



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

Lisa Smith — Week1 — 2021-10-05-fesd-nashua

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.



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Screenshots of Code:

index.css:

```
index.css — React-Week1
...
# LoginForm.js U # index.css U X # Navigation.js U # index.js U # index.html U
React-Week1-HW > week1hw > src > # index.css > ...
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
10 code {
11   font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
12     monospace;
13 }
14
15 h3 {
16   background-color: #blueviolet;
17   align-self: auto;
18   color: #white;
19   font-family: fantasy;
20 }
21
22 .h3div {
23   text-align: center;
24 }
25
26 h5 {
27   color: #white;
28   background-color: #blue;
29   align-self: auto;
30   font-family: fantasy;
31 }
32
33 .h5div {
34   text-align: center;
35 }
36
37 .col-sm-4 {
38   background-color: #lightblue;
39 }
40
41 .formdiv {
42   justify-content: center;
43   text-align: center;
44   border: 5px;
45 }
46
47
48 .container {
49   display: flex;
50
51   justify-content: center;
52 }
53
54 div.logindiv {
55   background-color: #aquamarine;
56 }
57
58 .navdiv {
59   color: #white;
60   background-color: #blue;
61 }
62
63 a {
64   color: #white;
65   font-family: fantasy;
66 }
67
68
69 .linkname {
70   color: #white;
71   font-family: fantasy;
72 }
73
74
75 p {
76   font-family: fantasy;
77 }
78
79
80 p.bgColor {
81   color: #white;
82   background-color: #blueviolet;
83 }
84
85
86
87 p.diffBgColor {
88   color: #white;
89   background-color: #blue;
90 }
91
```



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index.js:

```
React-Week1-HW > week1hw > 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 Navigation from './Navigation';
 6  import LoginForm from './LoginForm';
 7  import reportWebVitals from './reportWebVitals';
 8
 9  ReactDOM.render(
10    <div>
11      <Navigation />
12      <br></br>
13      <LoginForm />
14    </div>,
15    document.getElementById('root')
16  );
17
18  // If you want to start measuring performance in your app, pass a function
19  // to log results (for example: reportWebVitals(console.log))
20  // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
21  reportWebVitals();
22  |
```

LoginForm.js:

```
JS LoginForm.js U x JS Navigation.js U
React-Week1-HW > week1hw > src > 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-fluid center">
 7          <div className="col-sm-4 "></div>
 8          <div className="col-sm-4 container-fluid border border-primary rounded">
 9            <form className="formdiv form-style container d-block ">
10              <br></br>
11              <div className="h3div">
12                <h3 className="center rounded p-2"> Log In</h3>
13              </div>
14              <div>
15                <label form="valid02" className="form-label">
16                  <div className="h4div">
17                    <h5 className="center rounded p-2">Enter Username <br></br>and Password</h5>
18                  </div>
19                  <input type="text" name="username" placeholder="username" />
20                  <input type="text" name="password" placeholder="password" />
21                </label>
22              </div>
23              <button type="submit">Submit</button>
24              <br></br>
25              <br></br>
26            </form>
27          </div>
28        </div>
29      )
30    }
31  }
```



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Navigation.js:

```
JS LoginForm.js U JS Navigation.js U X
React-Week1-HW > week1hw > src > JS Navigation.js > ...
1  import React from 'react';
2
3
4  export default class Navigation extends React.Component {
5      render() {
6          return (
7              <div className="navdiv container bgColor center rounded border border-primary">
8                  <nav className="navbar navbar-expand-lg">
9                      <a className="center navbar-brand" href="/">Visit New Hampshire</a>
10                     <button className="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavMarkup"
11                         aria-controls="navbarNavMarkup" aria-expanded="false" aria-label="Toggle navigation">
12                         <span className="navbar-toggler-icon"></span>
13                     </button>
14                     <div className="collapse navbar-collapse" id="navbarNavDropdown">
15                         <a className="linkname nav-link" href="/">Home</a><span> </span>
16                         <a className="linkname nav-link" href="/">About</a><span> </span>
17                         <a className="linkname nav-link" href="/">Contact Us</a>
18                     </div>
19                 </nav>
20             </div>
21         )
22     }
23 }
```



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Screenshots of Running Application:

Main page:

FE Week1 HW

localhost:3000

Visit New Hampshire Home About Contact Us

Log In

Enter Username and Password

username

password

Submit

Type in the new Username and Password:

FE Week1 HW

localhost:3000

Visit New Hampshire Home About Contact Us

Log In

Enter Username and Password

NewUser

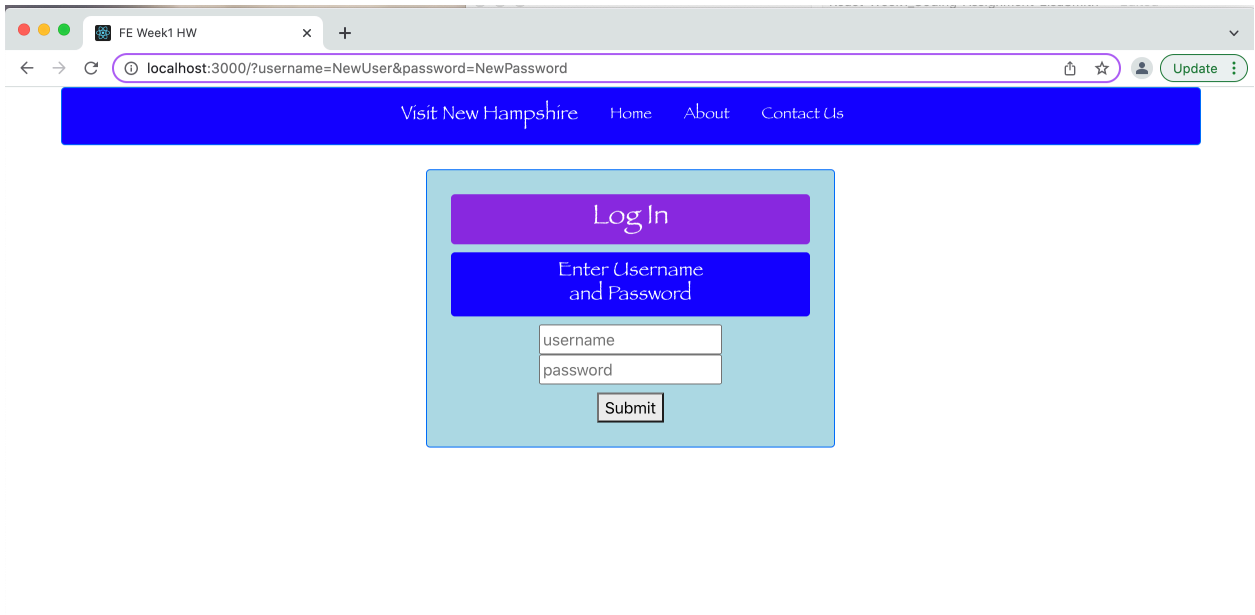
NewPassword

Submit

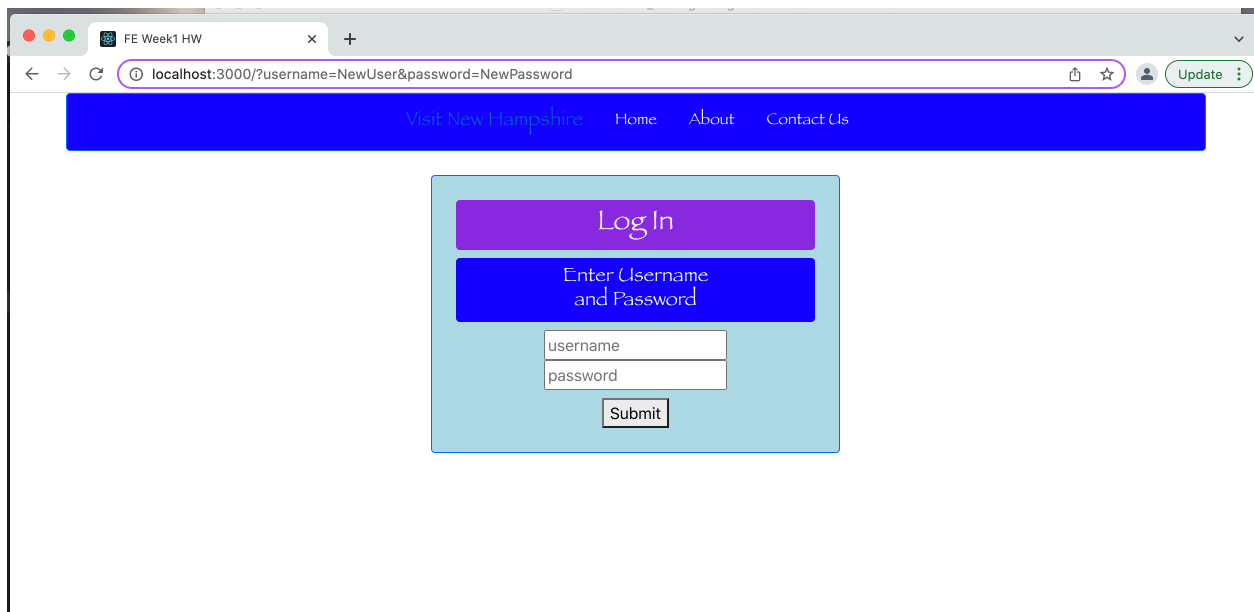


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After hitting submit:



Hovering over the NavBar:



URL to GitHub Repository: <https://github.com/sw-dev-lisa-s-nh/React-Week1>