

Web App Design with React Week 1 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

- Using create-react-app, create a new React project.
- Create a LoginForm component that should contain username and password input fields, an h3 that says Log In, and a border. Style the component using the default generated css file.
- Create a Navigation component that contains links styled like a navbar. The links don't have to go anywhere.
- Put the Navigation component at the top of the page and the LoginForm in the center of the page.

Screenshots of Code:

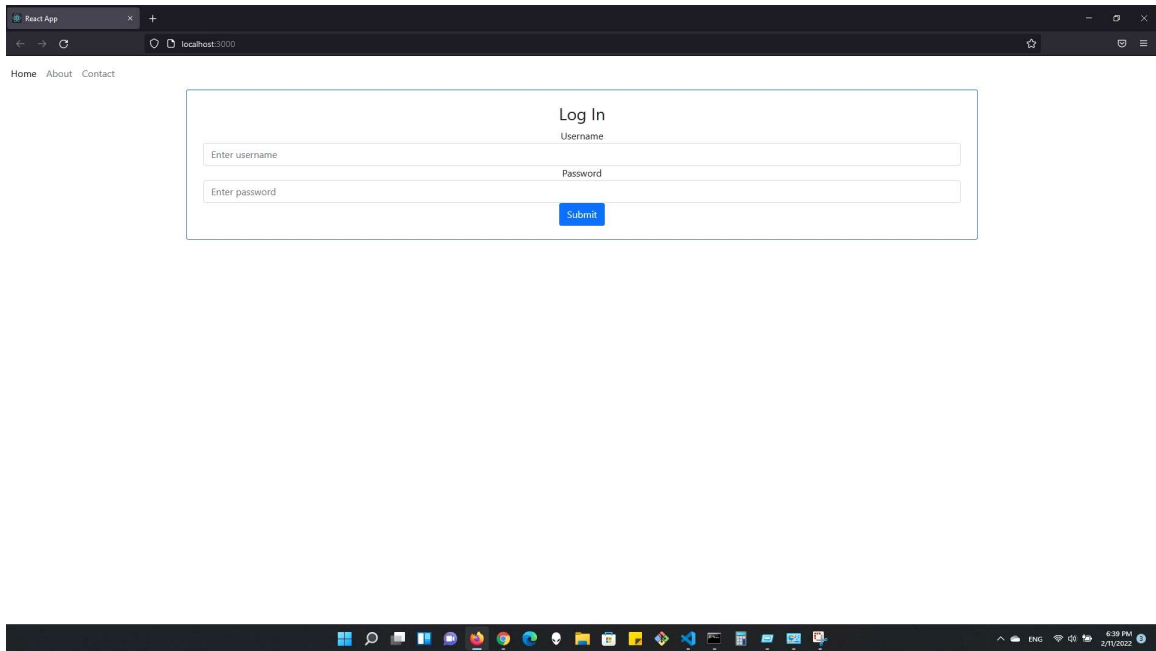
```
JS index.js M X JS App.js M JS login-form.js U JS navigation.js U
src > JS index.js
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import '../node_modules/bootstrap/dist/css/bootstrap.css';
4 import './index.css';
5 import App from './App';
6 import reportWebVitals from './reportWebVitals';
7
8 ReactDOM.render(
9   <React.StrictMode>
10   | <App />
11   </React.StrictMode>,
12   document.getElementById('root')
13 );
14
15 // If you want to start measuring performance in your app, pass a function
16 // to log results (for example: reportWebVitals(console.log))
17 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
18 reportWebVitals();
19
```

```
JS index.js M JS App.js M X JS login-form.js U JS navigation.js U
src > JS App.js > ...
1 import logo from './logo.svg';
2 import './App.css';
3 import LoginForm from './components/login-form';
4 import Navigation from './components/navigation';
5
6 function App() {
7   return (
8     <div className="App">
9       <Navigation />
10      <LoginForm />
11    </div>
12  );
13 }
14
15 export default App;
16
```

```
JS indexjs M JS Appjs M JS login-form.js U X JS navigation.js U
src > components > JS login-form.js > LoginForm > render
1 import React from 'react';
2
3 export default class LoginForm extends React.Component{
4   render(){
5     return (
6       <div class="container form-control border border-primary">
7         <form class="card-body">
8           <h3>Log In</h3>
9           <div className="form-group">
10            <label>Username</label>
11            <input type="username" className="form-control" placeholder="Enter username"/>
12          </div>
13          <div className="form-group">
14            <label>Password</label>
15            <input type="password" className="form-control" placeholder="Enter password"/>
16          </div>
17          <button type="submit" className="btn btn-primary btn-block">Submit</button>
18        </form>
19      </div>
20    );
21  }
22 }
```

```
JS indexjs M X JS Appjs M JS login-form.js U JS navigation.js U X
src > components > JS navigation.js > ...
1 import React from 'react';
2
3 export default class Navigation extends React.Component{
4   render(){
5     return (
6       <nav class="navbar navbar-expand-lg navbar-light bg-light">
7         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup"
8           aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
9           <span class="navbar-toggler-icon"></span>
10         </button>
11         <div class="collapse navbar-collapse" id="navbar">
12           <div class="navbar-nav">
13             <a class="nav-item nav-link active" href="#">Home</a>
14             <a class="nav-item nav-link" href="#">About</a>
15             <a class="nav-item nav-link" href="#">Contact</a>
16           </div>
17         </div>
18       </nav>
19     );
20   }
21 }
22 }
```

Screenshots of Running Application:



URL to GitHub Repository:

<https://github.com/MonicaHunter0812/reactweek1.git>