

Week6_4_ReactJS_HOL

Creating the app

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

Active code page: 65001

C:\Users\veert\OneDrive\Desktop\javanew>npx create-react-app blogapp

Creating a new React app in C:\Users\veert\OneDrive\Desktop\javanew\blogapp.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1323 packages in 42s

269 packages are looking for funding
  run `npm fund` for details

Initialized a git repository.

Installing template dependencies using npm...

added 17 packages, and changed 1 package in 4s

269 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...
```

Post.js

```
blogapp > src > JS Post.js > ...
1  class Post {
2    constructor(userId, id, title, body) {
3      this.userId = userId;
4      this.id = id;
5      this.title = title;
6      this.body = body;
7    }
8  }
9
10 export default Post;
11
```

Posts.js

```
blogapp > src > JS Posts.js > Posts > render
1  import React, { Component } from 'react';
2  import Post from './Post';
3  class Posts extends Component {
4    constructor(props) {
5      super(props);
6      this.state = {
7        posts: [],
8      };
9    }
10   loadPosts = async () => {
11     try {
12       const response = await fetch('https://jsonplaceholder.typicode.com/posts');
13       const data = await response.json();
14       const postObjects = data.map(
15         (item) => new Post(item.userId, item.id, item.title, item.body)
16       );
17       this.setState({ posts: postObjects });
18     } catch (error) {
19       console.error("Error fetching posts:", error);
20     }
21   };
22   componentDidMount() {
23     this.loadPosts();
24   }
25   componentDidCatch(error, info) {
26     alert("An error occurred: " + error.toString());
27   }
28   render() {
29     return (
30       <div>
31         <h1>Blog Posts</h1>
32         {this.state.posts.map((post) => (
33           <div key={post.id} style={{ marginBottom: "20px" }}>
34             <h2>{post.title}</h2>
35             <p>{post.body}</p>
36           </div>))} </div>
37       );
38     }
39     export default Posts;
```

Ln 36, Col 27: Spaces: 4, UTF-8, LF (1)

App.js

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

Starting the app

```
> blogapp@0.1.0 start
> react-scripts start
Compiled successfully!
```

You can now view **blogapp** in the browser.

```
Compiled successfully!
```

You can now view **blogapp** in the browser.

```
Local:          http://localhost:3000
On Your Network: http://192.168.56.1:3000
```

Note that the development build is not optimized.
To create a production build, use `npm run build`.

```
webpack compiled successfully
```

Output

