

Suggested ways to evaluate understanding of Redux :

1. Ask students to create a quick diagram showing architecture of Redux with brief explanations (example expected diagram is attached)
2. Ask students to make a copy of an already made react app. And implement Redux. This gives the opportunity to practice and also for mentors to evaluate understanding of students
3. Some frequently asked interview questions on Redux based on my research are attached that could be used to practice and evaluate understanding

Q1. What is store in redux?

Answer:

The store holds the application state and supplies the helper methods for accessing the state.

register listeners and dispatch actions. There is only one Store while using Redux. The store is configured via the createStorefunction. The single store represents the entire state. Reducers return a state via action

Q2. Explain Reducers in Redux?

Answer:

The state of a store is updated by means of reducer functions. A stable collection of a reducers form a store and each of the stores maintains a separate state associated for itself

Q3. Explain action's in Redux?

Answer:

Actions in Redux are functions which return an action object. The action-type and the action data are packed in the action object. which also allows a donor to be added to the system. Actions send data between the store and the application. All information retrieved by the store are produced by the actions.

Q4. What is the typical flow of data in a React + Redux app?

Answer:

Call-back from UI component dispatches an action with a payload, these dispatched actions are intercepted and received by the reducers. this interception will generate a new application state. from here the actions will be propagated down through a hierarchy of components from Redux store. The below diagram depicts the entity structure of a redux+react setup.