**Objectives**

* Explain the need and Benefits of component life cycle
* Identify various life cycle hook methods
* List the sequence of steps in rendering a component

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

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

## **Prerequisites**

The following is required to complete this hands-on lab:

* Node.js
* NPM
* Visual Studio Code

## **Notes**

Estimated time to complete this lab: **60 minutes.**

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.

Input:

(App.js):

import React from "react";

import Posts from "./Posts";

function App() {

return (

<div>

<Posts />

</div>

);

}

export default App;

Output:









