

Module-14) Capstone Project Redux – Theory Questions & Answers

Q1. What is Redux?

Redux is a state management library used to manage application data in a centralized and predictable way.

Q2. Why is Redux needed? (Complexity of Managing State)

In large applications, managing state using props becomes difficult. Redux helps by storing all data in one central store.

Q3. Explain Redux Flow.

Redux follows a one-way data flow: UI → Action → Reducer → Store → UI.

Q4. What is a Store in Redux?

The store is a central place that holds the complete state of the application.

Q5. What is a Reducer?

A reducer is a pure function that takes the current state and an action and returns a new updated state.

Q6. What are Actions in Redux?

Actions are JavaScript objects that describe what type of change should occur in the state.

Q7. What is Dispatching an Action?

Dispatching means sending an action from the UI to the Redux store to update the state.

Q8. How is data passed and retrieved in Redux?

Data is passed using actions and retrieved from the store using useSelector.

Q9. What is combineReducers?

combineReducers is used to combine multiple reducers into a single root reducer.

Q10. What is Middleware in Redux?

Middleware allows handling extra tasks like logging and asynchronous API calls.

Q11. What is Redux DevTools?

Redux DevTools is a browser extension used to inspect actions and state changes in Redux.