



Layout Animations

Upon completion of this module, a student will be able to

- automatically update layout changes
- animate items in a RecyclerView
- animate transitions between activities
- use shared elements between activities



Assignment

- Task
 - Take an existing List-Detail app and add an activity transition animation with a shared element. This is best when it is an image.
- Repo
 - https://github.com/LambdaSchool/Android_Layout_Animations
- Submission
 - Create a pull request on the main project repo and your PM will review it

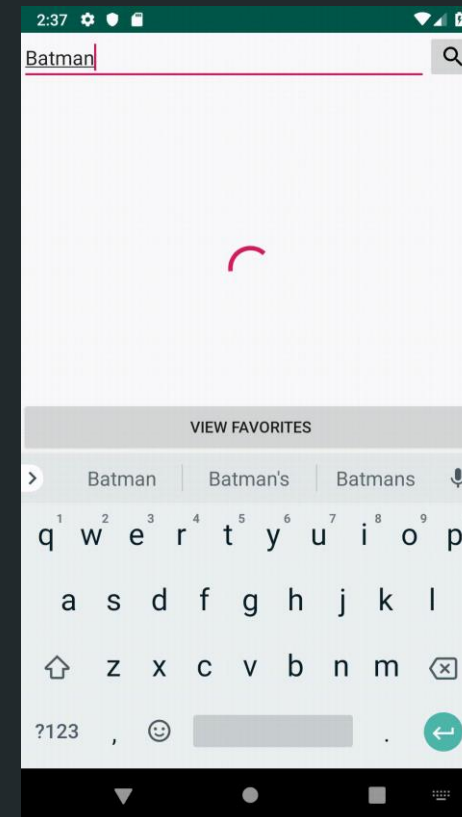




A Student Can
automatically update layout changes

Auto Animate Layout Changes

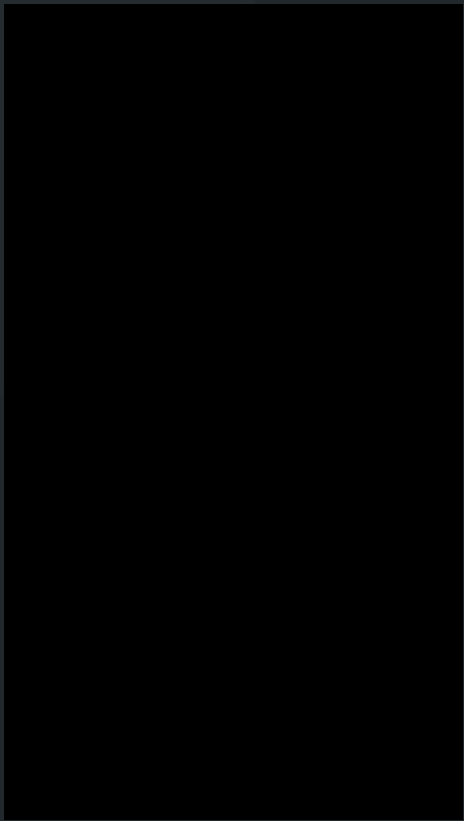
- `android:animateLayoutChanges`
- Animates when the layout changes (items added or removed, size change, etc)





A Student Can animate items in a RecyclerView

Animating Items in RecyclerView



- Animate each element on entry
- `onBindViewHolder`

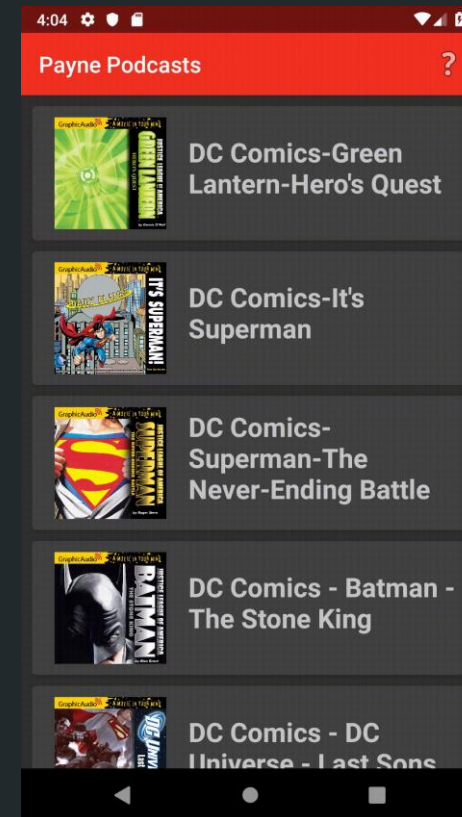




A Student Can
animate transitions between activities

Activity Transitions

- Transitions for activity entrance and exit
- `ActivityOptions.makeSceneTransitionAnimation` passed as bundle

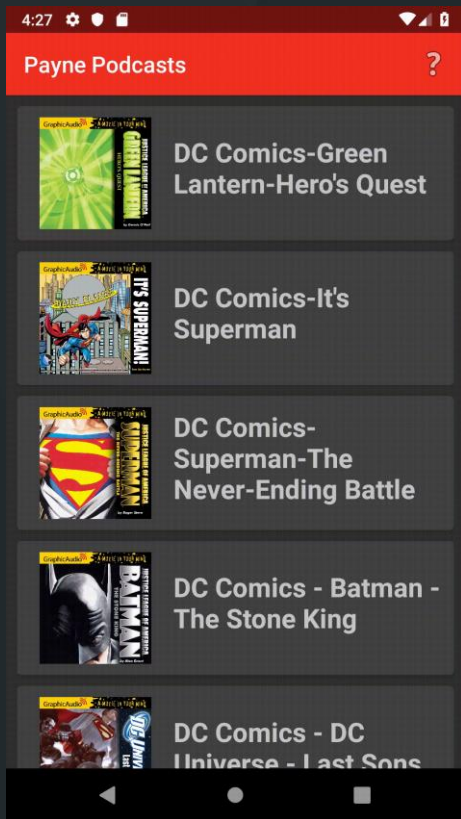




A Student Can

use shared elements between activities

Shared Elements



- transitionName
- ActivityOptions.makeSceneTransitionAnimation(Activity **activity**, View **sharedElement**, String **sharedElementName**)

