



## Week 13: Coding Assignment

**URL to GitHub Repository:**

[https://github.com/Rcruzn33/Login\\_reactApp.git](https://github.com/Rcruzn33/Login_reactApp.git)

**URL to Your Coding Assignment Video:**

[https://youtu.be/IwtPN1z\\_8gU](https://youtu.be/IwtPN1z_8gU)

### Instructions:

- In Visual Studio Code, write the code that accomplishes the objectives listed below and ensures that the code compiles and runs as directed.
- Create a new repository on GitHub for this week's assignments and push this document, with your project code, to the repository.
- Include the URLs for this week's repository and video where instructed.
- Submit this document as a .PDF file in the LMS.

### Coding Steps:

- Using **create-react-app**, create a new React project. Create a LoginForm component that contains the following:
  - Username and password input fields, an h3 that says Log In, with a border.  
Style the component using the default generated CSS file.
- Create a Navigation component that contains links styled like a navbar.
  - The links don't have to go anywhere.
- Put the Navigation component at the top of the page and the LoginForm in the center of the page.



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### Video Steps:

- Create a video, up to five minutes max, showing and explaining how your project works with an emphasis on the portions you contributed.
- This video should be done using screen share and voice over.
- This can easily be done using Zoom, although you don't have to use Zoom, it's just what we recommend.
  - You can create a new meeting, start screen sharing, and start recording.
  - This will create a video recording on your computer.
- This should then be uploaded to a publicly accessible site, such as YouTube.
  - Ensure the link you share is **PUBLIC** or **UNLISTED**!
  - If it is not accessible by your grader, your project will be graded based on what they can access.

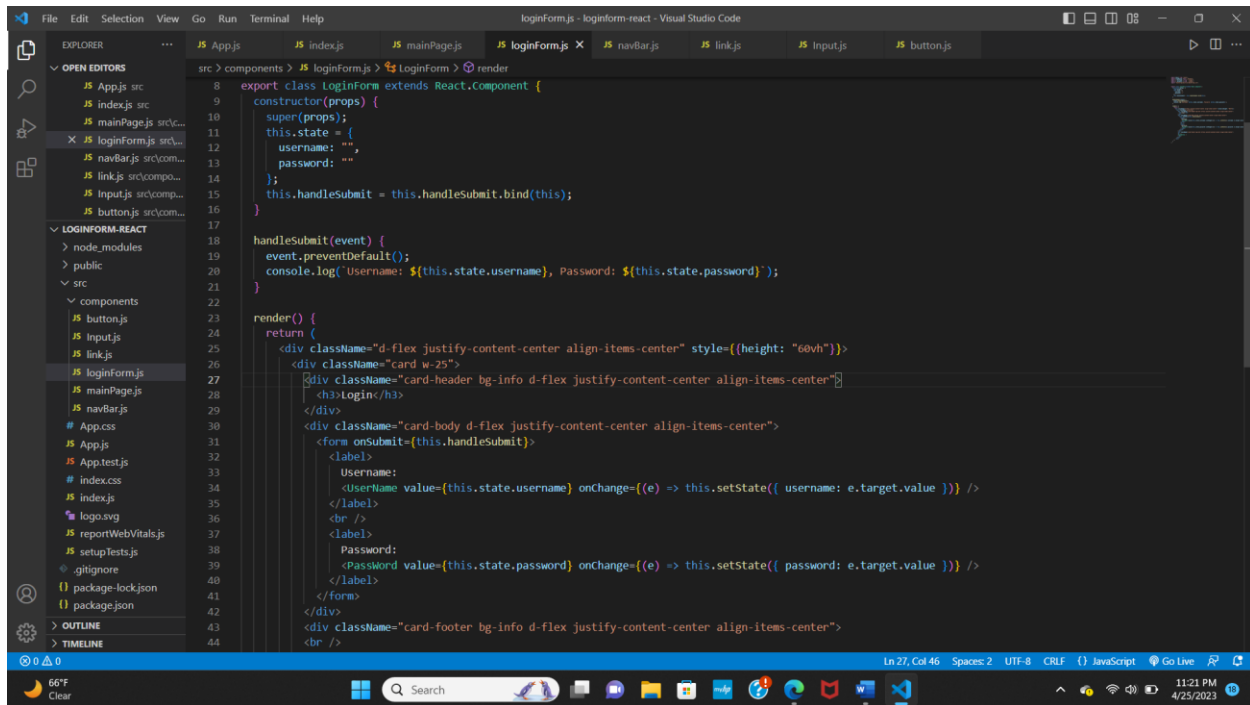
The screenshot shows the Visual Studio Code interface with a React project. The Explorer panel on the left shows the project structure, including the 'src' directory and the 'components' folder. The main editor displays the 'mainPage.js' file, which contains the following code:

```
1 import React from "react";
2 import NavBar from './NavBar';
3 import { LoginForm } from './loginForm';
4
5
6 function MainPage() {
7   const styles = {
8     backgroundImage: 'url(/vegasSkyline.jpg)',
9     backgroundSize: 'cover',
10    height: '100vh'
11  };
12
13  return (
14    <div style={styles}>
15      <NavBar />
16      <LoginForm />
17    </div>
18  );
19
20 export default MainPage;
```



# PROMINEO TECH

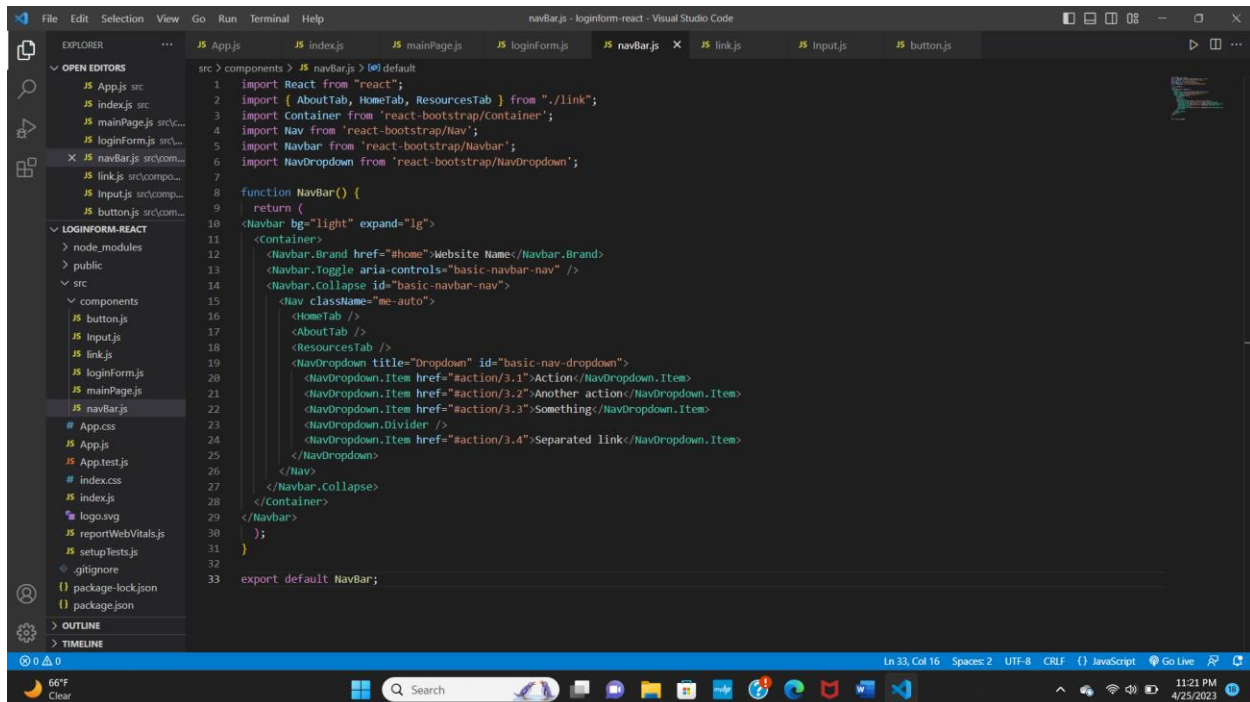
## Week 13: Coding Assignment



```
export class LoginForm extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      username: '',
      password: ''
    };
    this.handleSubmit = this.handleSubmit.bind(this);
  }

  handleSubmit(event) {
    event.preventDefault();
    console.log('Username: ${this.state.username}, Password: ${this.state.password}');
  }

  render() {
    return (
      <div className="d-flex justify-content-center align-items-center" style={{height: "60vh"}}>
        <div className="card w-25">
          <div className="card-header bg-info d-flex justify-content-center align-items-center">
            <h3>login</h3>
          </div>
          <div className="card-body d-flex justify-content-center align-items-center">
            <form onSubmit={this.handleSubmit}>
              <label>
                Username:
                <input type="text" value={this.state.username} onChange={(e) => this.setState({ username: e.target.value })} />
              </label>
              <br />
              <label>
                Password:
                <input type="password" value={this.state.password} onChange={(e) => this.setState({ password: e.target.value })} />
              </label>
            </form>
          </div>
          <div className="card-footer bg-info d-flex justify-content-center align-items-center">
            <br />
          </div>
        </div>
      </div>
    );
  }
}
```



```
import React from 'react';
import { AboutTab, HomeTab, ResourcesTab } from './link';
import Container from 'react-bootstrap/Container';
import Nav from 'react-bootstrap/Nav';
import Navbar from 'react-bootstrap/Navbar';
import NavDropdown from 'react-bootstrap/NavDropdown';

function Navbar() {
  return (
    <Navbar bg="light" expand="lg">
      <Container>
        <Navbar.Brand href="#home">Website Name</Navbar.Brand>
        <Navbar.Toggle aria-controls="basic-navbar-nav" />
        <Navbar.Collapse id="basic-navbar-nav">
          <Nav className="me-auto">
            <HomeTab />
            <AboutTab />
            <ResourcesTab />
          </Nav>
          <NavDropdown title="Dropdown" id="basic-nav-dropdown">
            <NavDropdown.Item href="#action/3.1">Action</NavDropdown.Item>
            <NavDropdown.Item href="#action/3.2">Another action</NavDropdown.Item>
            <NavDropdown.Item href="#action/3.3">Something</NavDropdown.Item>
            <NavDropdown.Divider />
            <NavDropdown.Item href="#action/3.4">Separated link</NavDropdown.Item>
          </NavDropdown>
        </Navbar.Collapse>
      </Container>
    </Navbar>
  );
}

export default Navbar;
```



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```
1 import React from 'react';
2
3 export class Username extends React.Component {
4   constructor(props) {
5     super(props);
6   }
7
8   render() {
9     return (
10       <input type="text" className="form-control" placeholder="Username" value={this.props.value} onChange={this.props.onChange} />
11     );
12   }
13 }
14
15 export class Password extends React.Component {
16   constructor(props) {
17     super(props);
18   }
19
20   render() {
21     return (
22       <input type="password" className="form-control" placeholder="Password" value={this.props.value} onChange={this.props.onChange} />
23     );
24   }
25 }
```

```
1 import React from 'react';
2 import { Nav } from 'react-bootstrap';
3
4 export class HomeTab extends React.Component {
5   render() {
6     return (
7       <Nav.Link href="#">Home</Nav.Link>
8     );
9   }
10 }
11
12 export class AboutTab extends React.Component {
13   render() {
14     return (
15       <Nav.Link href="#">About</Nav.Link>
16     );
17   }
18 }
19
20 export class ResourcesTab extends React.Component {
21   render() {
22     return (
23       <Nav.Link href="#">Resources</Nav.Link>
24     );
25   }
26 }
27 }
```



# PROMINEO TECH

## Week 13: Coding Assignment

```
1 import React from "react";
2
3 export default class SignButton extends React.Component {
4   render() {
5     return React.createElement('button',{
6       className: 'btn btn-primary',
7     }, 'Sign In');
8   }
9 }
10
11
```