4. ReactJS-HOL

Code:

Post.js:

class Post{

    constructor(id, title,body){

        this.id = id;

        this.title = title;

        this.body = body;

    }

}

export default Post;

Posts.js:

// src/Posts.js

import React, { Component } from 'react';

import Post from './Post';

class Posts extends Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

      hasError: false

    };

  }

  loadPosts() {

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

      .then(response => response.json())

      .then(data => {

        const postList = data.map(

          item => new Post(item.id, item.title, item.body)

        );

        this.setState({ posts: postList });

      })

      .catch(error => {

        console.error('Error fetching posts:', error);

        alert('Error fetching posts.');

      });

  }

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    console.error('Error caught in component:', error, info);

    alert('An error occurred while rendering Posts component.');

    this.setState({ hasError: true });

  }

  render() {

    return (

      <div>

        <h1>Blog Posts</h1>

        {this.state.posts.map(post => (

          <div key={post.id}>

            <h3>{post.title}</h3>

            <p>{post.body}</p>

            <hr />

          </div>

        ))}

      </div>

    );

  }

}

export default Posts;

Output:

