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

*Figure 2: Post class*

1. Create a new class based component named as **Posts** inside **Posts.js** file

*Figure 3: Posts Component*

1. Initialize the component with a list of Post in state of the component using the constructor
2. Create a new method in component with the name as **loadPosts()** which will be responsible for using Fetch API and assign it to the component state created earlier. To get the posts use the url (<https://jsonplaceholder.typicode.com/posts>)

*Figure 4: loadPosts() method*

1. Implement the **componentDidMount()** hook to make calls to **loadPosts()** which will fetch the posts

*Figure 5: componentDidMount() hook*

1. Implement the **render()** which will display the title and post of posts in html page using heading and paragraphs respectively.

*Figure 6: render() method*

1. Define a **componentDidCatch()** method which will be responsible for displaying any error happing in the component as alert messages.

*Figure 7: componentDidCatch() hook*

1. Add the Posts component to App component.
2. Build and Run the application using *npm start* command.

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<title>Blog App</title>

</head>

<body>

<div id="root"></div>

</body>

</html>

**index.js**

import React from "react";

import ReactDOM from "react-dom/client";

import "./index.css";

import App from "./App";

const root = ReactDOM.createRoot(document.getElementById("root"));

root.render(

<React.StrictMode>

<App />

</React.StrictMode>

);

**index.css**

body {

font-family: Arial, sans-serif;

background-color: #f8f9fa;

margin: 0;

padding: 20px;

}

h1 {

color: #222;

margin-bottom: 20px;

}

**App.js**

import React from "react";

import Posts from "./Posts";

function App() {

return (

<div className="App">

<h1>Blog Posts</h1>

<Posts />

</div>

);

}

export default App;

**Posts.js**

import React, { Component } from "react";

import Post from "./Post";

class Posts extends Component {

constructor(props) {

super(props);

this.state = {

posts: [],

hasError: false

};

}

componentDidMount() {

this.loadPosts();

}

loadPosts() {

fetch("https://jsonplaceholder.typicode.com/posts")

.then(res => res.json())

.then(data => {

this.setState({ posts: data.slice(0, 10) }); // Display only 10 posts

})

.catch(error => {

console.error("Fetch error:", error);

this.setState({ hasError: true });

});

}

componentDidCatch(error, info) {

alert("Something went wrong while rendering posts.");

console.log("Error:", error, info);

}

render() {

const { posts } = this.state;

return (

<div>

{posts.map(post => (

<Post key={post.id} title={post.title} body={post.body} />

))}

</div>

);

}

}

export default Posts;

**Post.js**

import React from "react";

function formatText(text) {

return text

.split(". ")

.map(sentence =>

sentence.charAt(0).toUpperCase() + sentence.slice(1)

)

.join(". ");

}

class Post extends React.Component {

render() {

const { title, body } = this.props;

return (

<div style={{

border: "1px solid #ddd",

padding: "15px",

marginBottom: "15px",

backgroundColor: "#fff",

borderRadius: "6px",

boxShadow: "0 1px 3px rgba(0,0,0,0.1)"

}}>

<h2>{formatText(title)}</h2>

<p>{formatText(body)}</p>

</div>

);

}

}

export default Post;

**package.json**

{

"name": "blogapp",

"version": "1.0.0",

"private": true,

"dependencies": {

"react": "^18.2.0",

"react-dom": "^18.2.0",

"react-scripts": "5.0.1"

},

"scripts": {

"start": "react-scripts start",

"build": "react-scripts build",

"test": "react-scripts test"

}

}

**OUTPUT**

**A screenshot of a computer

AI-generated content may be incorrect.**