Android Transitions

Overview

- Transition APIs

- Introduced in 4.4 KitKat

- Expanded to Activities and Fragments in 5.0

What is a transition

- **Captures** property value(s) and **animates** them
  - Start
  - End
- Triggered by a scene change (usually a change of layouts)
- Captures start and end values
- Builder pattern for composition
- Operates on all views in hierarchy by default

Vocabulary

- Enter, Exit, Return

- Shared elements

  - Elements shared between screens, defined by you

- Content elements

  - All **non-shared** elements

- Listeners

  - Coordinate custom behavior

Steps to keep in mind

- Set content animations

    - Enter, Exit, Shared elements

- Set shared element animations

    - Names must be unique

- Provide basic fallback animations

Example code