1. Which is an advantage of using Hooks in a React application?

1 / 1 point

○ Hooks can only be called inside React function components

○ Code used to write Hooks is complicated

● You can handle events and logics in functional components without using classes

○ Hooks enable you to write a functional component without state

✓ **Correct**

Correct. Using Hooks, you can handle events and logics in functional components without using classes.

2.

1 / 1 point

Which standard Hook is used to manage Redux state changes?

○ useState

○ useEffect

○ useContext

● useReducer

✓ **Correct**

Correct! useReducer manages Redux state changes.

3. What is a characteristic of an uncontrolled input?

1 / 1 point

○ A parent component controls the changes

○ Functions govern passing of data

● Allows the browser to handle most of the form elements

○ Props take current value and notify changes

✓ **Correct**
Correct. React puts the value on the page, and the browser keeps track of the rest.

4. What helps developers in developing a React application using Redux?

1 / 1 point

● Redux enhances the state prediction factor

○ In Redux, individual components handle their own state

○ Redux reloads the whole page when state changes

○ Redux helps in creating user interface elements

✓ **Correct**
Correct! When used in applications, Redux enhances the state prediction factor that helps developers in developing the application.

5. In which application scenarios is Redux used?

1 / 1 point

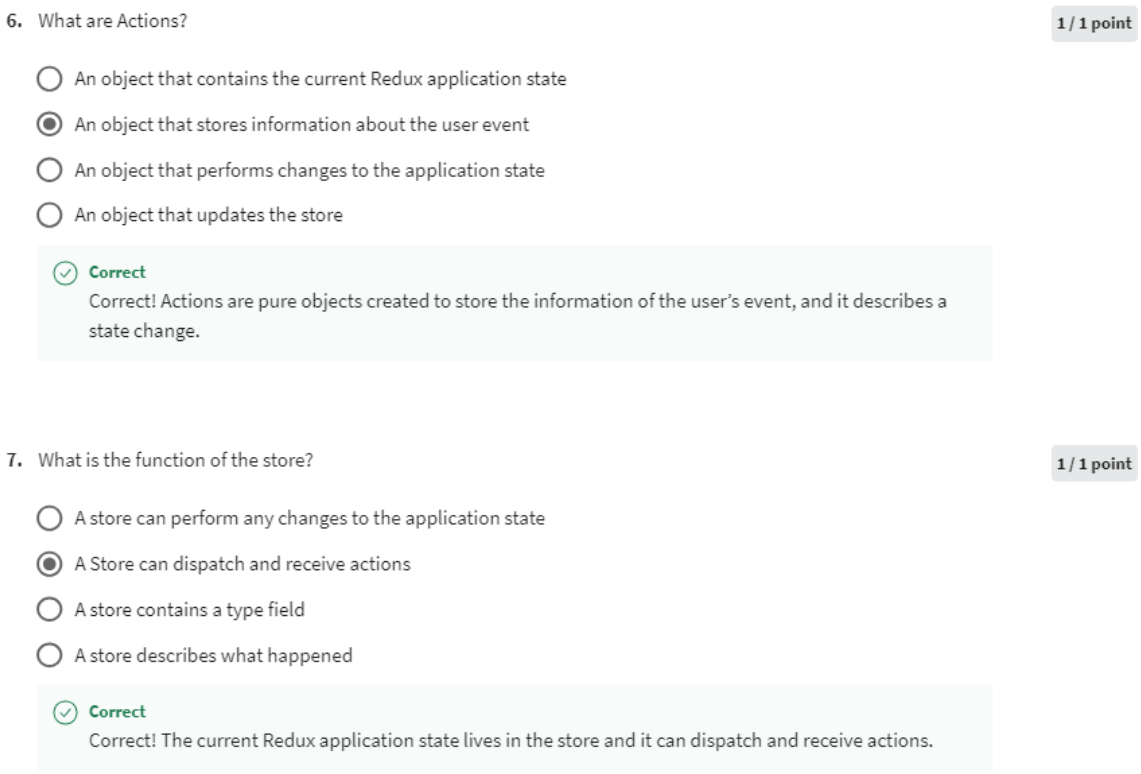
○ In applications with single state mapping to a single container component

○ In an application where all props associated to a component are utilized

● Big application where state needs to be managed

○ Only in local applications to manage state of components

✓ **Correct**
Correct! Redux can be used wherever there's state to be managed.



6. What are Actions?

○ An object that contains the current Redux application state

● An object that stores information about the user event

○ An object that performs changes to the application state

○ An object that updates the store

✓ **Correct**
Correct! Actions are pure objects created to store the information of the user's event, and it describes a state change.

7. What is the function of the store?

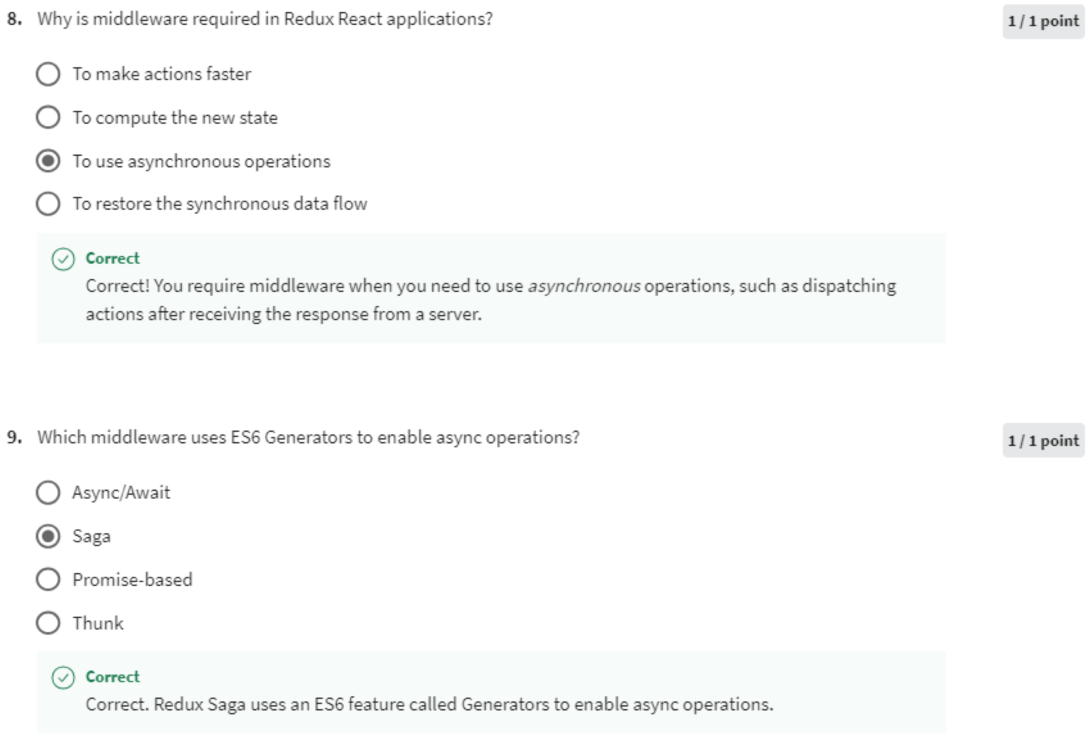
○ A store can perform any changes to the application state

● A Store can dispatch and receive actions

○ A store contains a type field

○ A store describes what happened

✓ **Correct**
Correct! The current Redux application state lives in the store and it can dispatch and receive actions.



8. Why is middleware required in Redux React applications?

○ To make actions faster

○ To compute the new state

● To use asynchronous operations

○ To restore the synchronous data flow

✓ **Correct**
Correct! You require middleware when you need to use *asynchronous* operations, such as dispatching actions after receiving the response from a server.

9. Which middleware uses ES6 Generators to enable async operations?

○ Async/Await

● Saga

○ Promise-based

○ Thunk

✓ **Correct**
Correct. Redux Saga uses an ES6 feature called Generators to enable async operations.

10. Which element in the Redux data flow generates the modified state based on the dispatched action?

1 / 1 point

● Reducer

○ UI

○ Store

○ Action creator

✓ **Correct**

Correct! It is the reducer’s task to determine if it needs to update the state based on the dispatched action, and it generates the new state.