

Using Animation



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Overview



- **Touch Feedback – Ripple Animation**
- **Circular Reveal Effect**
- **Activity Transitions**
 - Explode
 - Slide
 - Fade
 - Shared Element Transition

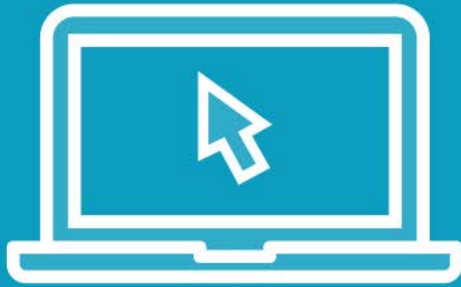


Ripple Animation



- **By default Buttons show Ripple Effect**
- **For other Views –**
 - We need to explicitly enable Ripple Effect
- **Based on customization –**
 - Default
 - Customized
- **Based on border –**
 - Bounded Ripple
 - Borderless Ripple

Demo



Ripple Animation based on Customization

- Default Ripple Effect
- Custom Ripple Effect

Ripple Animation based on Border

- Bounded Ripple
- Borderless Ripple



Default Ripple Effect

Two types : -

1. **Bounded Ripple** – Ripple confined to the View itself.

```
android:drawable="?android:attr/selectableItemBackground"
```

2. **Borderless Ripple** – Ripple that extends beyond the view.

```
android:drawable="?android:attr/selectableItemBackgroundBorderless"
```



Custom Ripple Effect

Two types : -

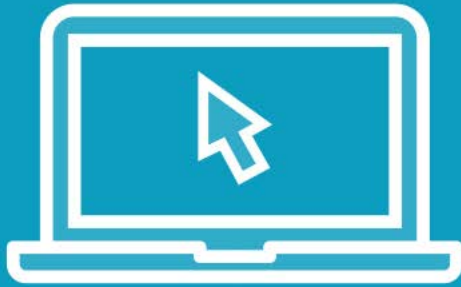
1. **Bounded Ripple** – Ripple confined to the View itself.
2. **Borderless Ripple** – Ripple that extends beyond the view.
 1. **styles.xml** – Under App Theme or Individual Activity Theme

```
<item name="android:colorControlHighlight">#ColorCode</item>
```

2. **res/drawable**
 - Customize individual views
 - Store ripple drawable xml files



Demo



Activity Transitions

Explode

- Java Code
- XML

Slide

- Java Code
- XML

Fade

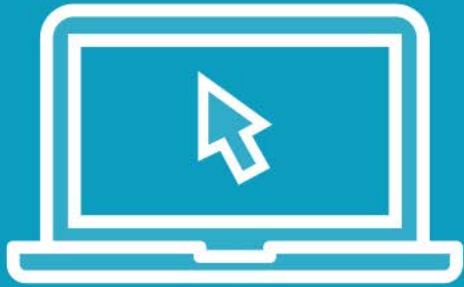
- Java Code
- XML

Shared Element Transition

Circular Reveal Animation



Demo



Activity Transition Overlap



Course Summary



Apply Material Design

Toolbar

Recycler Views and Card Views

Navigation Drawer

Material Design Animation

