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Knowledge check: Managing state

Practice Quiz • 15 min • 5 total points

Congratulations! You passed!

Grade received 100%To pass 80% or higher

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1. Not all ‘events’ in an Android app happen due to user interaction. 1 / 1 point

● True

○ False

Correct

That's right! Most of the events happen due to user interaction within the app, but there are some events which occur without user intervention such as network connection lost, battery charge drop and download completion.

2. What does 'Recomposition' in Jetpack Compose allow developers to do? 1 / 1 point

○ Reuse existing code

○ Write new code without editing existing code.

● Refresh the UI whenever the data changes.

Correct

That's correct! In Compose the recreation of an app UI may happen frequently and is called 'Recomposition'

3. In Jetpack Compose what does the mutableStateOf function create? 1 / 1 point

○ A fixed state of data

○ An immutable state of code

● State that can be changed over time.

Correct

That’s correct. The mutableStateOf API helps to preserve the state across recompositions and the activity lifecycle.

4. A composable holding and modifying its state internally is called a ____________. 1 / 1 point

○ Stateful Recomposition

● Stateful composable

○ Stateless composable

Correct

That’s correct. Stateful composable is a way of building user interfaces in Android that allows developers to define the state of their views and components.

5. What is the main purpose of State Hoisting in Android UI Development? 1 / 1 point

○ To aid in debugging an application

● To store and restore UI states during configuration changes

○ To improve the performance of an Android application

Correct

That’s correct. State hoisting is a concept in Android UI development that allows developers to save and restore the state of their UI components.