



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.
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 LoginForm.js X JS NavBar.js
coding-assignment > src > components > JS LoginForm.js > LoginForm > render
1 import React from 'react';
2
3 export default class LoginForm extends React.Component {
4   render() {
5     return (
6       <div className="container" id="login">
7         <div className="card bg-purple border-info">
8           <div className="card-body text-info">
9             <div className="form-group">
10              <input type="text" placeholder="Username" className="form-control"/>
11              <br/><br/>
12              <input type="password" placeholder="Password" className="form-control"/>
13              <br/><br/>
14              <h3 className="card-title">Log In</h3>
15            </div>
16          </div>
17        </div>
18      </div>
19    );
20  };
21 }
22
23 }
```

```
JS LoginForm.js JS NavBar.js X
coding-assignment > src > components > JS NavBar.js > NavBar
1 import React from 'react';
2
3 export default class NavBar extends React.Component {
4   render() {
5     return (
6       <nav className="navbar navbar-expand-sm navbar-dark bg-purple">
7         <a className="navbar-brand" href="#">Cats</a>
8         <div className="collapse navbar-collapse" id="navbarNavDropdown">
9           <ul className="navbar-nav">
10            <li className="nav-item active">
11              <a className="nav-link" href="#">Home</a>
12            </li>
13            <li className="nav-item">
14              <a className="nav-link" href="#">Cat Behavior</a>
15            </li>
16            <li className="nav-item">
17              <a className="nav-link" href="#">Cat Food</a>
18            </li>
19            <li className="nav-item">
20              <a className="nav-link" href="#">Cat Health</a>
21            </li>
22          </ul>
23        </div>
24      </nav>
25    );
26  };
27 }
28
29 }
```



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```
JS LoginForm.js JS NavBar.js JS App.js X
coding-assignment > src > JS App.js > ...
1 import logo from './logo.svg';
2 import './App.css';
3 import LoginForm from './components/LoginForm';
4 import NavBar from './components/NavBar';
5
6
7 function App() {
8   return (
9     <div className="App">
10       <NavBar />,
11       <LoginForm />
12     </div>
13   );
14 }
15
16
17 export default App;
18
```

```
JS LoginForm.js JS NavBar.js # index.css X
coding-assignment > src > # index.css > .nav-link
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   background-color: #rgb(212, 161, 247);
9 }
10
11 code {
12   font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
13     monospace;
14 }
15
16 .container {
17   border: solid #purple 10px;
18   margin-top: 10%;
19   margin-left: 15%;
20   padding: 0px;
21 }
22
23 .navbar-brand {
24   font-size: 60px;
25   background-color: #blueviolet;
26 }
27
28 .nav-link {
29   font-size: 40px;
30 }
31
32 .bg-purple {
33   background-color: #rgb(106, 46, 175);
34 }
```



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Screenshots of Running Application:

The screenshot shows a web application interface. At the top, there is a dark blue navigation bar with the word 'Cats' in white, followed by links: 'Home', 'Cat Behavior', 'Cat Food', and 'Cat Health'. Below the navigation bar is a light blue background. In the center, there is a dark blue login box with a white border. Inside the box, there are two white input fields: the first is labeled 'Username' and the second is labeled 'Password'. Below the input fields is a blue button with the text 'Log In' in white.

URL to GitHub Repository:

https://github.com/JoanaBarao7/REACT_week1