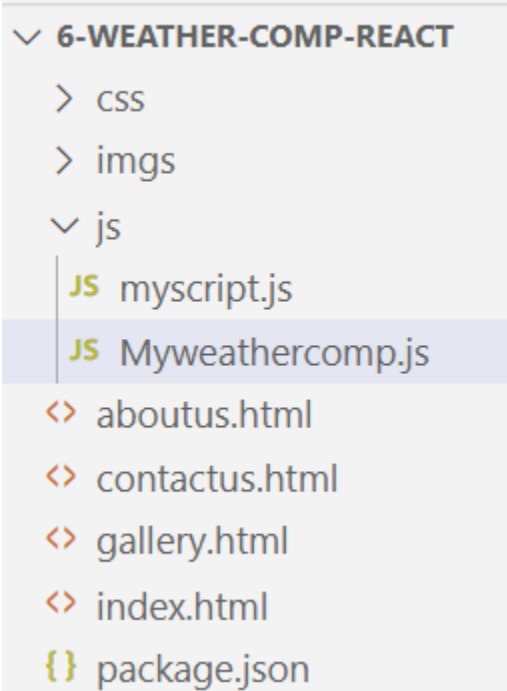


EXPERIMENT 6

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>
        <!-- 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>

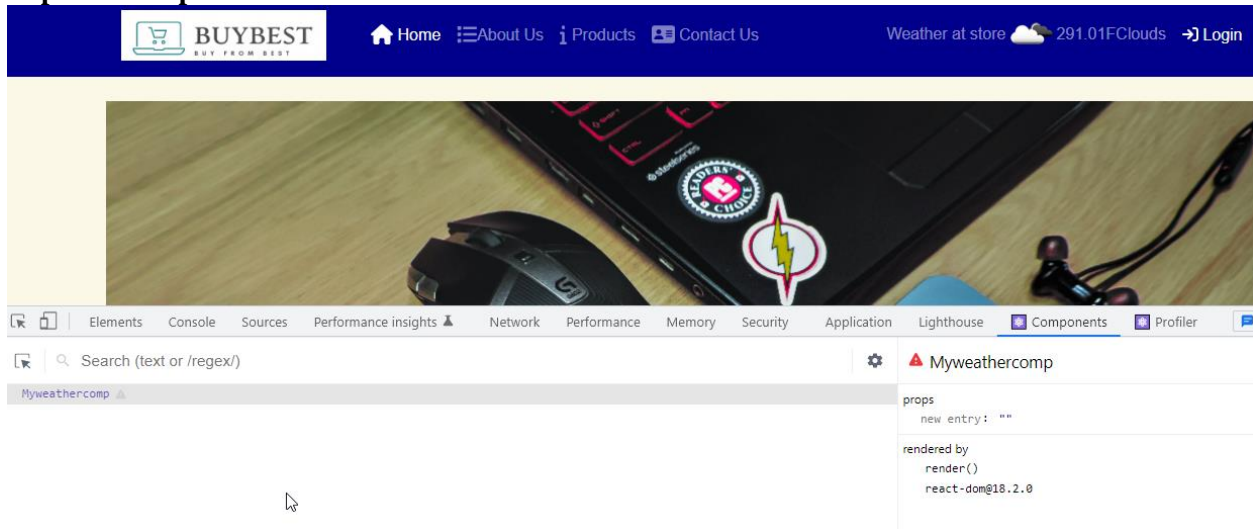
</div>

    <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>

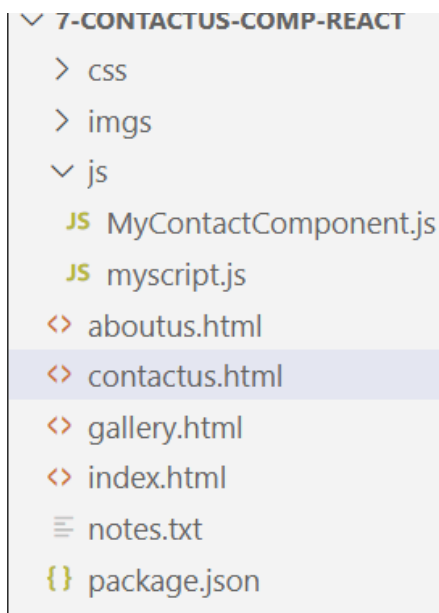
```

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">

```



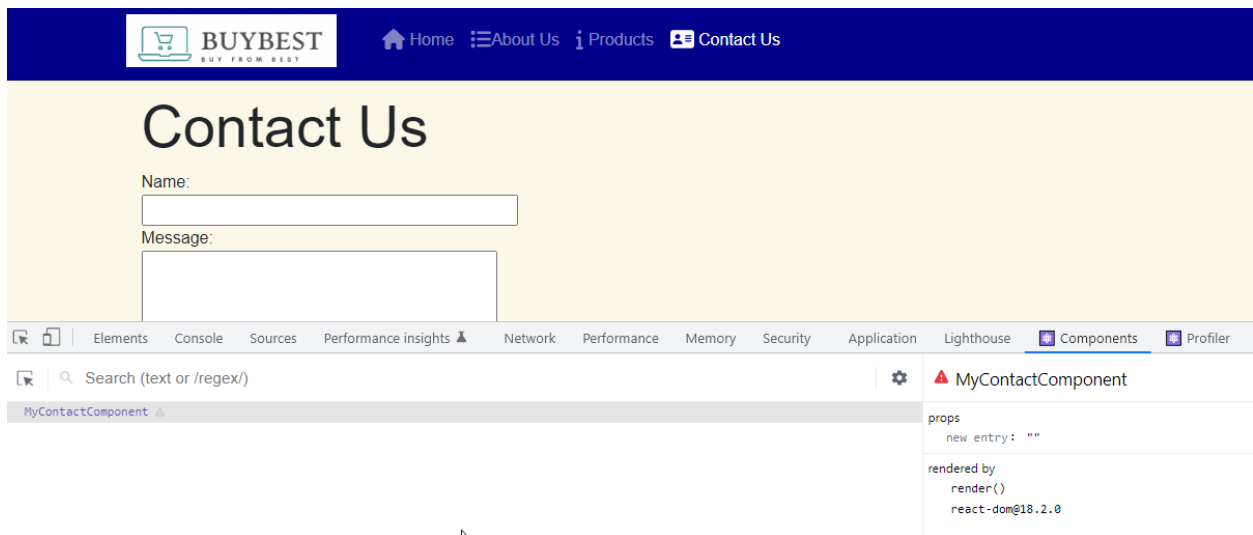
```

        </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)