



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:

1. Using create-react-app, create a new React project.
2. 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.
3. Create a Navigation component that contains links styled like a navbar. The links don't have to go anywhere.



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4. Put the Navigation component at the top of the page and the LoginForm in the center of the page.

Screenshots of Code:

```
JS navbar.js  x  JS loginform.js  # index.css  JS index.js  <> index.html

login-app > src > JS navbar.js > ...
1  import React from "react";
2  import './index.css';
3
4
5  (method) Navbar.render(): JSX.Element Component {
6  render(){
7    return (
8
9      <nav>
10     <ul>
11       <li>About Promineo</li>
12       <li>Pricing</li>
13       <li>Contact</li>
14     </ul>
15   </nav>
16
17   )
18 }
19
20
21
22
23
24 }
25
```



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```
JS navbar.js  JS loginform.js x  # index.css  JS index.js  <> index.html

login-app > src > JS loginform.js > LoginForm > render
1  import React from "react";
2  import Navbar from "../navbar";
3  import './index.css';
4
5
6  export default class LoginForm extends React.Component {
7    render(){
8      return (
9
10
11        <div className="container">
12          <div className="navbar">
13            <Navbar />
14          </div><br></div>
15
16          <div className="container">
17            <h3>Log-In Please</h3>
18            <form>
19              <label>
20                Username:
21                <input type="text" name="name" />
22              </label>
23              <label>
24                Password:
25                <input type="text" name="password" />
26              </label>
27            </form>
28          </div>
29
30
31
32
33        </div>
34
35      )
36    }
37  }
38
39
40 }
```

```
import React from 'react';
import ReactDOM from 'react-dom';
import './index.css';
import App from './App';
import Navbar from './navbar';
import LoginForm from './loginform';
import reportWebVitals from './reportWebVitals';
```

```
ReactDOM.render(<LoginForm />,
  document.getElementById('root')
);
```

```
// If you want to start measuring performance in your app, pass a function
// to log results (for example: reportWebVitals(console.log))
// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
reportWebVitals();
```



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```
JS navbar.js JS loginform.js # index.css x JS index.js
login-app > src > # index.css > .container

14 }
15
16 .navbar{
17   display: flex;
18   background-color: #0d3ea0;
19   justify-content: center;
20 }
21 }
22
23 ul{
24
25   display: flex;
26   list-style: none;
27   justify-content: center;
28   align-items: center;
29 }
30
31 li{
32   padding: 10px;
33   text-align: center;
34   color: white;
35 }
36
37 h3{
38   text-align: center;
39 }
40
41 form{
42   text-align: center;
43   padding: 15px;
44 }
45 label{
46   padding: 10px;
47 }
48
49 .container{
50   border-style: outset;
51 }
```



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Screenshots of Running Application:

A screenshot of a web application's login page. The page has a dark blue header bar at the top with the text 'About Promineo', 'Pricing', and 'Contact' in white. Below the header is a yellow section with the text 'Log-In Please' in bold. Underneath this, there are two input fields: 'Username:' followed by a white text box, and 'Password:' followed by a white text box. The rest of the page is a solid yellow background.

About Promineo Pricing Contact

Log-In Please

Username: Password:

URL to GitHub Repository:

<https://github.com/SammyCHM/ReactWk1.git>