

Create a First React Web App

i)Create a Folder User in the App root folder by import React.Component

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: powershell

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PS C:\Acadgild_fswd_21apr1\day23-jul21\assignment\assignment23.1> npm install --save-dev create-react-component-folder

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: powershell

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PS C:\Acadgild_fswd_21apr1\day23-jul21\assignment\assignment23.1> npx crcf User

JS registerServiceWorker.js

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: powershell

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JS registerServiceWorker.js

▸ User

◆ .gitignore

{ } package-lock.json

{ } package.json

① README.md

C:\Acadgild_fswd_21apr1\day23-jul21\assignment\assignment23.1\node_modules\create-react-component-folder\bin\crcf.js

\ Creating components files...

Created new React components at:

User

└─ index.js

└─ User.js

└─ User.test.js

└─ User.css

🔧 Finished in: 114.685ms

DONE Success!

ii) Create a non-functional component as User and Class Component as Users

File Edit Selection View Go Debug Tasks Help

EXPLORER

JS User.js x

OPEN EDITORS

JS User.js src\User

ASSIGNMENT23.1

▸ build

▸ node_modules

▾ public

★ favicon.ico

<> index.html

{ } manifest.json

▾ src

▾ User

JS index.js

User.css

JS User.js

🔗 User.scss

JS User.test.js

JS UserList.js

1

import React from 'react';

2

import PropTypes from 'prop-types';

3

import './User.css';

4

5

function User(props){

6

return (

7

8

Name :{props.name} Age :{props.age}

9

</div>

10

);

11

}

12

User.propTypes = {

13

name: PropTypes.string.isRequired,

14

age: PropTypes.string.isRequired

15

}

16

17

export default User;

EXPLORER

OPEN EDITORS 1 UNSAVED

JS App.js src

ASSIGNMENT23.1

build

node_modules

public

favicon.ico

index.html

manifest.json

src

User

index.js

User.css

User.js

User.scss

User.test.js

UserList.js

App.css

App.js

App.test.js

index.css

index.js

logo.svg

registerServiceWorker.js

.gitignore

package-lock.json

JS App.js

```
1 import React from 'react';
2 import logo from './logo.svg';
3 import './App.css';
4 // import the UserList component
5 import UserList from './User/UserList';
6 const users = [
7   { id: 1, name: "Akash", age: "30"},
8   { id: 2, name: "Hamilton", age: "22"},
9   { id: 3, name: "Chitra", age: "26"},
10  { id: 4, name: "Sanju", age: "32"},
11  { id: 5, name: "Eric", age: "34"},
12 ];
13 class App extends React.Component {
14   render() {
15     return (
16       <div className="App">
17         <header className="App-header">
18           <img src={logo} className="App-logo" alt="logo" />
19           <h3 className="App-title">User List</h3>
20         </header>
21         <UserList users={users}/>
22       </div>
23     );
24   }
25 }
26 export default App;
```

iii) Pass the user list Name and Age from non-functional component to class component using props.

EXPLORER

OPEN EDITORS

JS UserList.js src\User

ASSIGNMENT23.1

node_modules

public

favicon.ico

index.html

manifest.json

src

User

index.js

User.css

User.js

User.scss

User.test.js

UserList.js

JS UserList.js

```
1 import React from "react";
2 // import the User component
3 import User from "./User";
4
5 function UserList(props){
6   return(
7     <div>
8       {props.users.map(userobj=><User key={userobj.id} name={userobj.name}
9         age={userobj.age} />)}
10     </div>
11   );
12 }
13 export default UserList;
```

iv) Render the UserList of Users and Age.

JS App.js src

ASSIGNMENT23.1

node_modules

public

★ favicon.ico

<> index.html

{ } manifest.json

src

User

JS index.js

User.css

JS User.js

User.scss

JS User.test.js

JS UserList.js

App.css

JS App.js

14

15

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17

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19

20

21

22

23

24

25

26

27

28

29

```
class App extends React.Component {
  render() {
    return (
      <div className="App">
        <header className="App-header">
          <img src={logo} className="App-logo" alt="logo" />
          <h3 className="App-title">User List</h3>
        </header>
        <UserList users={users}/>
      </div>
    );
  }
}

export default App;
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: powershell

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PS C:\Acadgild_fswd_21apr1\day23-jul21\assignment\assignment23.1> npm start

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: node

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Compiled successfully!

You can now view assignment23.1 in the browser.

http://localhost:3000/


Note that the development build is not optimized.

To create a production build, use `npm run build`.

Name :Akash Age :30
Name :Hamilton Age :22
Name :Chitra Age :26
Name :Sanju Age :32
Name :Eric Age :34

First React Web App

localhost:3000



User List

Name :Akash Age :30
Name :Hamilton Age :22
Name :Chitra Age :26
Name :Sanju Age :32
Name :Eric Age :34

ElementsConsoleSourcesNetworkPerformanceMemory

topFilterDefault levelsGroup similar1 hidden

1 message

1 user mess...

No errors

No warnings

1 info

No verbose