

React hand-on 4

Create a new react application using create-react-app tool with the name as “blogapp” Open the application using VS Code Create a new file named as Post.js in src folder with following properties

Step1: create a react app

Step2: create post.js file in src

```
class Post {  
  constructor(id, title, body) {  
    this.id = id;  
    this.title = title;  
    this.body = body;  
  }  
}
```

```
export default Post;
```

Step3: create posts.js file in src

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

```
class Posts extends Component {  
  constructor(props) {  
    super(props);
```

```
this.state = {  
  posts: [],  
  hasError: false  
};  
}  
  
// Fetch posts from API  
loadPosts = async () => {  
  try {  
    const response = await  
fetch("https://jsonplaceholder.typicode.com/posts");  
    const data = await response.json();  
  
    const postList = data.slice(0, 10).map(post => new Post(post.id, post.title,  
post.body));  
    this.setState({ posts: postList });  
  } catch (error) {  
    console.error("Error fetching posts", error);  
    this.setState({ hasError: true });  
  }  
};  
  
// Lifecycle hook – gets called after initial render  
componentDidMount() {
```

```
this.loadPosts();  
  
}  
  
// Error boundary – catches rendering errors in children  
componentDidCatch(error, info) {  
  alert("An error occurred while rendering the posts.");  
  console.error("Caught by componentDidCatch:", error, info);  
  this.setState({ hasError: true });  
}  
  
render() {  
  if (this.state.hasError) {  
    return <h2>Something went wrong!</h2>;  
  }  
  
  return (  
    <div style={{ padding: '20px' }}>  
      <h1>Blog Posts</h1>  
      {this.state.posts.map(post => (  
        <div key={post.id} style={{ marginBottom: '20px' }}>  
          <h3>{post.title}</h3>  
          <p>{post.body}</p>  
        </div>  
      )}
```

```
    )}}  
  </div>  
  
  );  
}  
}
```

```
export default Posts;
```

```
//the link that gives a latin-like placeholder text which is not a real language
```

```
// it will fetch the dummy data
```

Step4: in App.js

```
import React from 'react';  
import './App.css';  
import Posts from './Posts';
```

```
function App() {  
  return (  
    <div className="App">  
      <Posts />  
    </div>  
  );  
}
```

```
export default App;
```

Step5: run the app using. "npm start"

Output:

