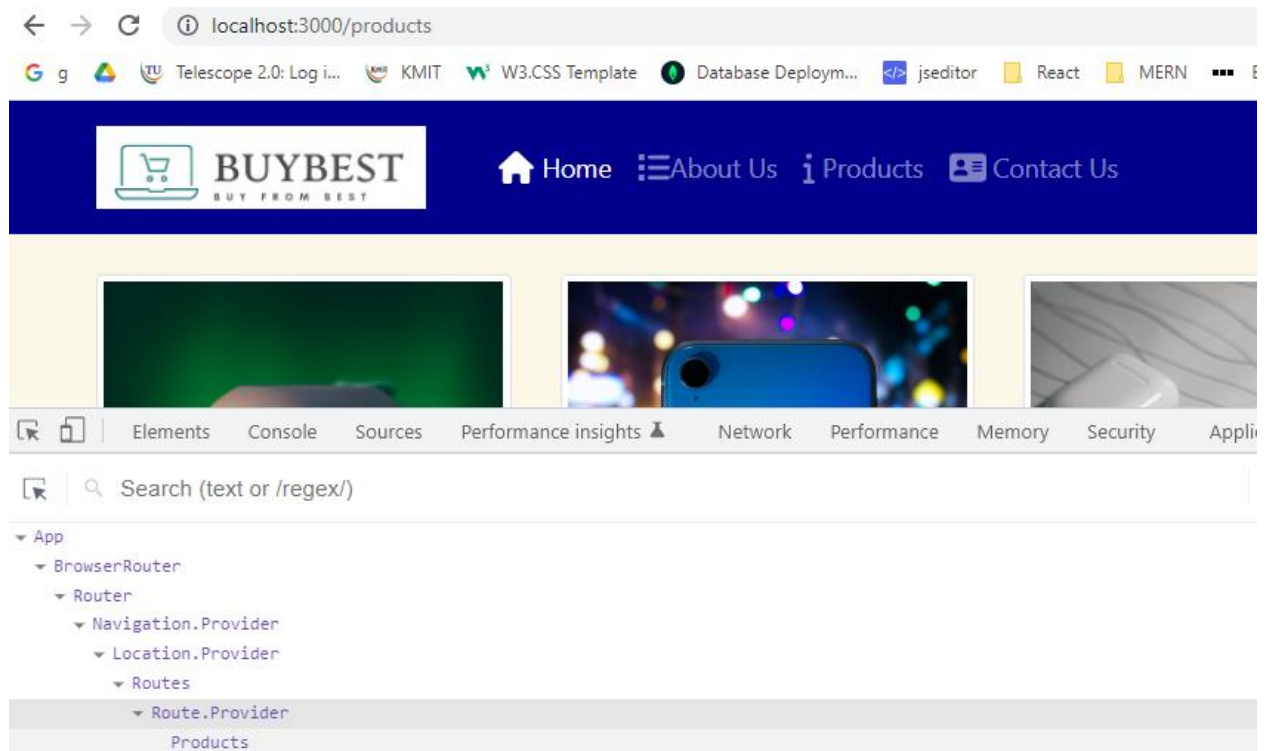
Expected Output

Home –

App
BrowserRouter
  Router
    Navigation.Provider
      Location.Provider
        Routes
          Route.Provider
            Home

AboutUs

BUYBEST
BUY FROM BEST

🏠 Home ≣About Us ⓘ Products 📇 Contact 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 uniquer

⟲ ⬚ | Elements   Console   Sources   Performance insights ⏳   Network   Performance   Memory   Security   Application

⟲ | 🔍 Search (text or /regex/)   ⚙

▾ App
  ▾ BrowserRouter
    ▾ Router
      ▾ Navigation.Provider
        ▾ Location.Provider
          ▾ Routes
            ▾ Route.Provider
              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