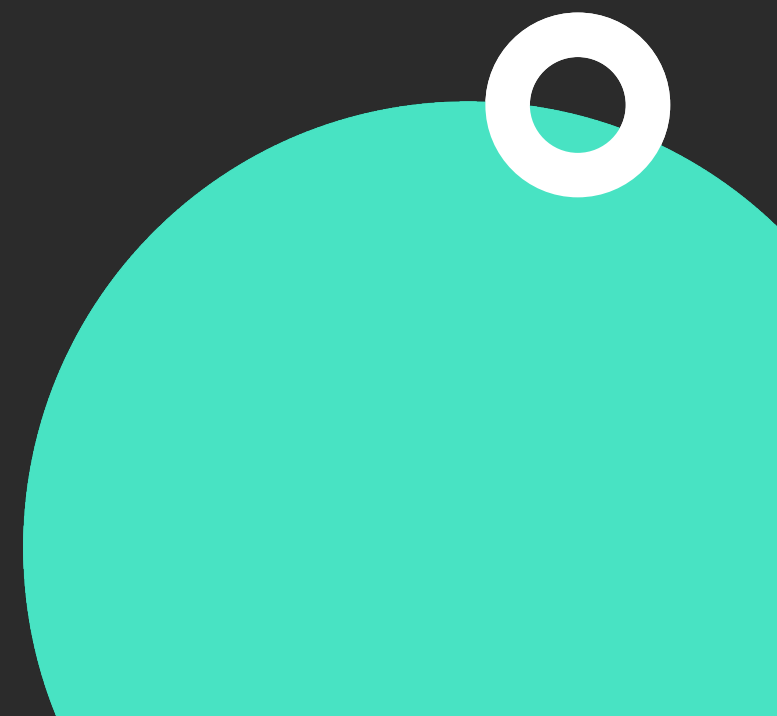# Android Animations and Transitions with Jetpack Compose
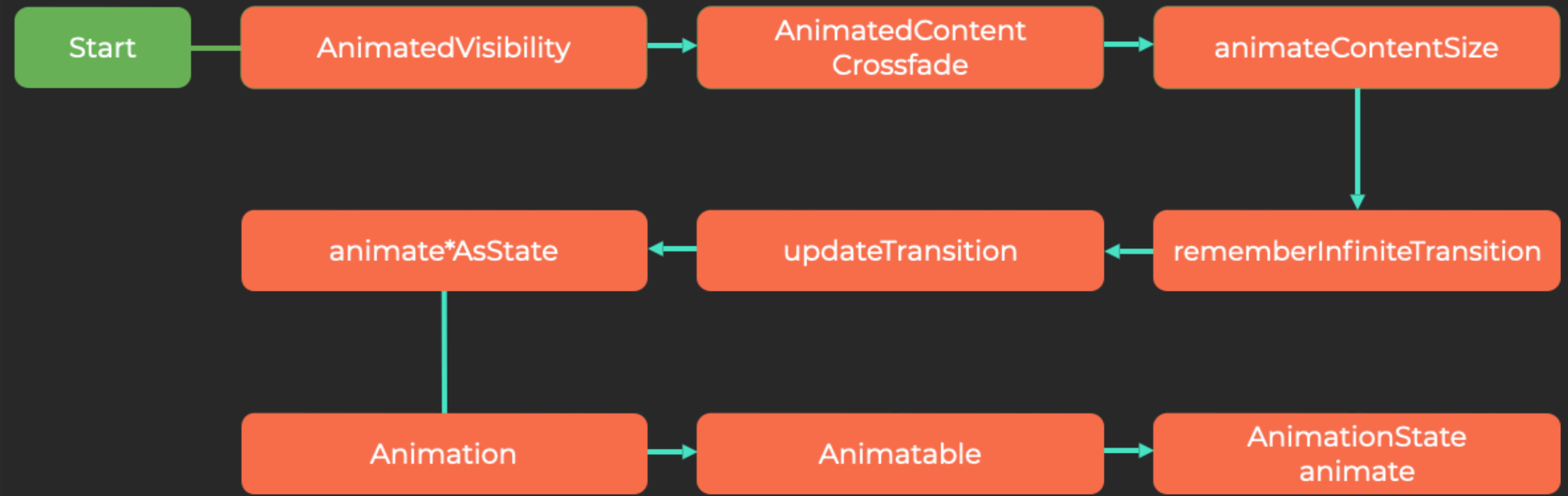
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Course Overview

- Animations Pathway :
  - The path we follow in this course for studying animations
- Customize animations
- Apply animations knowledge in a real-world app

Section Overview

• Course Requirements

• Jetpack Compose Animations and Transitions Overview

• Sample projects demo

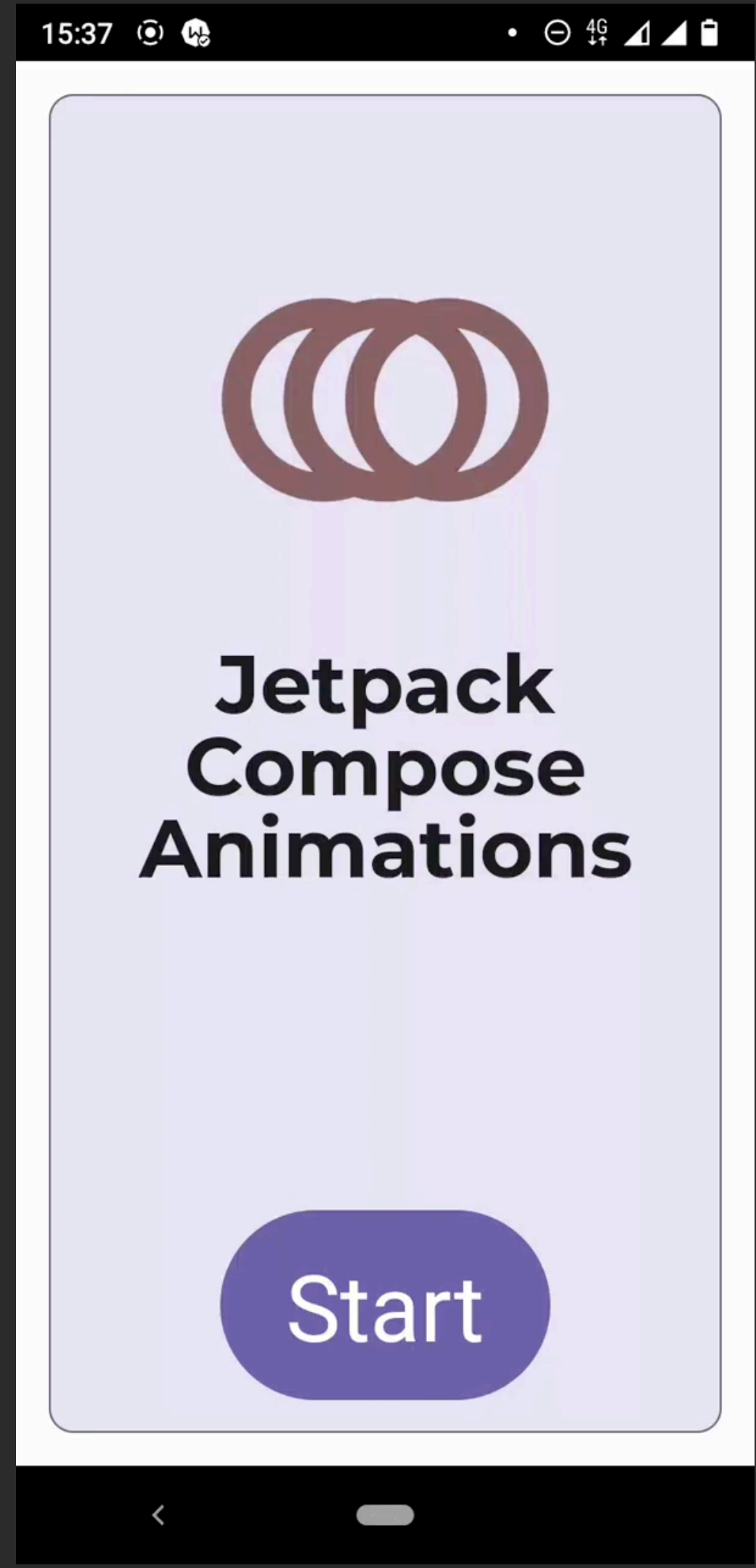• Clone course repository and import starter project

Course Requirements

- Average Kotlin knowledge

- Android app development basics

- Comfortable using Android Studio and device emulator

- Composables and state management in Jetpack Compose

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Sample App : Compose Motions

- Compose Motions App Overview
  - Goal : showcase different animation APIs in Jetpack Compose
  - Features :
    - Shows when to use each animation API
    - Has basic implementation of each animation type

Sample App : Voices

- Voices App Overview
  - Goal : A complete voice-recording app to which we'll add Compose animations
  - Features:
    - Built with Android Architecture Components (Room, ViewModel, Hilt, DataStore, and Jetpack Compose)
    - Navigation with Bottom navigation + Jetpack Navigation Component
    - Supports recording voice in different file formats

Project Repository

- Explore the starter project
  - Clone project repo: https://github.com/droidcon-academy/android-animations-transitions-compose-course-materials
  - Import starter projects in Android Studio
  - Project walk-through
    - Compose Motions App
    - Voices App

Section Summary

- In this section you learned:

  - ✓ Requirements of this course

  - ✓ An overview of Jetpack Compose animation APIs

  - ✓ What apps we will build in this course

  - ✓ How to clone course repository and import starter project

Animating Layout Change : High-Level Animations

Up Next