

TASK 4

BLOGAPP

Post.js:

```
import React from 'react';

class Post extends React.Component {
  render() {
    const { title, body } = this.props;
    return (
      <div className="post">
        <h2>{title}</h2>
        <p>{body}</p>
        <hr />
      </div>
    );
  }
}
```

```
export default Post;
```

Posts.js:

```
import React, { Component } from 'react';
import Post from './Post';

class Posts extends Component {
```

```
constructor(props) {  
  super(props);  
  this.state = {  
    posts: [],  
    hasError: false  
  };  
}
```

// Step 6: Fetch posts

```
loadPosts() {  
  fetch('https://jsonplaceholder.typicode.com/posts')  
    .then(response => response.json())  
    .then(data => this.setState({ posts: data })))  
    .catch(error => {  
      console.error('Error fetching posts:', error);  
      this.setState({ hasError: true });  
    });  
}
```

// Step 7: componentDidMount

```
componentDidMount() {  
  this.loadPosts();  
}
```

```
// Step 9: componentDidCatch
```

```
componentDidCatch(error, info) {  
  alert("An error occurred while loading the posts.");  
  console.error("Error boundary caught:", error, info);  
  this.setState({ hasError: true });  
}
```

```
// Step 8: render
```

```
render() {  
  const { posts, hasError } = this.state;  
  
  if (hasError) {  
    return <h2>Something went wrong. Please try again later.</h2>;  
  }  
  
  return (  
    <div>  
      <h1>Blog Posts</h1>  
      {posts.map(post => (  
        <Post key={post.id} title={post.title} body={post.body} />  
      ))}  
    </div>  
  );  
}
```

```
}
```

```
export default Posts;
```

App.js:

```
import React from 'react';
```

```
import './App.css';
```

```
import Posts from './Posts';
```

```
function App() {
```

```
  return (
```

```
    <div className="App">
```

```
      <Posts />
```

```
    </div>
```

```
  );
```

```
}
```

```
export default App;
```

OUTPUT:

File Edit Selection View Go Run Terminal Help

firstreact

EXPLORER

myfirstreact > src > JS > Posts.js > ...

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```
1 import React, { Component } from 'react';
2 import Post from './Post';
3
4 class Posts extends Component {
5   constructor(props) {
6     super(props);
7     this.state = {
8       posts: [],
9       hasError: false
10    };
11  }
12
13  // Step 6: Fetch posts
14  loadPosts() {
15    fetch('https://jsonplaceholder.typicode.com/posts')
16      .then(response => response.json())
17      .then(data => this.setState({ posts: data }))
18      .catch(error => {
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Compiled successfully!

You can now view myfirstreact in the browser.

Local: http://localhost:3000

On Your Network: http://192.168.0.100:3000

Note that the development build is not optimized.

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

webpack compiled successfully

node - myfirstreact

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React App

localhost:3000

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Blog Posts

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