

Graded Quiz due Jun 11, 2024 12:41 IST   Completed

Question 1

1/1 point (graded)

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

- ☐ Hooks can only be called inside React function components
- ☐ Hooks enable you to write a functional component without state
- ☒ You can handle events and logics in functional components without using classes
- ☐ Code used to write Hooks is complicated



Answer

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

Submit

Try again (1 attempt remaining) ⓘ

Question 2

1/1 point (graded)

Which standard Hook is used to manage Redux state changes?

- ☒ useReducer
- ☐ useEffect
- ☐ useContext
- ☐ useState



Answer

Correct: useReducer manages Redux state changes.

Submit

Try again (1 attempt remaining) ⓘ

Question 3

1/1 point (graded)

What is a characteristic of an uncontrolled input?

- ☐ Props take current value and notify changes
- ☐ Functions govern passing of data
- ☐ A parent component controls the changes
- ☒ Allows the browser to handle most of the form elements



Answer

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

Submit

Try again (1 attempt remaining) ⓘ

Question 4

1/1 point (graded)

What helps developers in developing a React application using Redux?

- ☐ Redux reloads the whole page when state changes
- ☐ Redux helps in creating user interface elements
- ☐ In Redux, individual components handle their own state
- ☒ Redux enhances the state prediction factor



Answer

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

Submit

You have used 2 of 2 attempts

Question 5

1/1 point (graded)

In which application scenarios is Redux used?

- ☐ In an application where all props associated to a component are utilized
- ☒ Big application where state needs to be managed
- ☐ In applications with single state mapping to a single container component
- ☐ Only in local applications to manage state of components



Answer

Correct: Redux can be used wherever there's state to be managed.

Submit

Try again (1 attempt remaining) ⓘ

Question 6

0/1 point (graded)

What are Actions?

- ☒ An object that updates the store
- ☐ An object that stores information about the user event

- ☐ An object that performs changes to the application state
- ☐ An object that contains the current Redux application state



**Answer**  
Incorrect: Review the Essential Concepts of Redux.

Submit

 You have used 2 of 2 attempts

Question 7

1/1 point (graded)  
What is the function of the store?

- ☐ A store contains a type field
- ☐ A store describes what happened
- ☒ A Store can dispatch and receive actions
- ☐ A store can perform any changes to the application state



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

Submit

 Try again (1 attempt remaining) ⓘ

Question 8

1/1 point (graded)  
Why is middleware required in Redux React applications?

- ☐ To restore the synchronous data flow
- ☐ To make actions faster
- ☐ To compute the new state
- ☒ To use asynchronous operations



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

Submit

 Try again (1 attempt remaining) ⓘ

Question 9

1/1 point (graded)  
Which middleware uses ES6 Generators to enable async operations?

☐ Async/Await

☐ Thunk

☐ Promise-based

☒ Saga

✓

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

Submit

Try again (1 attempt remaining) ⓘ

Question 10

1/1 point (graded)  
Which element in the Redux data flow generates the modified state based on the dispatched action?

☐ UI

☒ Reducer

☐ Store

☐ Action creator

✓

**Answer**  
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.

Submit

Try again (1 attempt remaining) ⓘ

What did you learn?

Help future students by selecting the skills or subjects you learned from this unit.

Operations

User Interface

Forecasting

Dataflow

React.js

React Redux

ECMAScript 2015

Middleware

Async Await Pattern

☐ None of these subjects were covered

Submit

