

2.ReactJS-Handson

Install create-react-app and creating the React app and navigating into the app folder:

```
PS C:\Users\MIIT> npx create-react-app studentapp
Creating a new React App in C:\Users\MIIT\studentapp.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1324 packages in 53s
269 packages are looking for funding
  run `npm fund` for details
Initialized a git repository.
Installing template dependencies using npm...
added 18 packages, and changed 1 package in 7s
269 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...

removed 1 package, and audited 1342 packages in 4s
269 packages are looking for funding
  run `npm fund` for details
❗ vulnerabilities (3 moderate, 6 high)
To address all issues (including breaking changes), run:
  npm audit fix --force
Run `npm audit` for details.
Created git commit.
Success! Created studentapp at C:\Users\MIIT\studentapp
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd studentapp
  npm start

Happy hacking!
PS C:\Users\MIIT> |
```

Code in src/components/Home.js

```
src > components > JS Home.js > ...
1  import React, { Component } from 'react';
2
3  class Home extends Component {
4    render() {
5      return (
6        <div>
7          <h2>Welcome to the Home page of Student Management Portal</h2>
8        </div>
9      );
10   }
11 }
12
13 export default Home;
```

Code in src/components/About.js

```
src > components > JS About.js > ...
1  import React from 'react';
2
3  function About() {
4    return (
5      <div>
6        <h2>Welcome to the About page of the Student Management Portal</h2>
7      </div>
8    );
9  }
10
11 export default About;
```

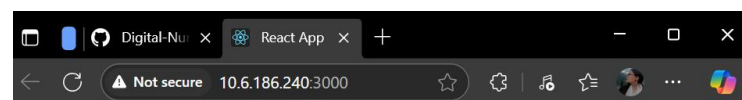
Code in src/components/Contact.js

```
src > components > JS Contact.js > ...
1  import React, { Component } from 'react';
2
3  class Contact extends Component {
4    render() {
5      return (
6        <div>
7          <h2>Welcome to the Contact page of the Student Management Portal</h2>
8        </div>
9      );
10   }
11 }
12
13 export default Contact;
14
```

Code in App.js

```
src > JS App.js > ...
1  import React from 'react';
2  import './App.css';
3  import Home from './components/Home';
4  import About from './components/About';
5  import Contact from './components/Contact';
6
7  function App() {
8    return (
9      <div className="App">
10        <Home />
11        <About />
12        <Contact />
13      </div>
14    );
15  }
16
17 export default App;
```

Output



Welcome to the Home page of Student Management Portal

Welcome to the About page of the Student Management Portal

Welcome to the Contact page of the Student Management Portal