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| **MODULE: 7 React – Applying Redux** |
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**• What is Redux?**

React is a free and open-source front-end JavaScript library for building user interfaces based on components.

Key features of React.js include:-

1. **Component-Based Architecture**
2. **Virtual DOM (Document Object Model)**
3. **JSX (JavaScript XML)**
4. **One-Way Data Binding**
5. **Declarative**
6. **React Hooks**

**• What is Redux Thunk used for?**

Redux Thunk middleware allows you to write action creators that return a function instead of an action. The thunk can be used to delay the dispatch of an action, or to dispatch only if a certain condition is met. The inner function receives the store methods dispatch and getState as parameters.

**• What is Pure Component? When to use Pure Component over Component?**

A React component is considered pure if it renders the same output for the same state and props. For this type of class component, React provides the PureComponent base class. Class components that extend the React. PureComponent class are treated as pure components.

**• What is the second argument that can optionally be passed tosetState and what is its purpose?**

 A callback function which gets called immediately after the setState is completed and the components get re-rendered.