**REACT HandsOnLAB - 4**

**In this hands-on lab, you will learn how to:**

* **Implement componentDidMount() hook**
* **Implementing componentDidCatch() life cycle hook.**

**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 from 'react';

import Post from './Post';

class Posts extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      posts: [],

      hasError: false,

      errorInfo: null

    };

  }

  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) => {

        this.setState({ hasError: true, errorInfo: error.toString() });

      });

  }

  componentDidMount() {

    this.loadPosts();

  }

  componentDidCatch(error, info) {

    alert("An error occurred in the component.");

    this.setState({ hasError: true, errorInfo: error.toString() });

  }

  render() {

    if (this.state.hasError) {

      return <h2>Error occurred: {this.state.errorInfo}</h2>;

    }

    return (

      <div>

        <h1>Blog Posts</h1>

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

          <div key={post.userId} style={{ marginBottom: "20px" }}>

            <h3>{post.id}.{post.title}</h3>

            <p>{post.body}</p>

          </div>

        ))}

      </div>

    );

  }

}

export default Posts;

**App.js**

import React from 'react';

import Posts from './Posts';

class App extends React.Component {

  render() {

    return (

      <div className="App">

        <Posts />

      </div>

    );

  }

}

export default App;

