Frontend Assignment, FTL

A modal based User List using React

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Introduction:

This is a ReactJS based single page application capable of parsing JSON data and displaying it in the form of a list. This list displays the list of users on record. An user can now view the activity details of the users on record as a form of modal. The modal has an animation fade in. The modal has a close button which can be used to close an already opened modal. Alternatively the modal closes if the user clicks anywhere outside the modal window.

Relevant Pre-requisites:

User Pre-Requisites:

Basic browser navigation.

Developer Pre-Requisites:

Proficiency in HTML, CSS, Javascript, React JS is required.

Implemented Strategy:

The ideal solution for this problem is to break the task at hand into as many React components as possible. This application consists of the following components:

- 1. App.js
- 2. Users.js
- 3. UserItem.is
- 4. Activity.js

All of these above components are implemented as a class based component. Functional components might also be used for Users.js and UserItem.js. However, Activity.js should be class based as it uses componentDidMount() lifecycle hook. It can be made into a functional component by using react hooks.

The data from the JSON is parsed and stored as a state in the App.js component. This state is passed to the User.js component as a prop. Since this prop is an array of objects, we iterate over each array element and pass the corresponding object as a prop to UserItem.js component. There we display the relevant information, and the user activity is passed further as a prop to Activity.js component.

Modal is displayed from the UserItem .js component. The main event handling associated with button clicks of the modal are implemented within Activity.js component. The styling and animation corresponding to this modal is defined in the App.css style sheet which is the only parent CSS file in this implementation.

Conclusion:

The app is concrete in the sense that it is production ready. This short project has great potential to become a full fledged frontend application.