

ANDROID BASICS WITH COMPOSE

Unit 6: Data persistence

Learn how to store data locally on the device and keep your apps working through any network disruptions for a smooth and consistent user experience.



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PATHWAY 1



Introduction to SQL

Learn how to use SQL to read and manipulate data in a relational database.

PATHWAY 2



Use Room for data persistence

Use the Room library to easily create and use relational databases in an Android app.

PATHWAY 3



Store and access data using keys with DataStore

Learn how to store simple, key-value pair data with Preferences DataStore in an Android app.

ANDROID BASICS WITH COMPOSE

Unit 7: WorkManager

Use Android Jetpack's WorkManager API to schedule necessary background work, such as data backups or fresh content downloads, that keeps running even if the app exits or the device restarts.



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PATHWAY 1



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Schedule tasks with WorkManager

Learn when and how to use WorkManager, an API that handles background work that needs to run regardless of whether the application process is still running.

ANDROID BASICS WITH COMPOSE

Unit 8: Compose with Views

Learn how to use Compose and the older UI toolkit based on Views side-by-side in the same app. In this unit you will learn interoperability APIs and best practices to add a new feature to an existing app in Views, use an existing library that uses Views, or use a UI component that is not yet available in Compose.



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PATHWAY 1



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Android Views and Compose in Views

PATHWAY 2



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Views in Compose