



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:



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```
JS index.js X JS container.js JS login-form.js JS navigation.js
src > JS index.js > ...
1  import React from 'react';
2  import ReactDOM from 'react-dom/client';
3  import '../node_modules/bootstrap/dist/css/bootstrap.css';
4  import './index.css';
5  import App from './App';
6  import Container from './components/container';
7  import reportWebVitals from './reportWebVitals';
8
9  const root = ReactDOM.createRoot(document.getElementById('root'));
10 root.render(
11   <Container />,
12 );
13
14
15
16 // If you want to start measuring performance in your app, pass a function
17 // to log results (for example: reportWebVitals(console.log))
18 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
19 reportWebVitals();
20
```

```
JS index.js JS container.js X JS login-form.js JS navigation.js
src > components > JS container.js > Container > render
1  import React from 'react';
2  import LoginForm from './login-form';
3  import Navigation from './navigation';
4
5
6  export default class Container extends React.Component {
7    render() {
8      return (
9        <div className="container">
10         <Navigation />
11         <LoginForm />
12       </div>
13     );
14   }
15 }
```



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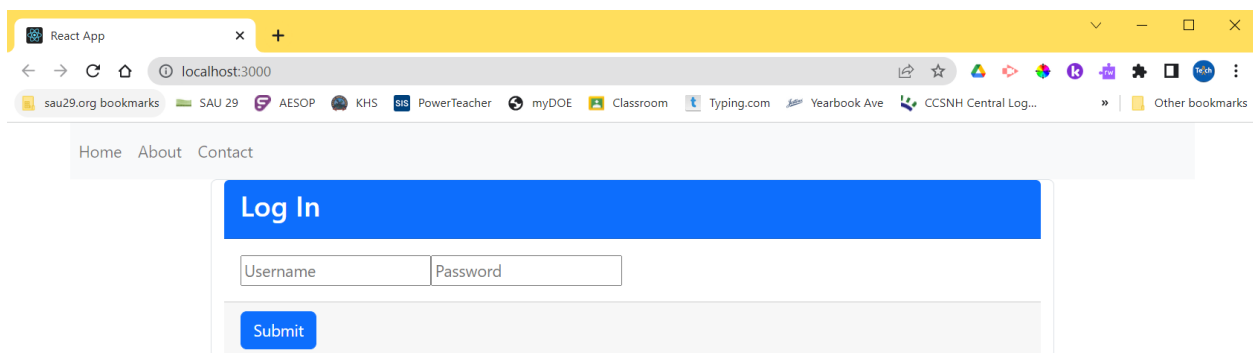
```
JS index.js JS container.js JS login-form.js JS navigation.js X
src > components > JS navigation.js > ...
1 //Create a Navigation component that contains
2 // Links styled like a navbar. The links don't
3 // have to go anywhere.
4
5 import React from 'react';
6
7
8 export default class Navigation extends React.Component {
9   render() {
10     return (
11       <nav className="navbar navbar-expand-lg navbar-light bg-light">
12         <div className="collapse navbar-collapse" id="navbarNav">
13           <ul className="navbar-nav">
14             <li className="nav-item active">
15               <a className="nav-link" href="#">Home <span class="sr-only"></span></a>
16             </li>
17             <li className="nav-item">
18               <a className="nav-link" href="#">About</a>
19             </li>
20             <li className="nav-item">
21               <a className="nav-link" href="#">Contact</a>
22             </li>
23           </ul>
24         </div>
25       </nav>
26     );
27   }
28 }
```



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```
src > components > JS login-form.js > LoginForm > render
1 // Create a LoginForm component that should
2 // contain username and password input fields,
3 // an h3 that says Log In, and a border. Style
4 // the component using the default generated css
5 // file.
6
7 import React from 'react';
8 import SubmitButton from './submit-button';
9
10 export default class LoginForm extends React.Component {
11   render() {
12     return (
13       <div className="card w-75 border container">
14         <div className="card-header bg-primary">
15           <h3 className="text-white">Log In</h3>
16         </div>
17         <div className="card-body">
18           <input name="username" type="text" placeholder="Username"></input>
19           <input name="password" type="password" placeholder="Password"></input>
20         </div>
21         <div className="card-footer">
22           <SubmitButton />
23         </div>
24       </div>
25     );
26   }
27 }
```

Screenshots of Running Application:



URL to GitHub Repository: <https://github.com/dmoylan1/week13Project.git>



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