EXPERIMENT 6

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

```
∨ 6-WEATHER-COMP-REACT

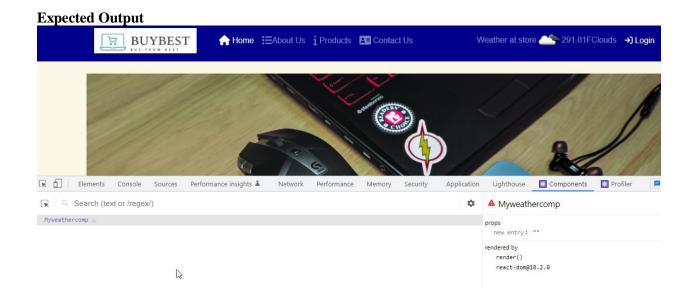
   > css
   > imgs
   ∨ is
   Js myscript.js
    JS Myweathercomp.js
  aboutus.html
  contactus.html
  gallery.html
  index.html
  {} package.json
myscript.js
let request = new XMLHttpRequest();
request.open('GET','https://api.openweathermap.org/data/2.5/weather?q=oslo&appid=
93f26e3c57081a6210de53b8dcfdfea4',true);
request.onload = function() {
    if( request.status >=200 && request.status < 400){</pre>
        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. is
'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"</pre>
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>
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></scri</pre>
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"</pre>
crossorigin="anonymous"></script>
       <body>
 <nav class="navbar navbar-dark navbar-expand-sm fixed-top" style="background-</pre>
color: darkblue;">
        <div class="container">
```

```
<button class="navbar-toggler" type="button" data-toggle="collapse"</pre>
data-target="#Navbar">
               <span class="navbar-toggler-icon"> </span>
           <a class="navbar-brand mr-auto" href="#"> <a class="navbar-brand mr-</pre>
auto" href="#">
               <img src="imgs/logo.png" width="85%" height="65%"> </a>
          <div class="collapse navbar-collapse" id="Navbar">
               <a class="nav-link"</pre>
href="index.html"><span class="fa fa-home fa-lg"></span> Home</a>
                   <a class="nav-link"</pre>
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About Us</a>
                   <a class="nav-link"</pre>
href="gallery.html"><span class="fa fa-info fa-lg"></span> Products</a>
                   <a class="nav-link"</pre>
href="contactus.html"><span class="fa fa-address-card fa-lg"></span> Contact
Us</a>
                </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"</pre>
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-</pre>
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></i>
                  <input type="email" id="defaultForm-email" class="form-control</pre>
validate">
                  <label data-error="wrong" data-success="right"</pre>
for="defaultForm-email">Your email</label>
                </div>
                <div class="md-form mb-1">
                  <i class="fas fa-lock prefix grey-text"></i></i>
                  <input type="password" id="defaultForm-pass" class="form-</pre>
control validate">
                  <label data-error="wrong" data-success="right"</pre>
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>
                        27 Jane Street, John Doe
                            <br />
                            TS 5000027
```

```
</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"</pre>
href="#!"><i class="fab fa-fw fa-facebook-f"></i></a>
                        <a class="btn btn-outline-light btn-social mx-1"</pre>
href="#!"><i class="fab fa-fw fa-twitter"></i></a>
                        <a class="btn btn-outline-light btn-social mx-1"</pre>
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>
                        BuyBest
                        </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"</pre>
crossorigin></script>
        <script src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"</pre>
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>
```



EXPERIMENT 7

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

```
    ✓ 7-CONTACTUS-COMP-REACT
    > css
    > imgs
    ✓ js
    JS MyContactComponent.js
    JS myscript.js
    ◇ aboutus.html
    ◇ contactus.html
    ◇ gallery.html
    ◇ index.html
    臺 notes.txt
    {} package.json
```

contactus.html

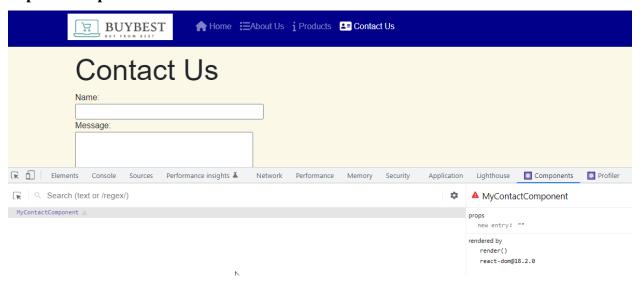
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Buy Best!</title>
        <!-- Bootstrap CSS -->
        <link rel="stylesheet"</pre>
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">
        <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</pre>
        <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"</pre>
crossorigin="anonymous"></script>
    </head>
<body>
 <nav class="navbar navbar-dark navbar-expand-sm fixed-top" style="background-</pre>
color: darkblue:">
        <div class="container">
            <button class="navbar-toggler" type="button" data-toggle="collapse"</pre>
data-target="#Navbar">
                <span class="navbar-toggler-icon"> </span>
```

```
</button>
           <a class="navbar-brand mr-auto" href="#"> <a class="navbar-brand mr-</pre>
auto" href="#">
              <img src="imgs/logo.png" width="85%" height="65%"> </a>
          <div class="collapse navbar-collapse" id="Navbar">
              <a class="nav-link"</pre>
href="index.html"><span class="fa fa-home fa-lg"></span> Home</a>
                  <a class="nav-link"</pre>
href="aboutus.html"><span class="fa fa-list fa-lg"></span>About Us</a>
                  <a class="nav-link"</pre>
href="gallery.html"><span class="fa fa-info fa-lg"></span> Products</a>
                  <a class="nav-link"</pre>
href="contactus.html"><span class="fa fa-address-card fa-lg"></span> Contact
Us</a>
               </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>
                      27 Jane Street, John Doe
                         <br />
                          TS 5000027
                      </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"</pre>
href="#!"><i class="fab fa-fw fa-facebook-f"></i></a>
                      <a class="btn btn-outline-light btn-social mx-1"</pre>
href="#!"><i class="fab fa-fw fa-twitter"></i></a>
                      <a class="btn btn-outline-light btn-social mx-1"</pre>
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>
                        Buy Best
                        </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"</pre>
crossorigin></script>
  <script src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"</pre>
crossorigin></script>
  <script src="https://unpkg.com/@babel/standalone/babel.min.js"></script>
  <!-- Load our React component. -->
  <script type="text/babel" src="js/MyContactComponent.js"></script>
</body>
</html>
MyContactComponent.js
const MyContactComponent = () => {
    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"</pre>
method="POST"
                            enctype="text/plain" name="EmailForm">
                        Name: <br/> <input type="text" size="40"
name="ContactName"/> <br/>
                                   <br/> <textarea name="ContactComment" rows="6"</pre>
                        Message:
cols="40"></textarea><br/>
                                <input type="submit" value="Submit"/>
```

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)