4.ReactJS-HOL:

BlogApp:

Post.js:

import React from "react";

class Post extends React.Component {

  render() {

    const { title, body } = this.props;

    return (

      <div style={{ border: "1px solid #ccc", margin: "10px", padding: "10px" }}>

        <h2>{title}</h2>

        <p>{body}</p>

      </div>

    );

  }

}

export default Post;

Posts.js:

import React from "react";

import Post from "./Post";

class Posts extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

      hasError: false,

    };

  }

  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 });

      });

  };

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert("Something went wrong in Posts component.");

    console.error("Caught error:", error, info);

    this.setState({ hasError: true });

  }

  render() {

    if (this.state.hasError) {

      return <h1>Unable to load posts.</h1>;

    }

    return (

      <div>

        <h1>All Blog Posts</h1>

        {this.state.posts.slice(0, 10).map((post) => (

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

        ))}

      </div>

    );

  }

}

export default Posts;

App.js:

import React from "react";

import Posts from "./Posts";

function App() {

  return (

    <div className="App">

      <Posts />

    </div>

  );

}

export default App;

Output:

A screenshot of a computer

AI-generated content may be incorrect.