

MODULE:13 React-Applying Redux

- **What is Redux?**

Answer: Redux is a JavaScript library that helps manage and update the state of an application's data. Redux uses events called “actions” to update the state, with rules that ensure the state can only be updated in a predictable way.

- **What is Redux Thunk used for?**

Answer: Redux Thunk is a middleware and the middleware functions run between dispatching an action and reducer. It is used for logging, routing, and asynchronous action. Thunk allows us to run asynchronous code before dispatching the action function.

- **What is a Pure Component? When to use Pure Component over Component?**

Answer: React Pure components are the component that doesn't re-renders when states and props value are updated with the same values. So, these components do not cause re-rendering to improve performance. When we don't need our child component to re-rendered when its parent component re-renders we use the Pure component.

- **What is the second argument that can optionally be passed to setState and what is its purpose ?**

Answer: The second argument that can optionally be passed to `setState` is callback function which gets called immediately after the `setState` is completed and the components get re-rendered. If we want our program to perform certain actions on an updated state after setting the `setState` value for that we must have to specify those actions in the callback function or we can say function as a second argument to the `setState`. If we don't do that, actions will be performed on the previous value of the state because of the asynchronous nature of `setState`.