

Redux Interview Questions and Answers

Redux Interview Questions and Answers: Redux is an open-source JavaScript library for managing application state. it was created by Dan Abramov and Andrew Clark and written in JavaScript.

Q:- What is Redux?

Redux is an open-source JavaScript library for managing application state.

It is most commonly used with libraries such as React or Angular for building user interfaces.

While making communication between two components that don't have a parent-child relationship, this is the case where Redux comes in handy.

1. Redux offers a solution of storing all your application state in one place, called a "store".
2. Components then "dispatch" state changes to the store, not directly to other components.
3. The components that need to be aware of state changes can "subscribe" to the store.
4. The store can be thought of as a "middleman" for all state changes in the application.
5. With Redux involved, components don't communicate directly with each other, but rather all state changes must go through the single source of truth, the store.

Redux provides an easy way to centralize the state of your application

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Q:- What are the redux basic principles?

1. Single source of truth:

The state of your whole application is stored in an object tree within a single **store**.

2. State is read-only:

The only way to change the state is to emit an **action**, an object describing what happened.

3. Changes are made with pure functions:

To specify how the state tree is transformed by actions, you write pure **reducers**.

Q:- What is the difference between Flux and Redux?

Flux is a Design Pattern and Redux is a library

REDUX	FLUX
Single Store	Multiple Store
Redux is a container for JavaScript apps.	Flux is a container for application state and logic that are registered to callbacks.
It offers interesting features such as writing applications, testing in different environments such as a server, client, etc.	It is an observer pattern that is modified to fit React.
In redux, actions can be functions or promises.	It is a fancy name given to observer pattern and Facebook has developed tools to aid the implementation of these patterns.
Redux is the first choice for web developers because it offers live code editing.	Flux supports actions that are simple JavaScript objects.

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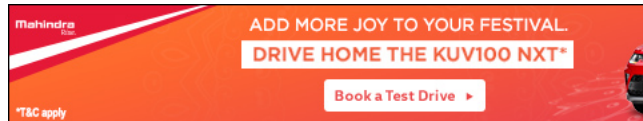
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