State Management (Redux, Redux-Toolkit or Recoil)

(1) What is Redux, and why is it used in React applications? Explain the core concepts of actions, reducers, and the store.

(ans) redux operates by maintaining a centralized state tree, offering a method to manage the application state and address state changes. Actions are dispatched to the store, initiating reducers to define how the state should change.

1. How does Recoil simplify state management in React compared to Redux?

(ans) it offers a different approach compared to redux by leveraging atoms and selectors to manage state efficiently. Recoil is designed with react’s concurrent mode in mind and aims to make managing state in react easier and more initiative, especially when dealing with complex applications.