



Web App Design with React Week 13 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.
4. Put the Navigation component at the top of the page and the LoginForm in the center of the page.

Screenshots of Code:



PROMINEO TECH

```
JS index.js M X # index.css M JS navbar.js U JS loginForm.js U JS home.js U X ...
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 Navigation from './components/navbar';
7 import loginForm from './components/loginForm';
8 import Home from './components/home';
9 import reportWebVitals from './reportWebVitals';
10
11 ReactDOM.render(
12   React.createElement(Home, {}, null),
13   document.getElementById('root')
14 );
15
16 reportWebVitals();
17

src > components > JS home.js U ...
1 import React from 'react';
2 import './index.css';
3 import loginForm from './loginForm';
4 import Navigation from './navbar';
5
6 export default class Home extends React.Component {
7   render() {
8     return (
9       <div>
10         <Navigation />,
11         <loginForm />
12       </div>
13     );
14   }
15 }
```

```
JS index.js M # index.css M JS navbar.js U X
src > components > JS navbar.js > Navigation
1 import React from 'react';
2 import './index.css';
3
4
5 export default class Navigation extends React.Component {}
6   render() {
7     return (
8       <nav id="topnav">
9         <a id="logo" className="nav-link" href="#">MY NAME</a>
10        <a className="nav-link" href="#">Link 1</a>
11        <a className="nav-link" href="#">Link 2</a>
12        <a className="nav-link" href="#">Link 3</a>
13        <a className="nav-link" href="#">Link 4</a>
14        <a className="nav-link" href="#">Link 5</a>
15
16        <a id="about" class="nav-link" href="#">About Me</a>
17      </nav>
18    );
19  }
20 }
21 }
```



PROMINEO TECH

```
JS loginForm.js U X JS home.js U
src > components > JS loginForm.js > ...
1  import React from 'react';
2  import '../index.css';
3
4
5  export default class LoginForm extends React.Component {
6    render() {
7      return (
8        <div className="container mt-5">
9          <div className="row justify-content-center">
10             <div className="col-md-6" style={{ border: '1px solid #ccc', borderRadius: '5px', padding:
11               <h3 className="mb-4">Login</h3>
12               <form id="loginForm">
13                 <div className="mb-3">
14                   <label htmlFor="username" className="form-label">Username</label>
15                   <input type="text" className="form-control" id="username" name="username" required />
16                 </div>
17                 <div className="mb-3">
18                   <label htmlFor="password" className="form-label">Password</label>
19                   <input type="password" className="form-control" id="password" name="password" required />
20                 </div>
21                 <button type="submit" className="btn btn-primary">Login</button>
22               </form>
23             </div>
24           </div>
25         </div>
26       );
27     }
28   }
```

```
JS loginForm.js U X JS home.js U
src > components > JS loginForm.js > ...
1
2
3
4
5  t.Component {
6
7
8  >
9  -content-center">
10  5" style={{ border: '1px solid #ccc', borderRadius: '5px', padding: '20px', backgroundColor: '#b0e1c3'}}>
11  ">Login</h3>
12  ">
13  "mb-3">
14  For="username" className="form-label">Username</label>
15  ="text" className="form-control" id="username" name="username" required />
16
17  "mb-3">
18  For="password" className="form-label">Password</label>
19  ="password" className="form-control" id="password" name="password" required />
20
21  ubmit" className="btn btn-primary">Login</button>
22
23
24
25
```



PROMINEO TECH

JS index.js M

index.css M X

JS navbar.js U

src > # index.css > body > #topnav

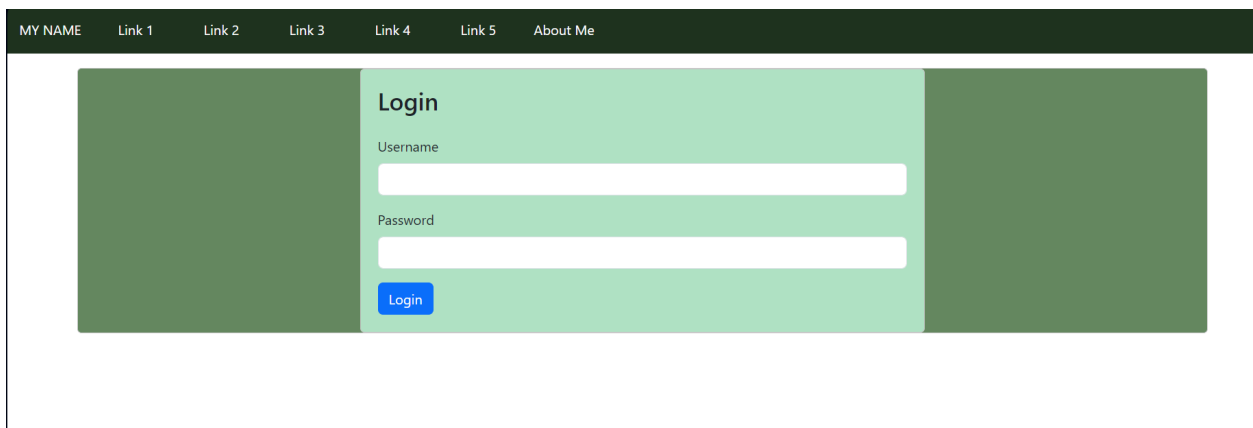
```
1  body {
2      margin: 0;
3      font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
4          'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
5          sans-serif;
6      -webkit-font-smoothing: antialiased;
7      -moz-osx-font-smoothing: grayscale;
8
9      .container {
10         border: 1px solid #ccc;
11         border-radius: 5px;
12         background-color: #658b63;
13     }
14     #topnav {
15         width: 100%;
16
17         position: fixed;
18         top: 0;
19         left: 0;
20
21         background-color: rgb(31, 53, 34);
22     }
23
24     .nav-link {
25         display: inline-block;
26         width: 100px;
27         height: 55px;
28
29         color: white;
30
31
32         text-align: center;
33         line-height: 55px;
34
35         text-decoration: none;
36     }
37 }
```



PROMINEO TECH

```
22
23
24 .nav-link {
25   display: inline-block;
26   width: 100px;
27   height: 55px;
28
29   color: ■ White;
30
31
32   text-align: center;
33   line-height: 55px;
34
35   text-decoration: none;
36 }
37
38
39 code {
40   font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
41   monospace;
42 }
43
```

Screenshots of Running Application:



URL to GitHub Repository:

https://github.com/Vshea/Week13_CodingProject