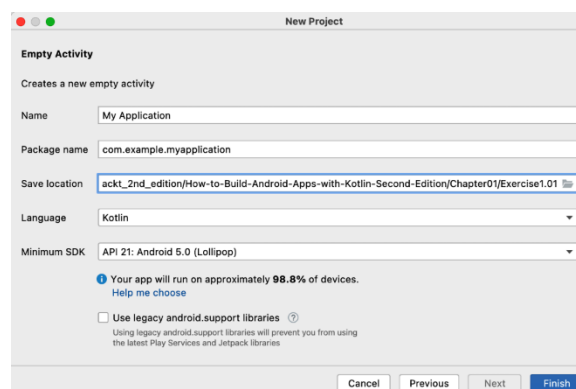
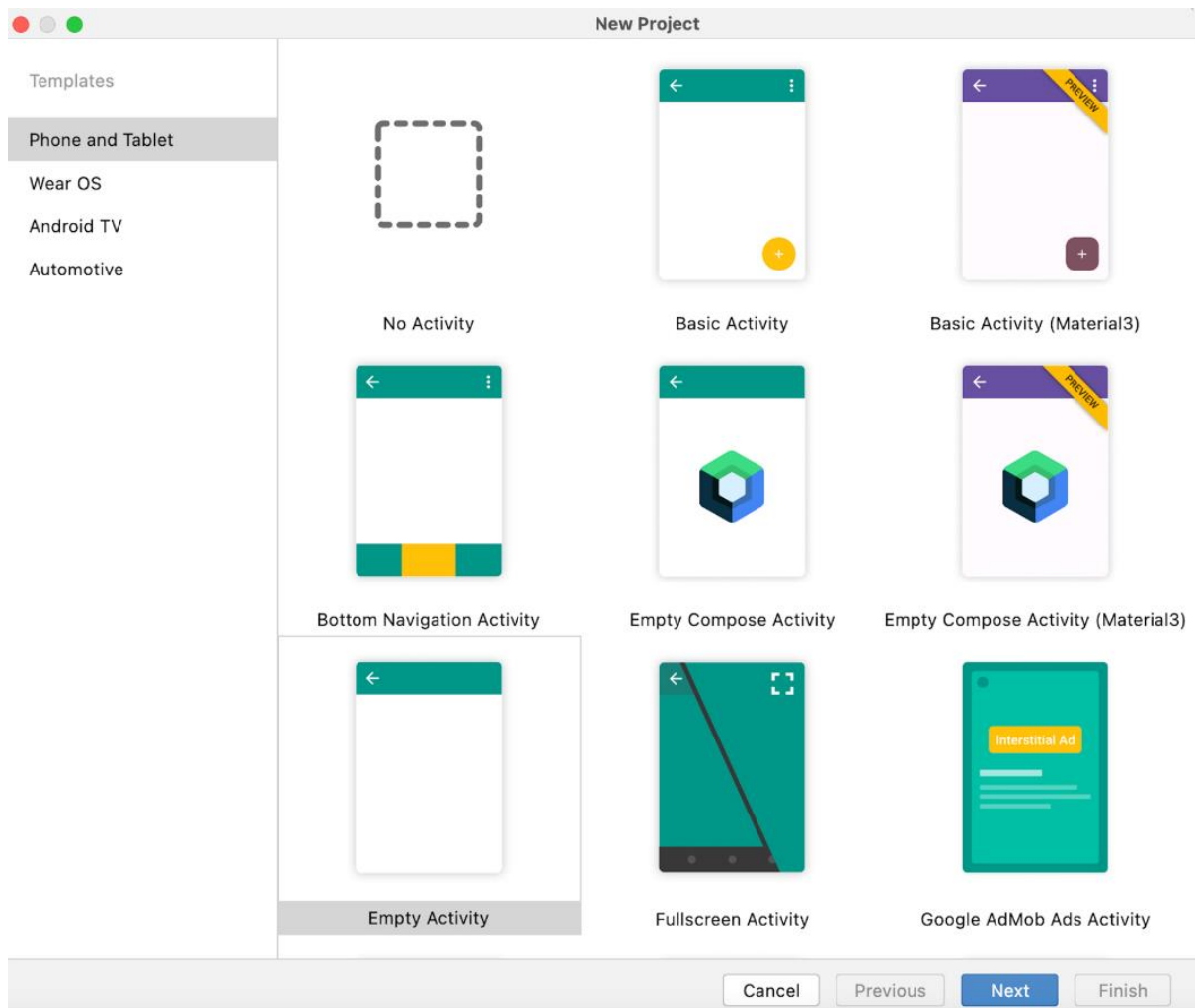
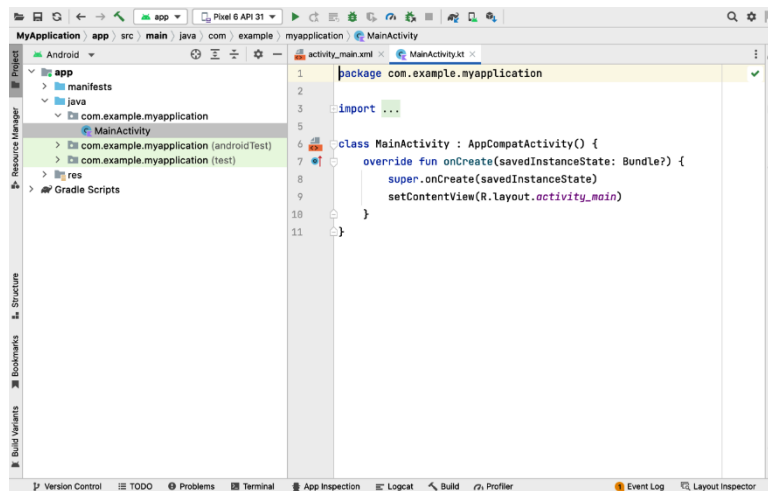


Chapter 01: Creating Your First App





Verify Settings

If you want to review or change any of your installation settings, click Previous.

Current Settings:

Setup Type:
Standard

SDK Folder:
/Users/alexforrester/Library/Android/sdk

Total Download Size:
418 MB

SDK Components to Download:

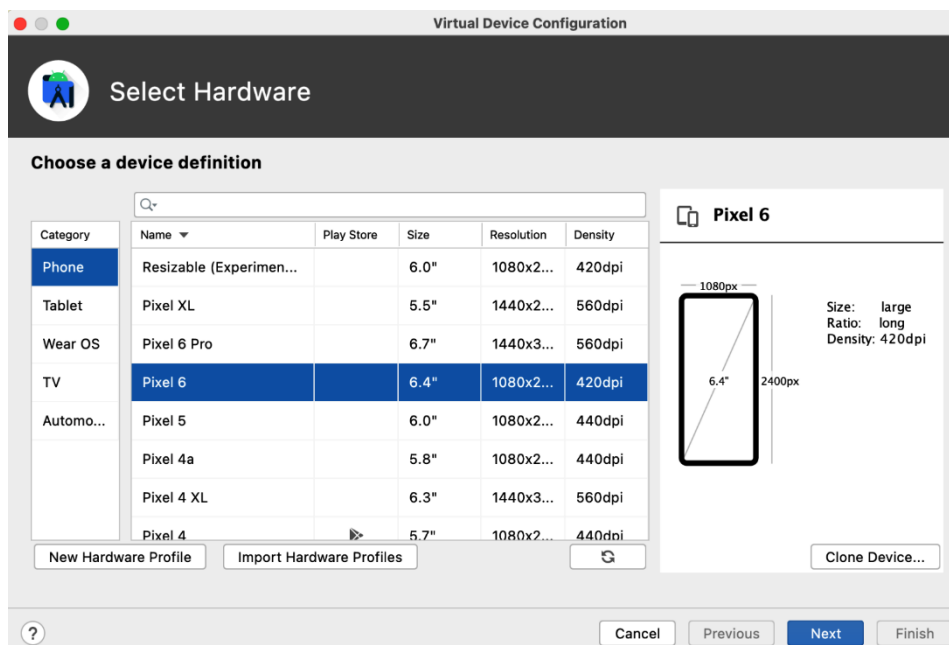
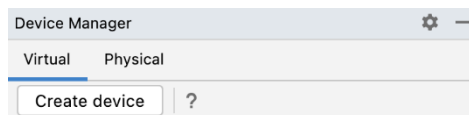
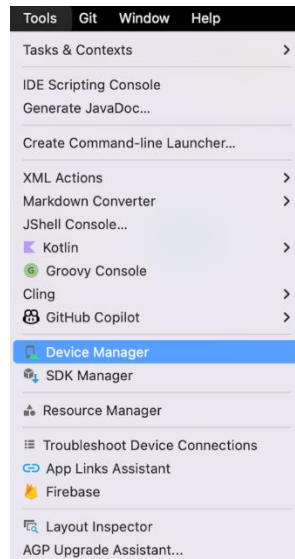
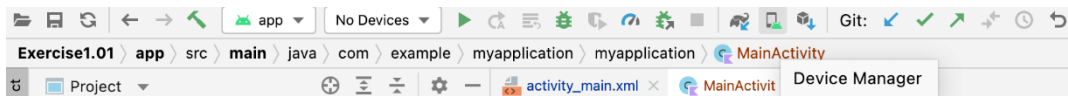
Android Emulator	192 MB
Android SDK Build-Tools 29.0.2	39 MB
Android SDK Platform 29	74.6 MB
Android SDK Platform-Tools	11.8 MB
Android SDK Tools	98.2 MB
Intel x86 Emulator Accelerator (HAXM installer)	619 KB
SDK Patch Applier v4	1.74 MB

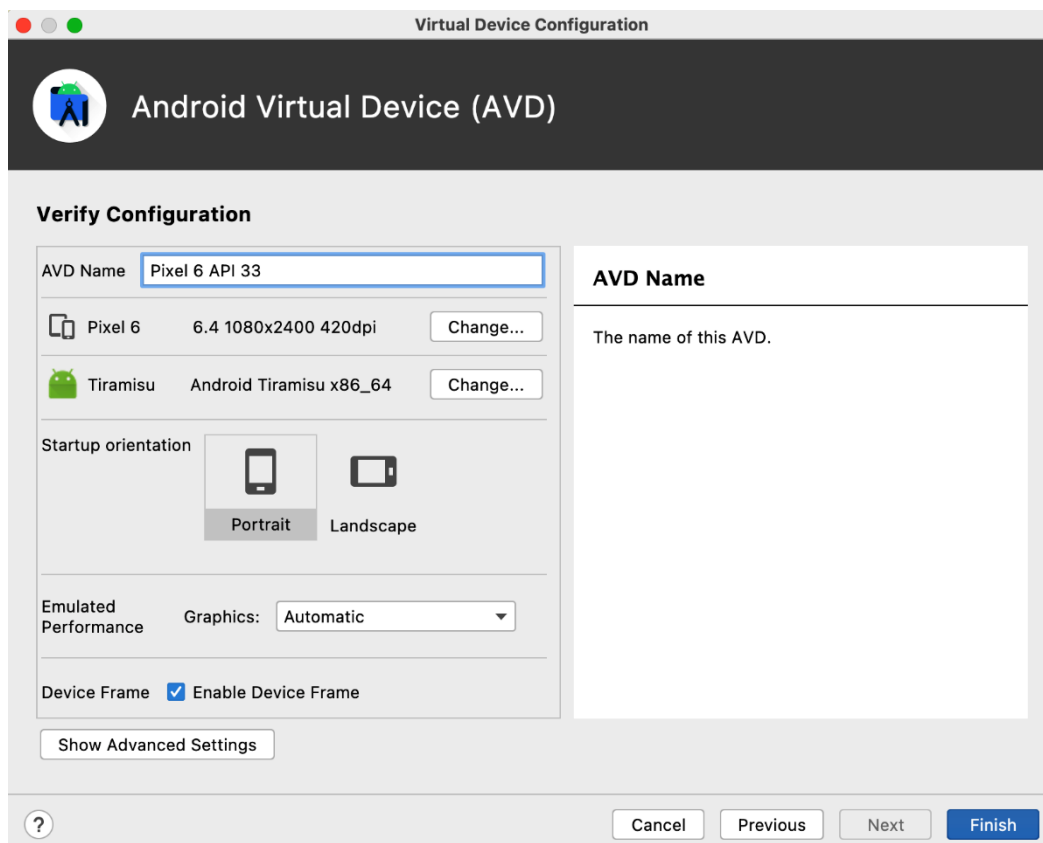
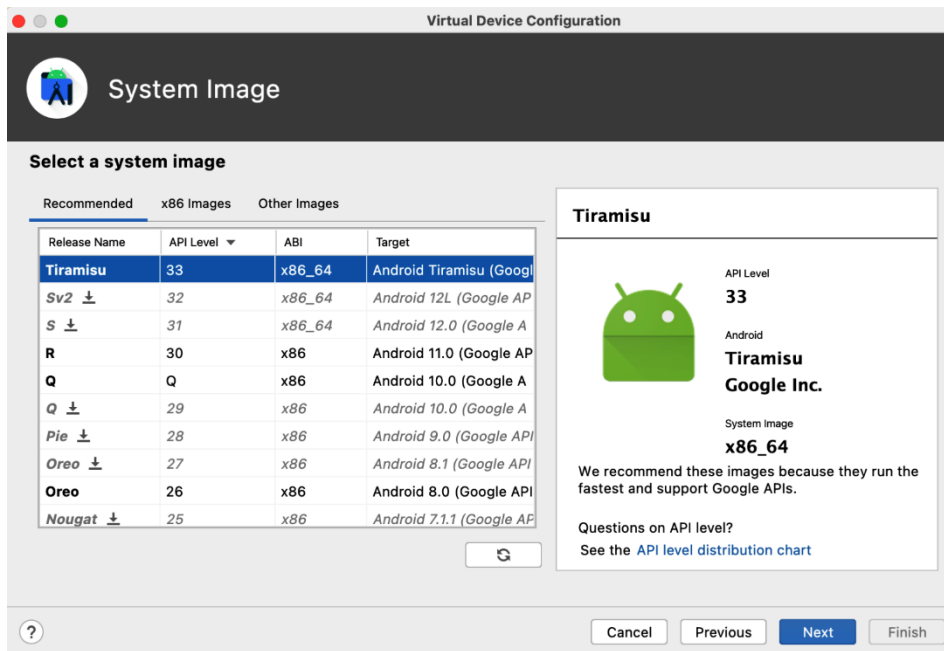
Cancel

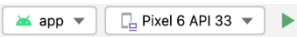
Previous

Next

Finish







3:17



My Application

Hello World!

Project	⌘ 1
Bookmarks	⌘ 2
Find	⌘ 3
Run	⌘ 4
Debug	⌘ 5
Problems	⌘ 6
Structure	⌘ 7
Services	⌘ 8
Git	⌘ 9
Emulator	
Profiler	
App Inspection	
Build	
Build Variants	
Device File Explorer	
Device Manager	
Event Log	
GitHub Copilot	
Gradle	
Hierarchy	
Layout Inspector	
Logcat	
Pull Requests	
Resource Manager	
Terminal	⌘ F12
TODO	

4:24



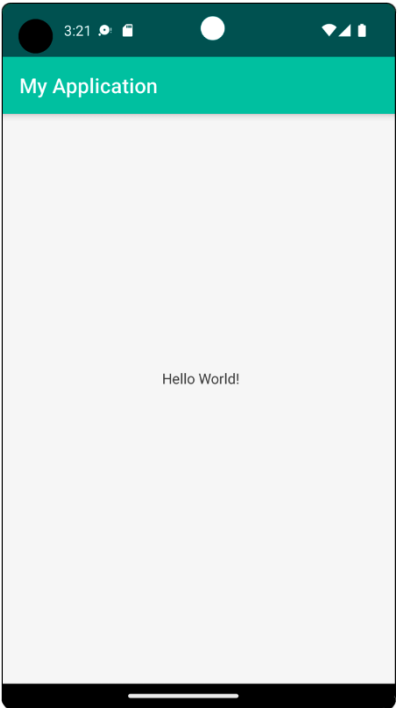
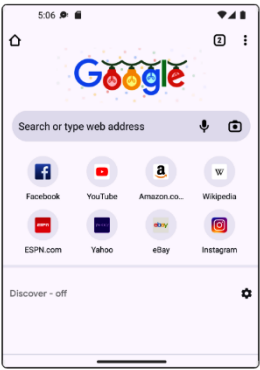
My Application

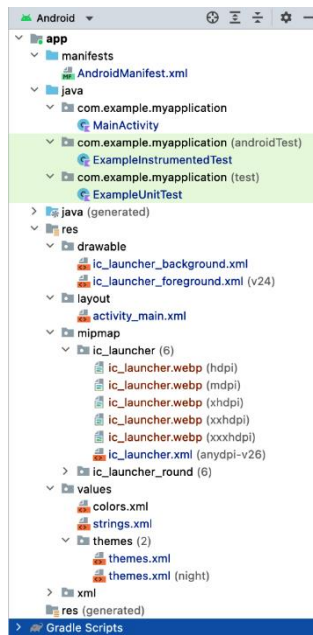







Webpage not available

The webpage at <https://www.google.com/> could not be loaded because:

net::ERR_CACHE_MISS

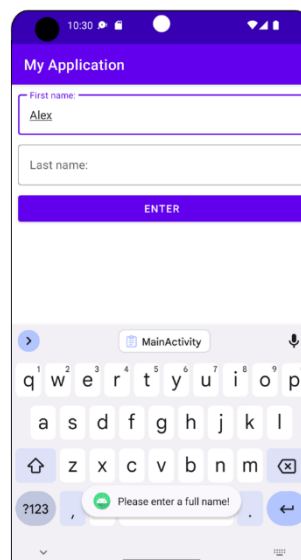
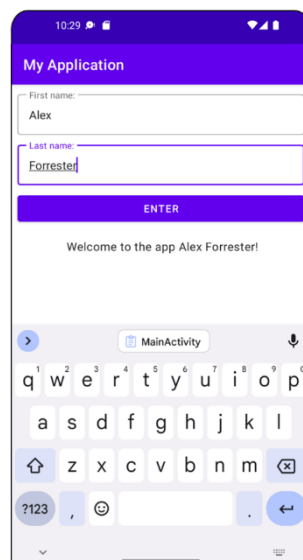
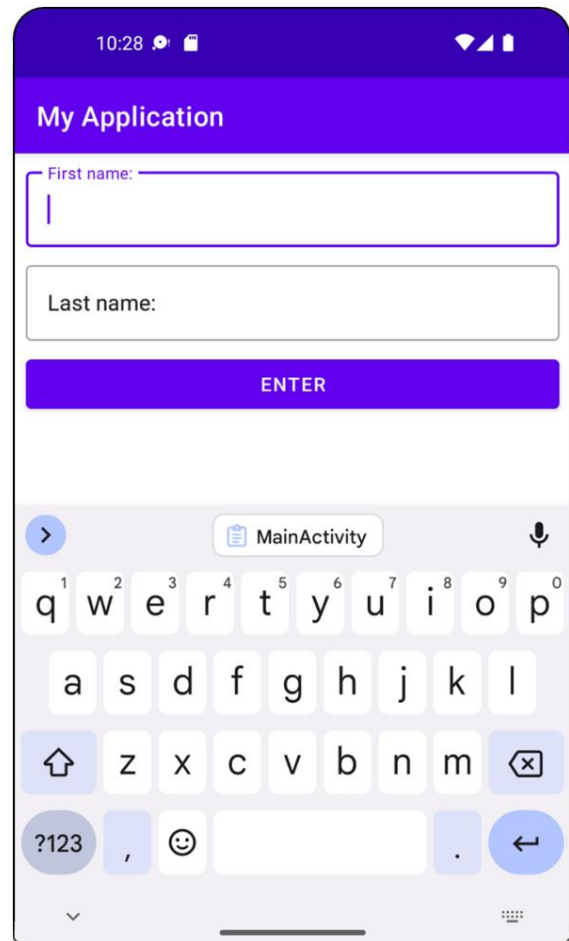
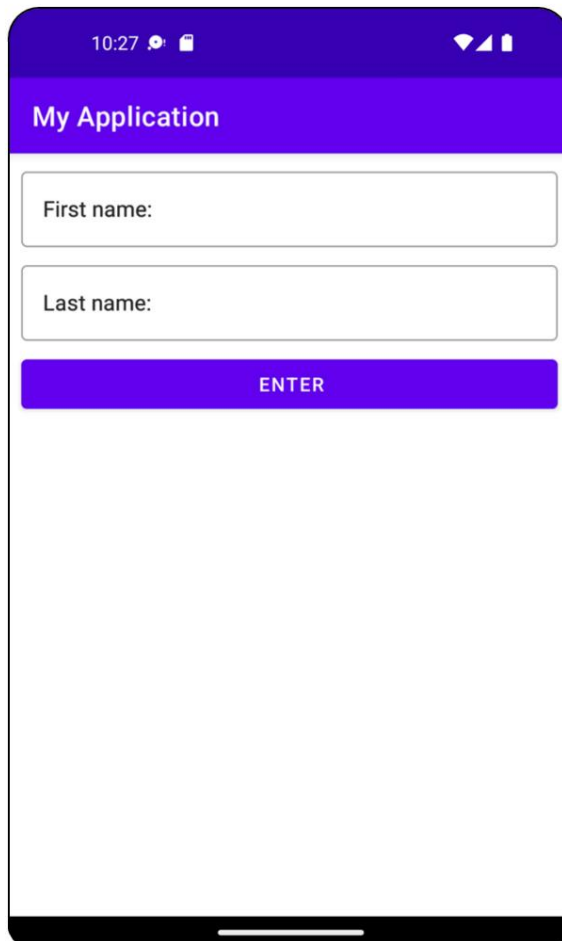




mdpe	hdpi	xhdpi	xxhdpi	xxxhdpi
				

First name:

First name:





11:37



My Application

Create an RGB Color

Add two hexadecimal characters between 0-9, A-F or a-f without the '#' for each channel

Red Channel

ff

Green Channel

44

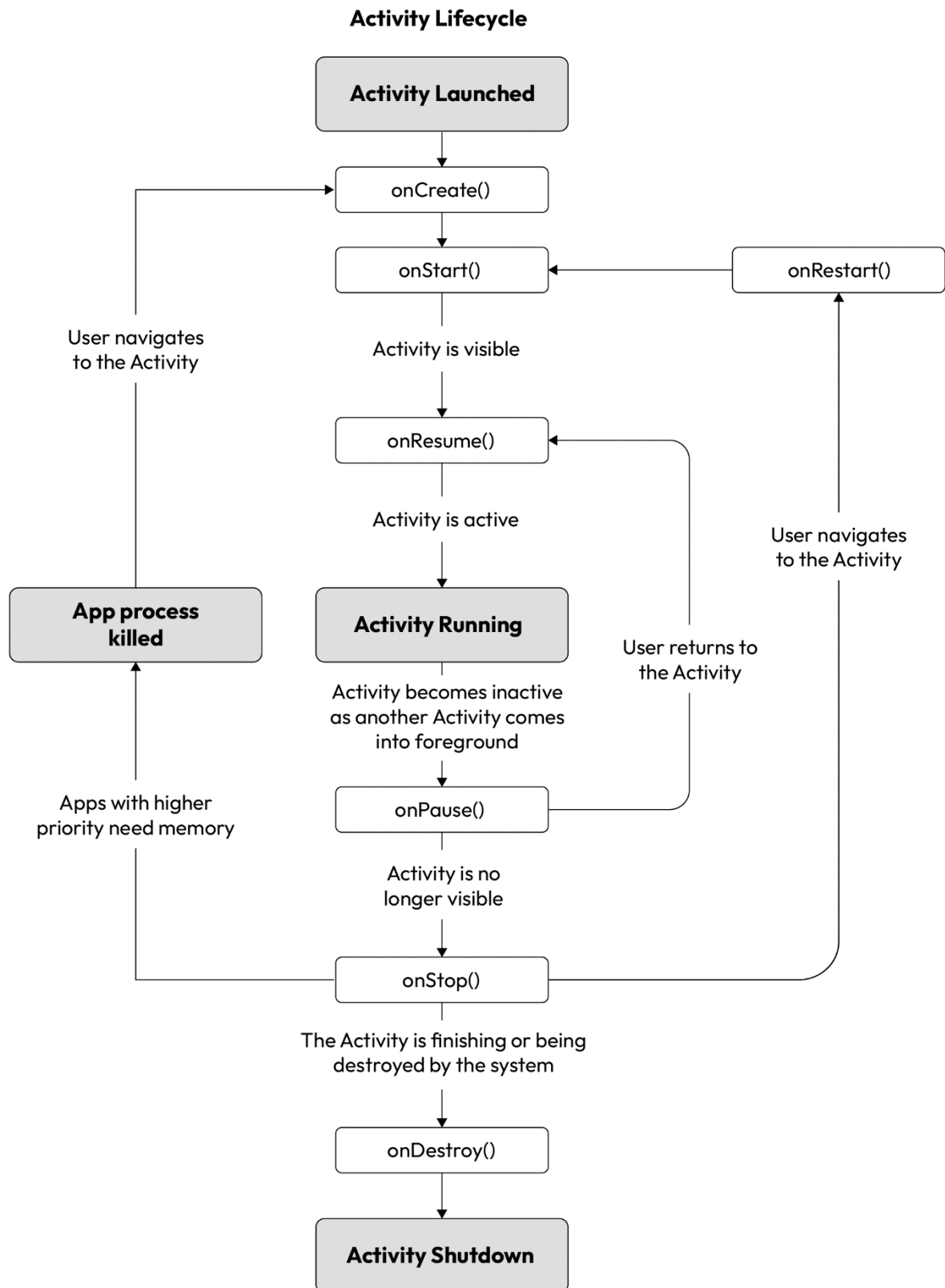
Blue Channel

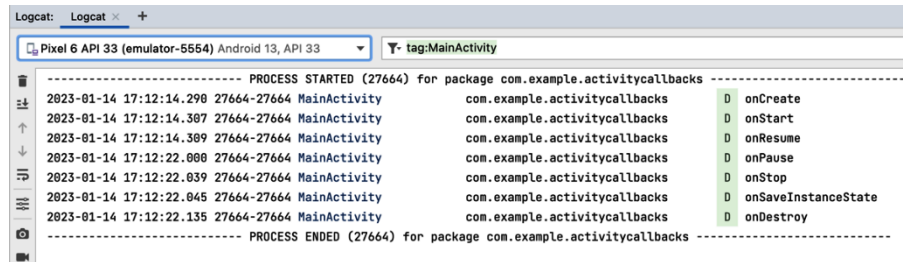
00

CREATE RGB COLOR

Created color display panel

Chapter 02: Building User Screen Flows







5:28



Activity Callbacks

Hello World!

Sat, Jan 14

5:30

T-Mobile    100%



Internet
AndroidWifi



Bluetooth
On



Flashlight
Camera in use



Do Not Disturb
Off



Alarm
No alarm set



Airplane mode
Off



Device controls
Unavailable



Auto-rotate
On





5:50



Save and Restore

Enter your name and email for a discount
code at Your Favorite Restaurant!

First Name:

Last Name:

Email:

GET DISCOUNT



5:51



Save and Restore

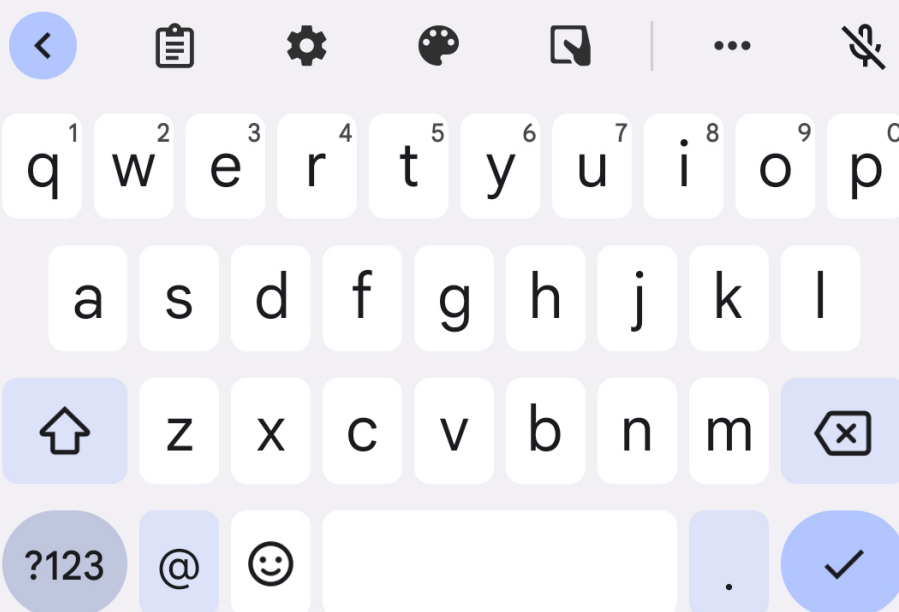
Enter your name and email for a discount
code at Your Favorite Restaurant!

Alex

Forrester




some_email@some_domain.com

GET DISCOUNT





5:53



Save and Restore

Enter your name and email for a discount code at Your Favorite Restaurant!

Alex

Last Name:

some_email@some_domain.com

GET DISCOUNT



7:50



Save and Restore

Enter your name and email for a discount
code at Your Favorite Restaurant!

Alex

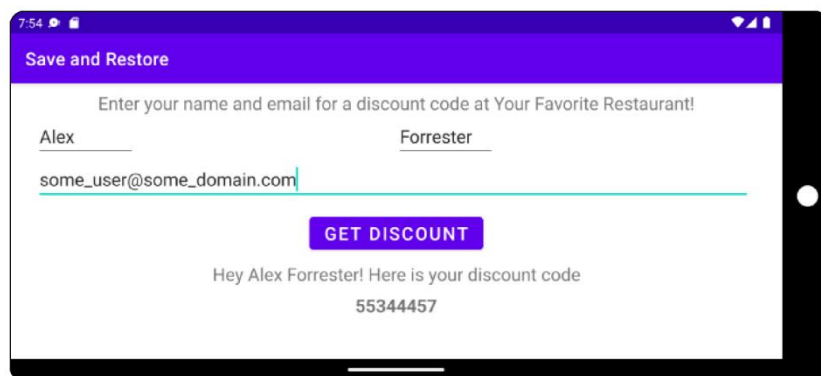
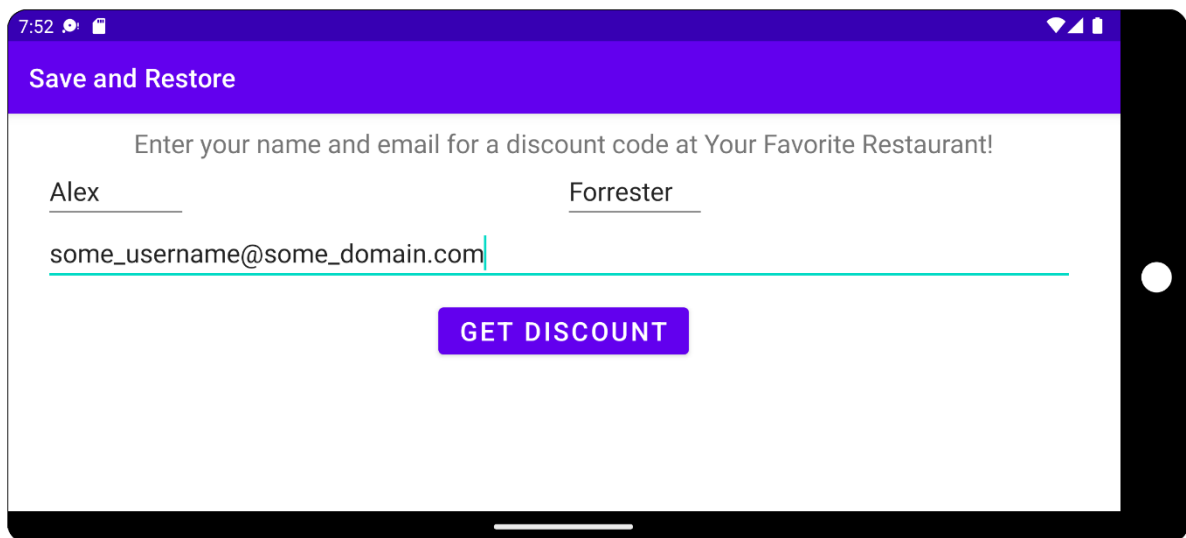
Forrester

some_username@some_domain.com

GET DISCOUNT

Hey Alex Forrester! Here is your discount
code

16EE1E7A





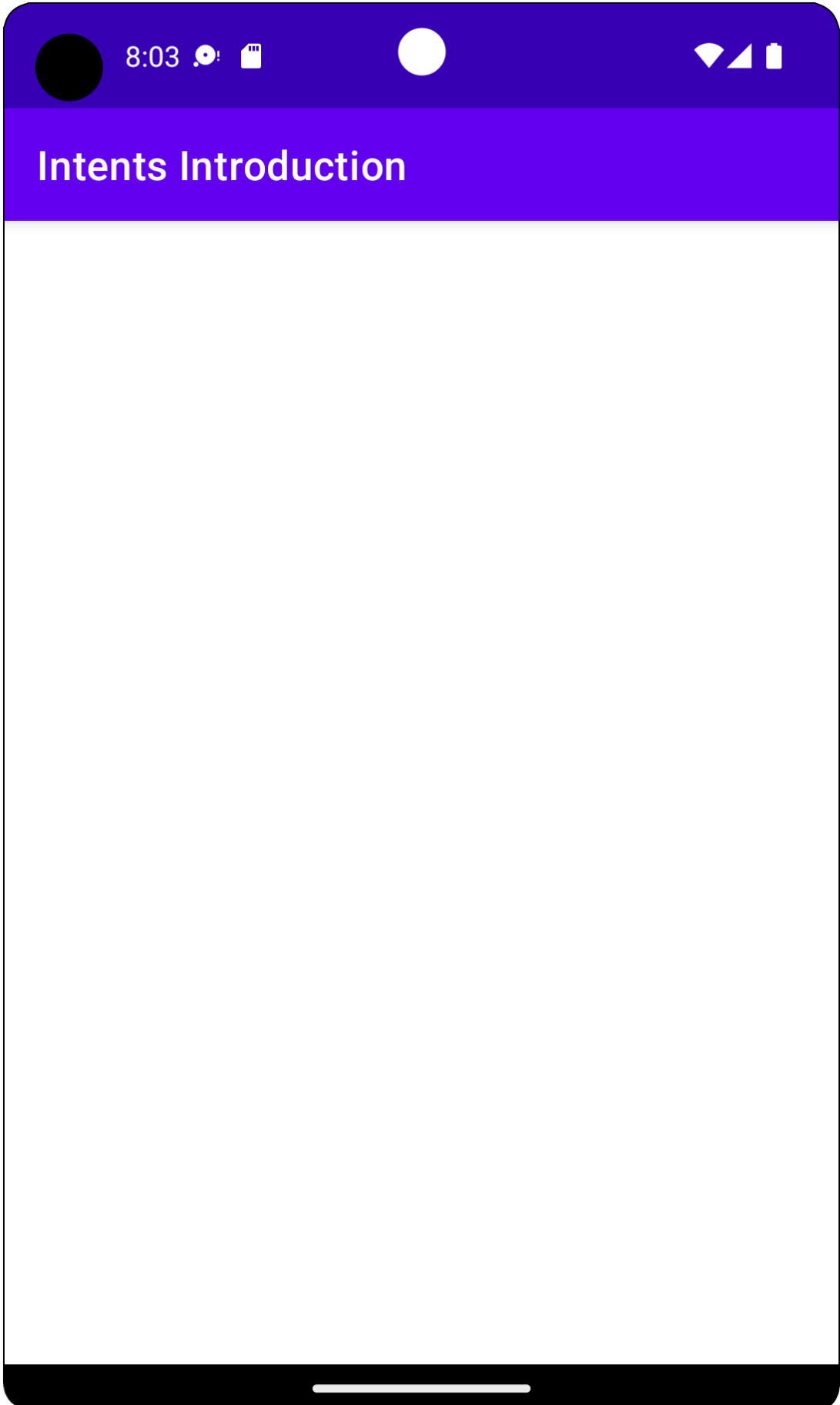
9:34



Intents Introduction

Enter your full name:

SUBMIT



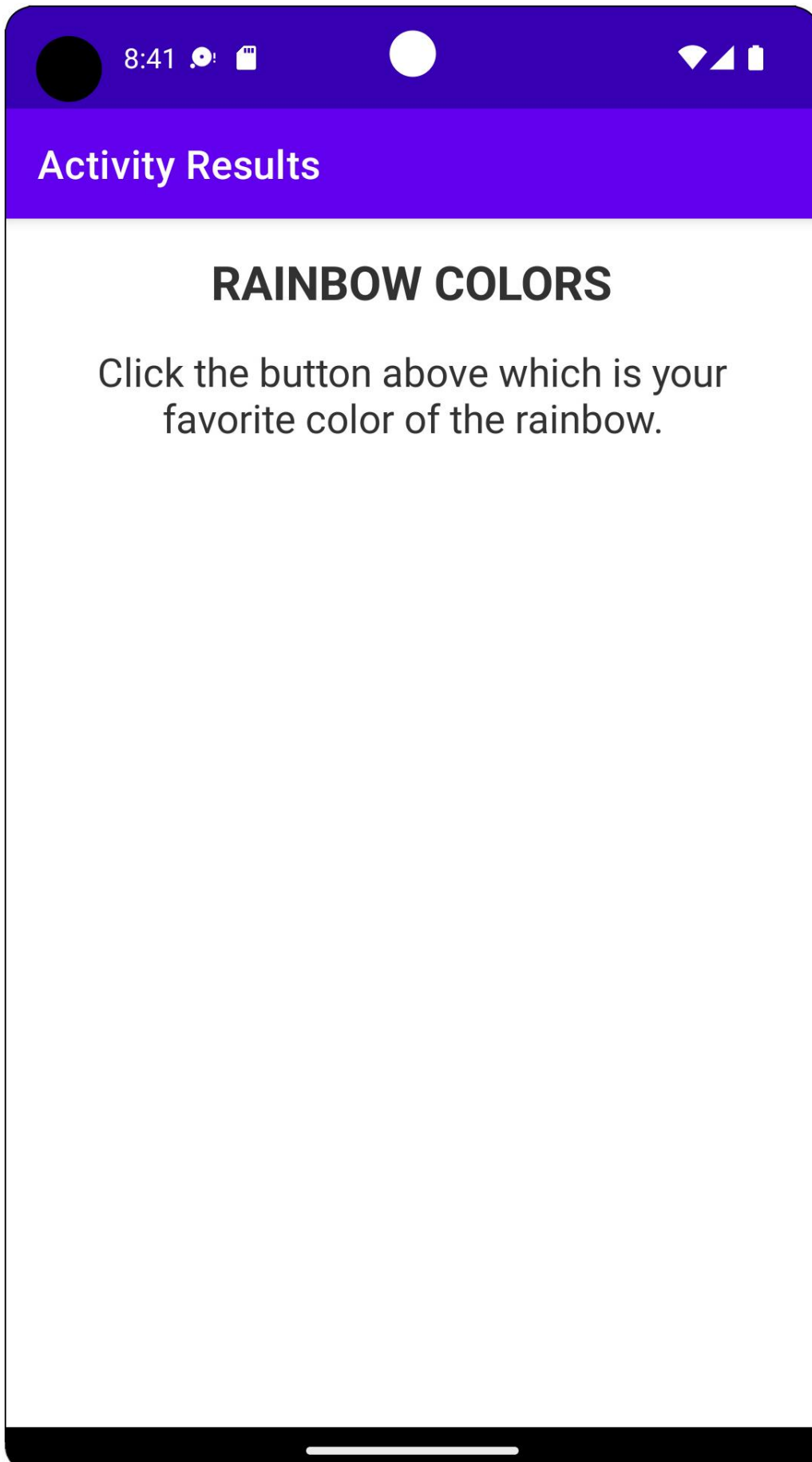


8:05



Intents Introduction

**Hello Alex Forrester, we hope you enjoy
using the app!**



Activity Results

RAINBOW COLORS

Click the button above which is your favorite color of the rainbow.



6:38



Activity Results

Please click the button below to choose
your favorite color of the rainbow!

CHOOSE COLOR



6:44



Activity Results

RAINBOW COLORS

RED

ORANGE

YELLOW

GREEN

BLUE

INDIGO

VIOLET

Click the button above which is your favorite color of the rainbow.



8:50

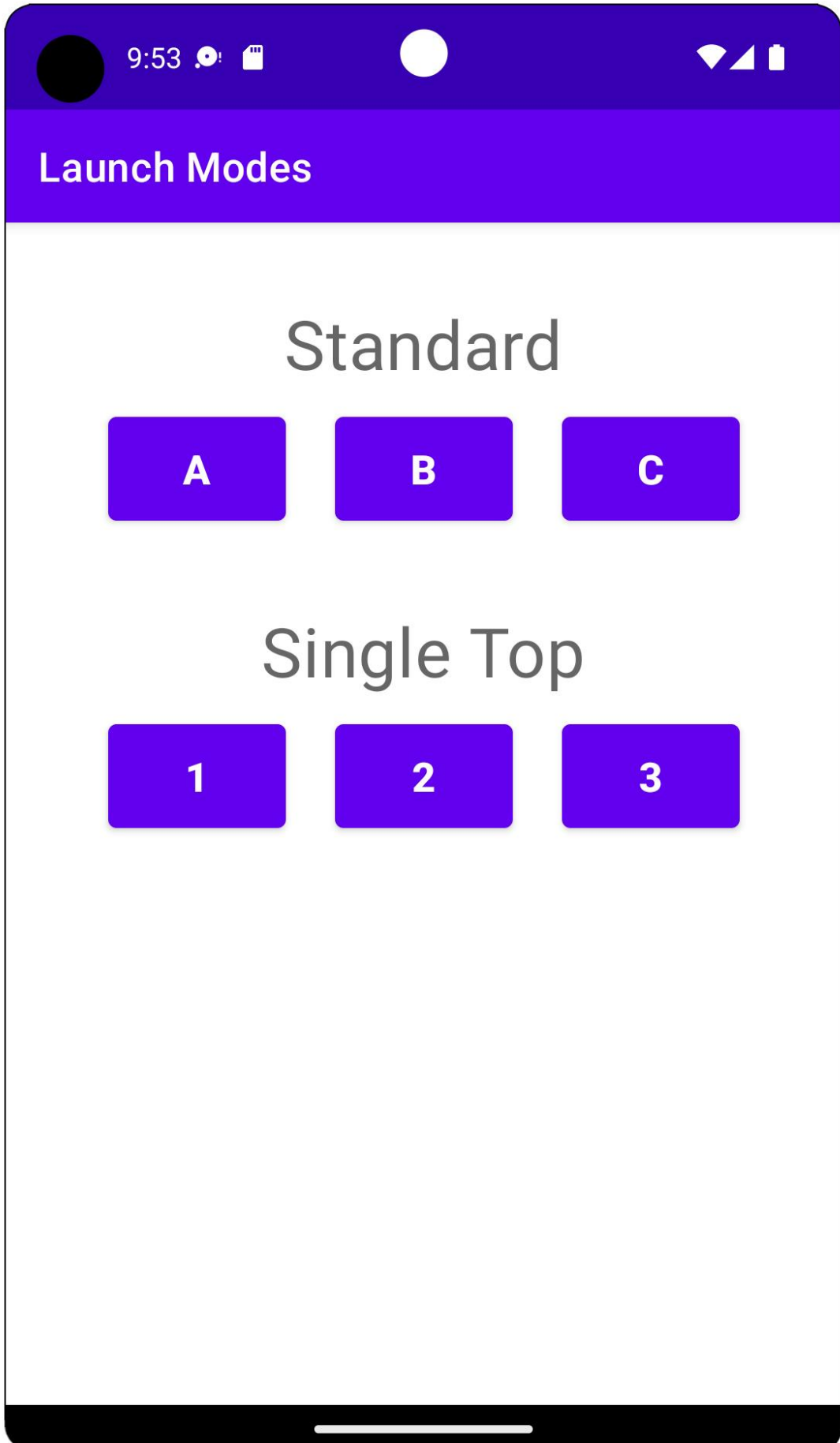


Activity Results

Please click the button below to choose
your favorite color of the rainbow!

CHOOSE COLOR

ORANGE is your favorite color!





9:55



Launch Modes

Standard

A

A

B

C



9:56



Launch Modes

Single Top

2

1

2

3



10:03



Login Activity

Please enter your username and
password below to login:

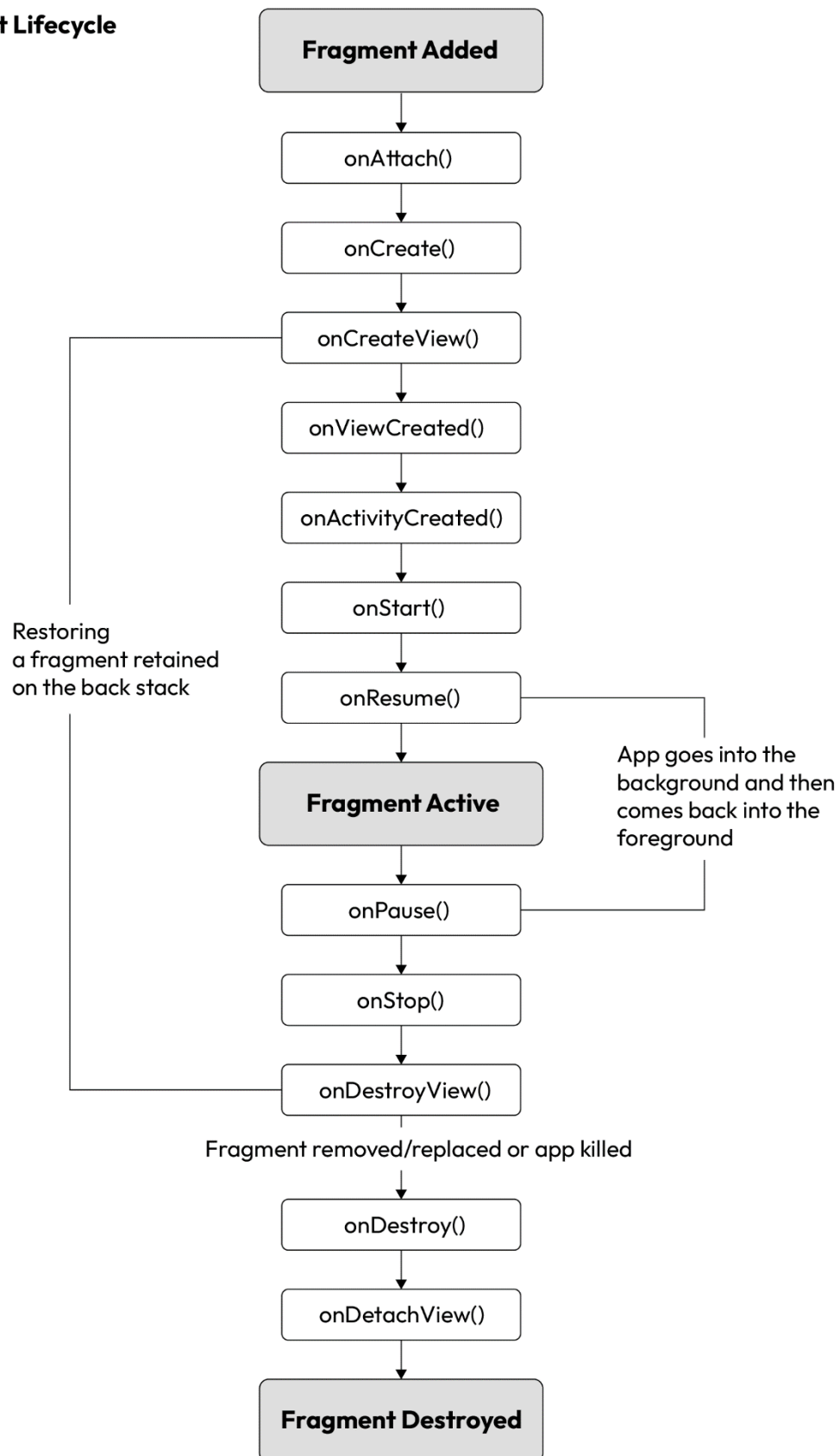
Enter your username:

Enter your password:


LOGIN

Chapter 03: Developing the UI with Fragments


Fragment Lifecycle




New Android Component



Configure Component





Fragment Name

BlankFragment

Fragment Layout Name

fragment_blank

Source Language

Kotlin

Fragment (Blank)

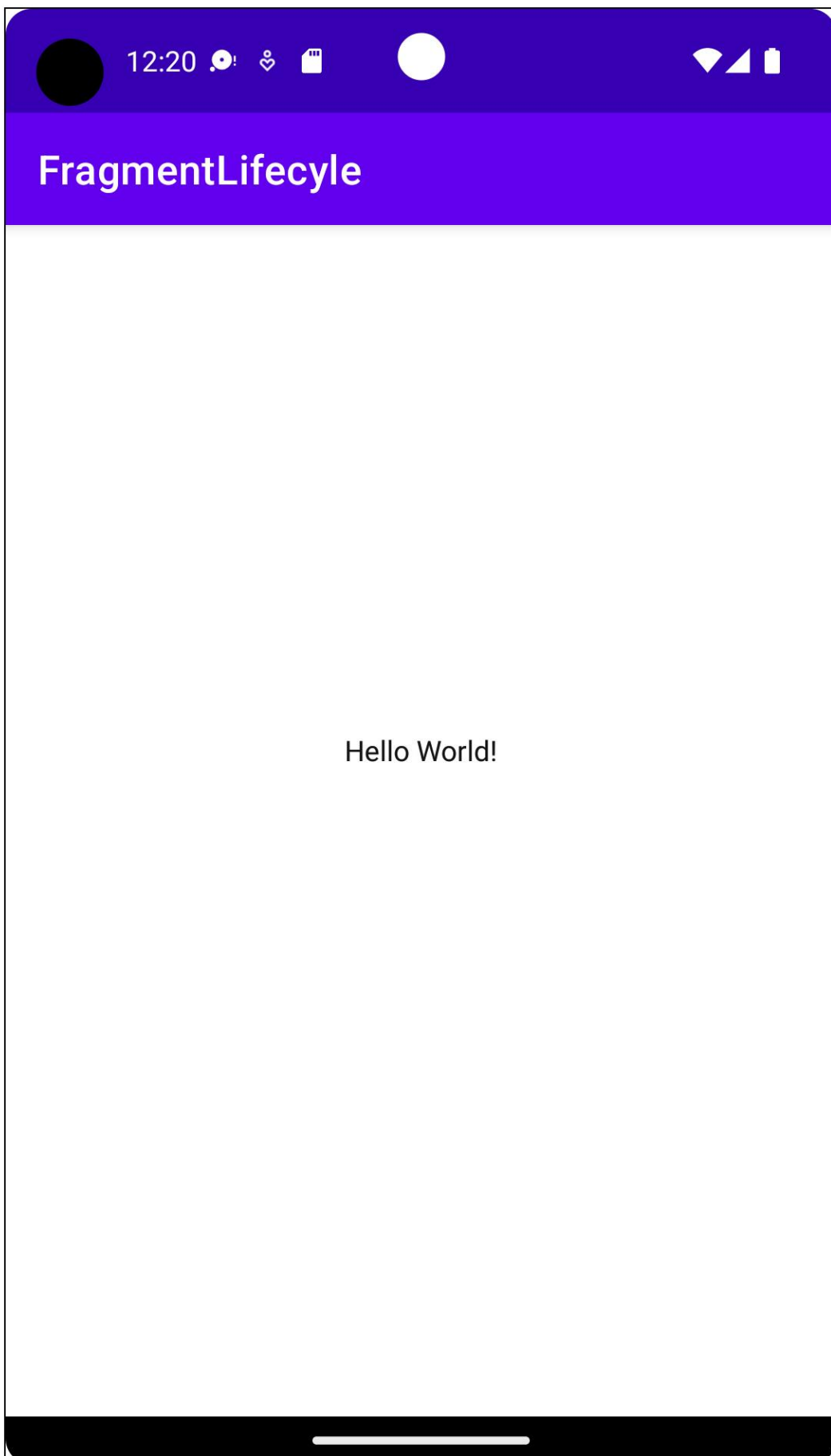
Creates a blank fragment that is compatible back to API level 16

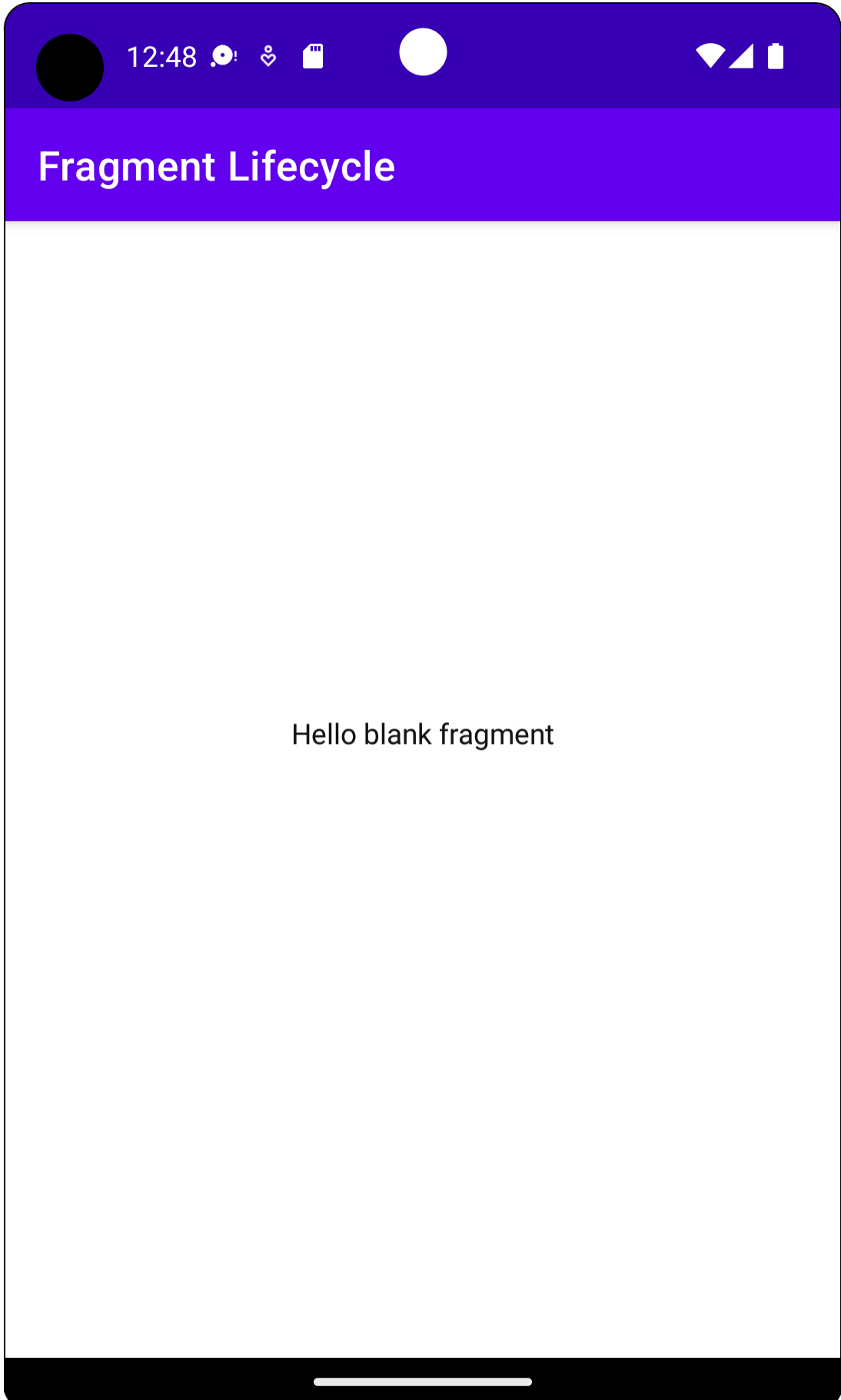
Cancel

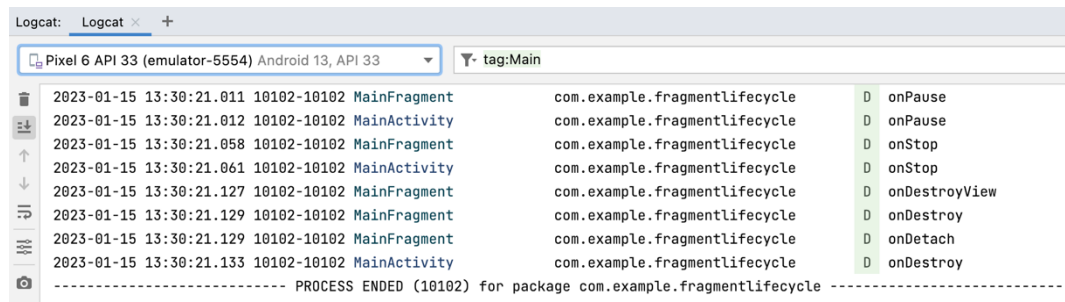
Previous

Next

Finish









3:35



Fragment Intro

Counter

0

+

-



3:56



Fragment Intro

Counter

0

+

-

Hello World

RED

GREEN

BLUE

Counter

0



Hello World

RED

GREEN

BLUE

New Resource File

File name:

Resource type:

Root element:

Source set:

Directory name:

Available qualifiers:

Country Code

Network Code

Locale

Layout Direction

Screen Width

Screen Height

Size

Ratio

Orientation

UI Mode

Night Mode

Density

Touch Screen

>>

<<

Chosen qualifiers:

sw600dp

Smallest screen width:

?

Cancel

OK

Dual Pane Layouts

Star Signs

Aquarius

Pisces

Aries

Taurus

Gemini

Cancer

Leo

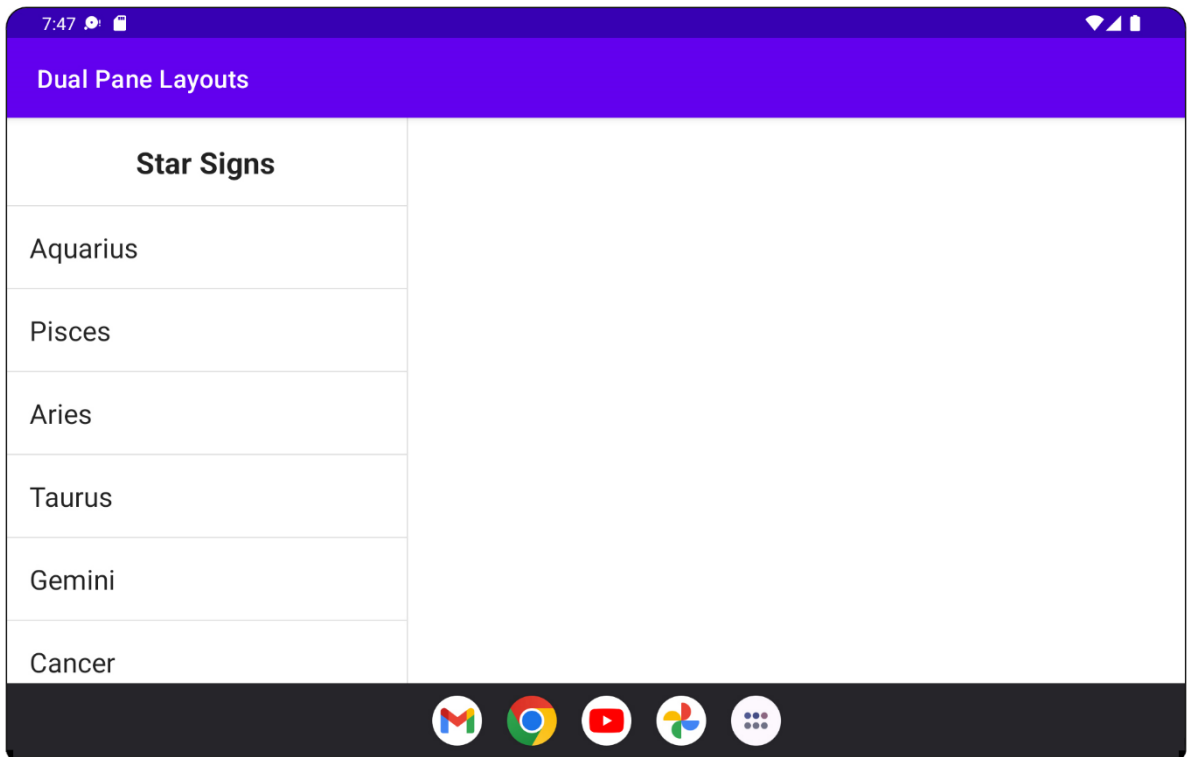
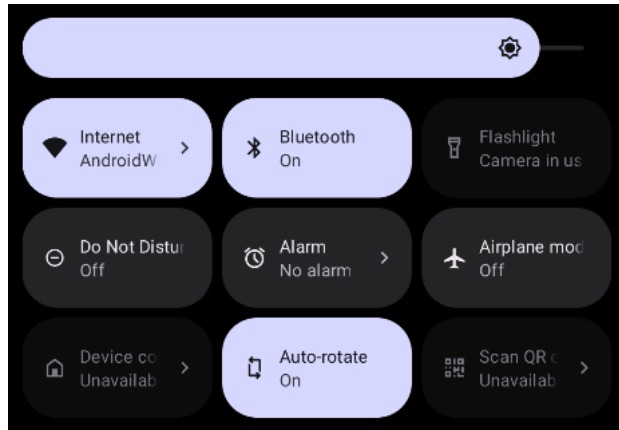
Virgo

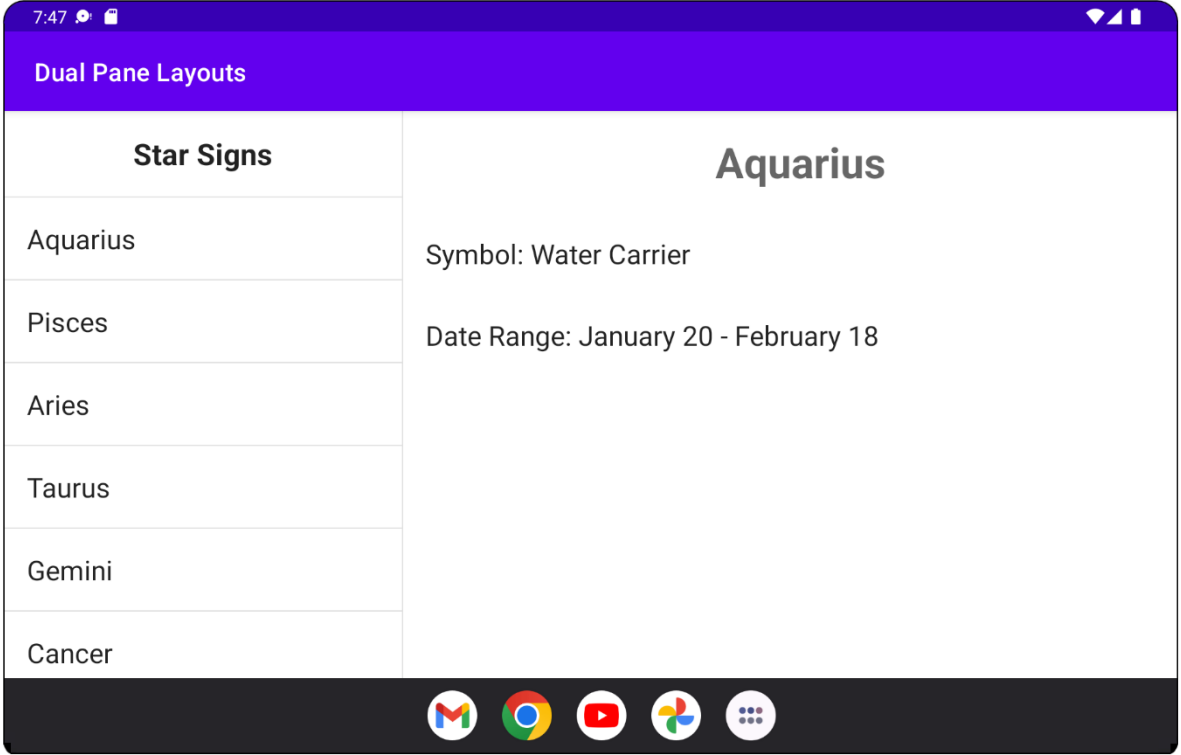
Libra

Scorpio

Sagittarius









7:48



Dual Pane Layouts

Star Signs

Aquarius

Pisces

Aries

Taurus

Gemini

Cancer

Leo

Virgo

Libra

Scorpio

Sagittarius



7:59



Dual Pane Layouts

Star Signs

Aquarius

Pisces

Aries

Taurus

Gemini

Cancer

Leo

Virgo

Libra

Scorpio

Sagittarius

New Resource File

File name: nav_graph

Resource type: Navigation

Root element: navigation

Source set: main

Directory name: navigation

Available qualifiers:

Country Code

Network Code

Locale

Layout Direction

Smallest Screen Width

Screen Width

Screen Height

Size

Ratio

Orientation

UI Mode

>>

<<

Chosen qualifiers:

Nothing to show

?

Cancel

OK



5:14



Planet Quiz

Planet Quiz

What is the largest planet?

Which planet has the most moons?

Which planet spins on its side?



5:17



Planet Quiz

What is the largest planet?

MERCURY

VENUS

EARTH

MARS

JUPITER

SATURN

URANUS

NEPTUNE



5:22



Planet Quiz

What is the largest planet?

MERCURY

VENUS

EARTH

MARS

JUPITER

SATURN

URANUS

NEPTUNE

CORRECT! Jupiter is the largest planet and is 2.5 times the mass of all the other planets put together.

Chapter 04: Building App Navigation





9:07



3G 



Navigation Drawer



Home



Recent



Favorites



Archive



Bin

New Resource File

File name:

mobile_navigation.xml

↑↓

Resource type:

Navigation

▼

Root element:

navigation

Source set:

main src/main/res

▼

Directory name:

navigation

Available qualifiers:

Chosen qualifiers:

Country Code

Network Code

Locale

Layout Direction

Smallest Screen Width

Screen Width

Screen Height

Size

Ratio

Orientation

>>

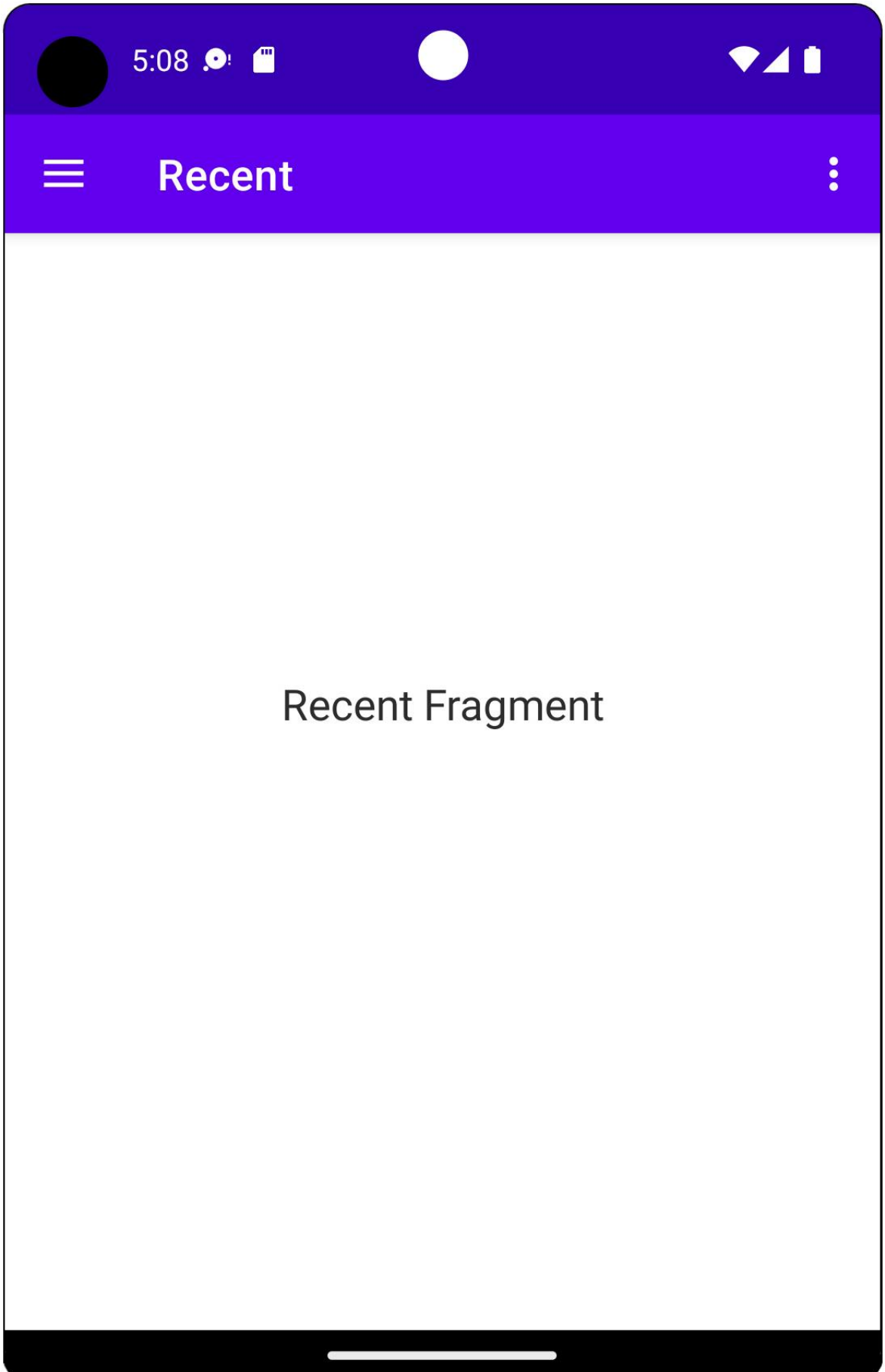
<<

Nothing to show

?

Cancel

OK





5:09



Navigation Drawer



Home



Recent



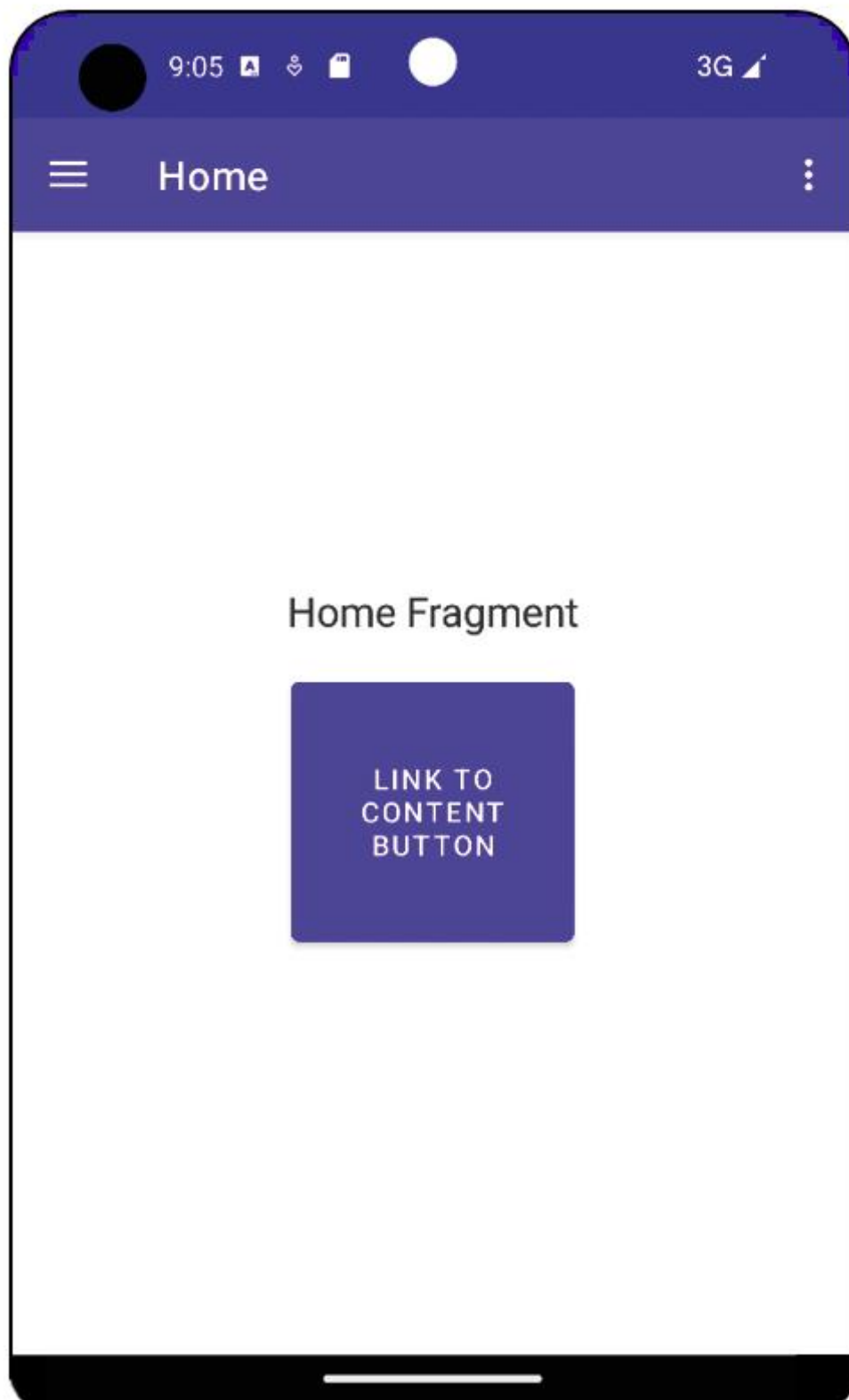
Favorites

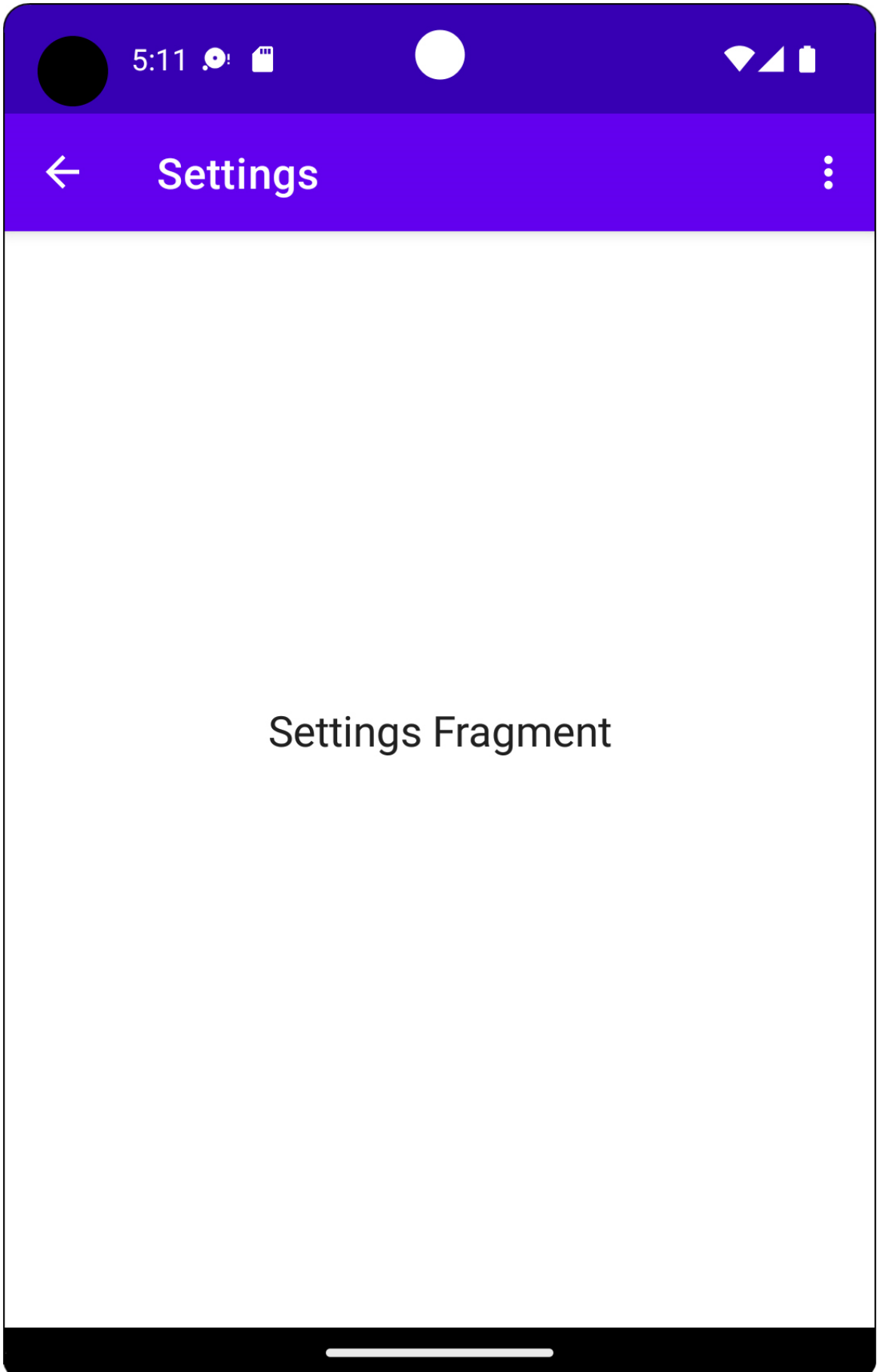


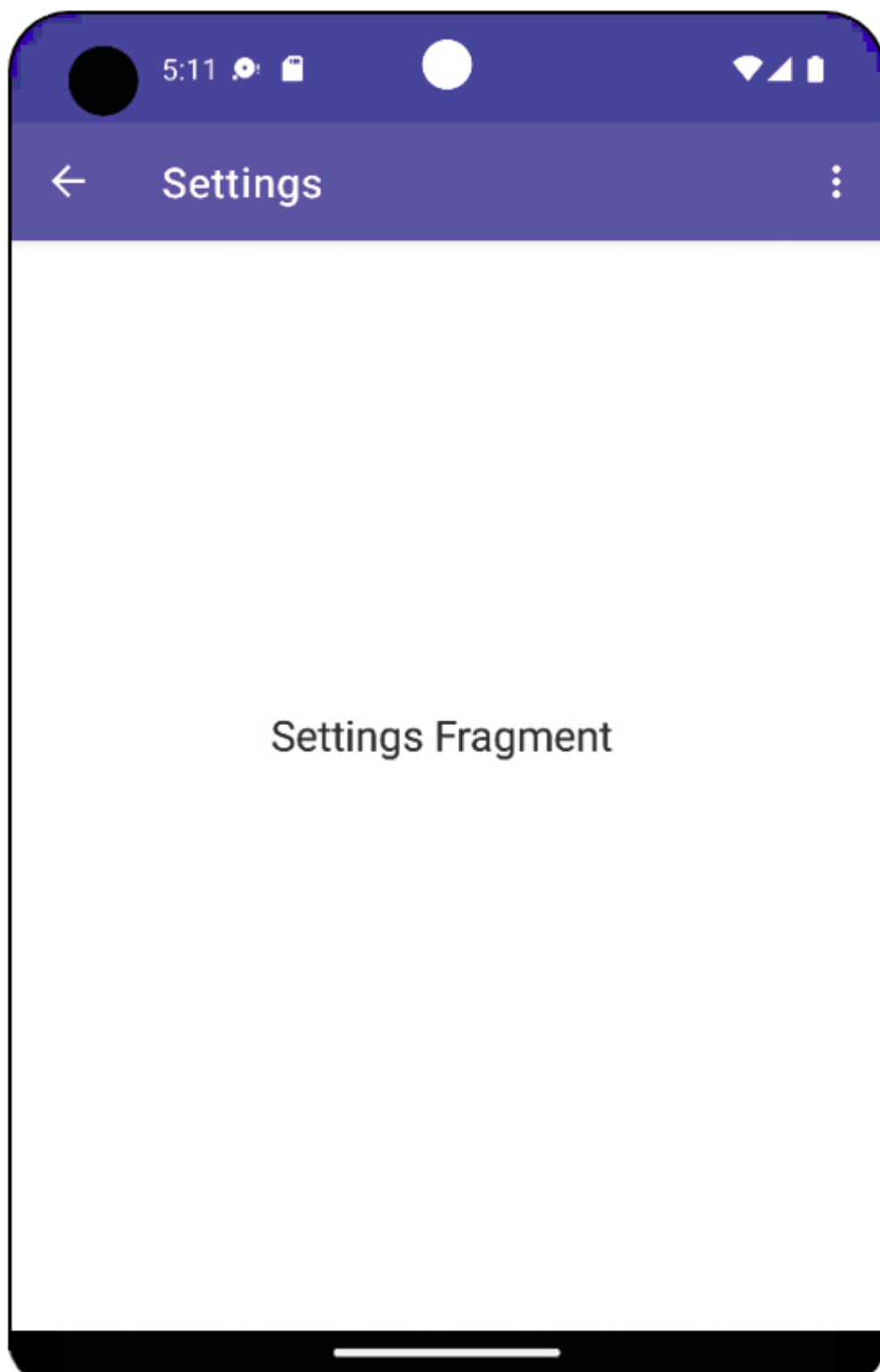
Archive

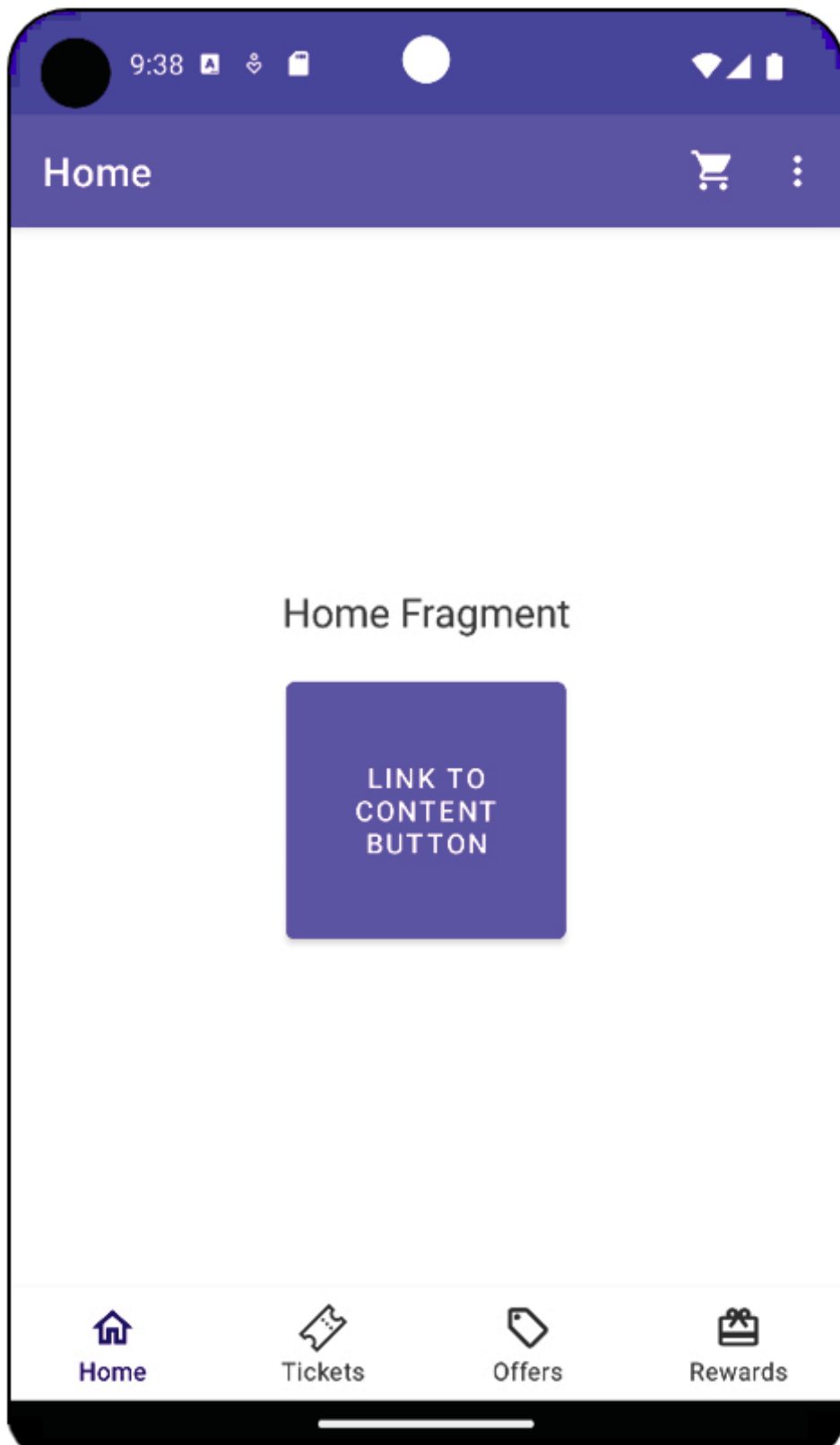


Bin











5:48



Content

Content Fragment



Home



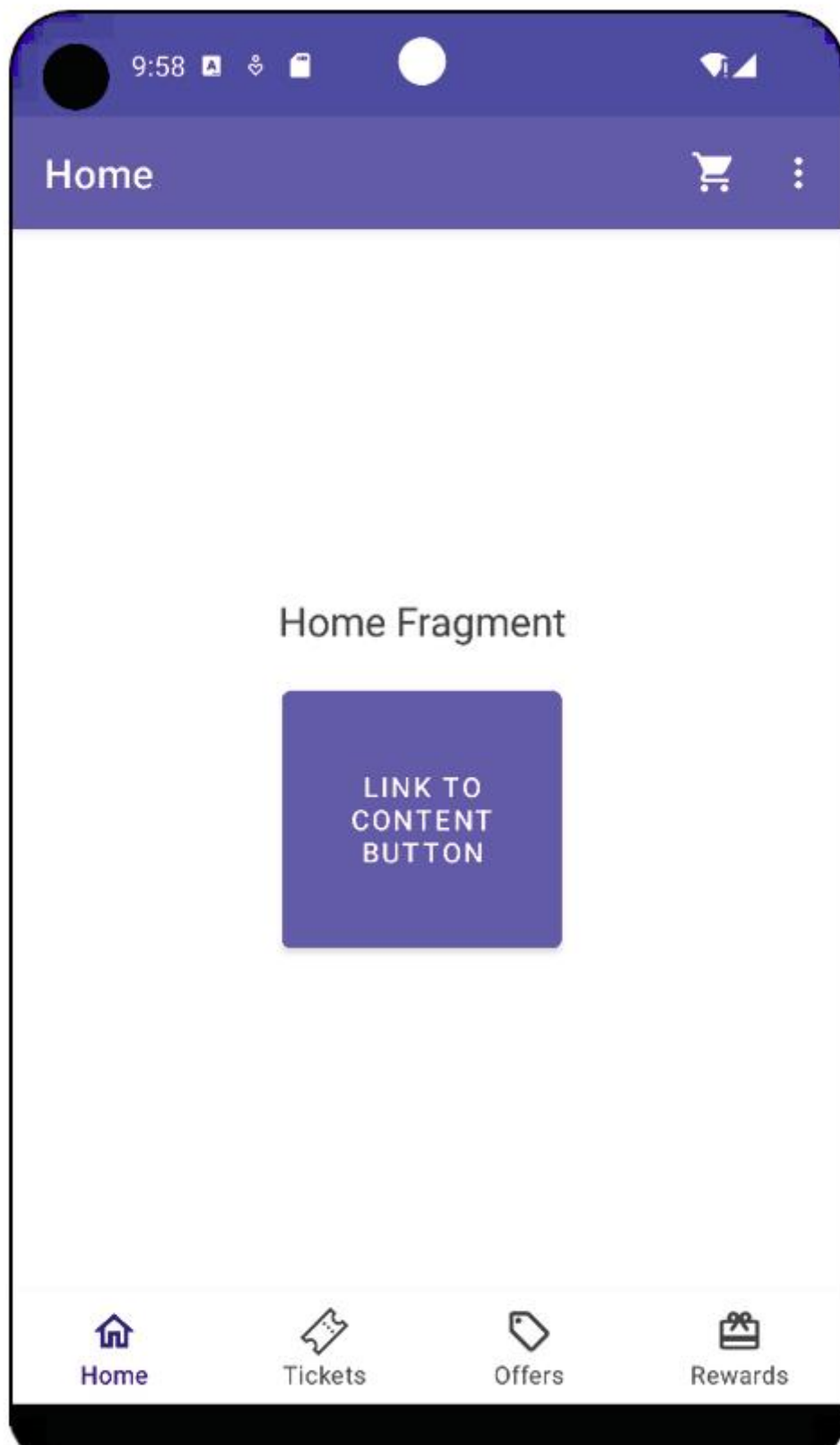
Tickets



Offers



Rewards







8:42 🔔 📄



Tab Navigation

ACTION

COMEDY

DRAMA

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi.



8:52



Tab Navigation

COMEDY

DRAMA

SCI-FI

FAMILY

CRIME

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi.



8:55



Home

Home Fragment



Home



Account

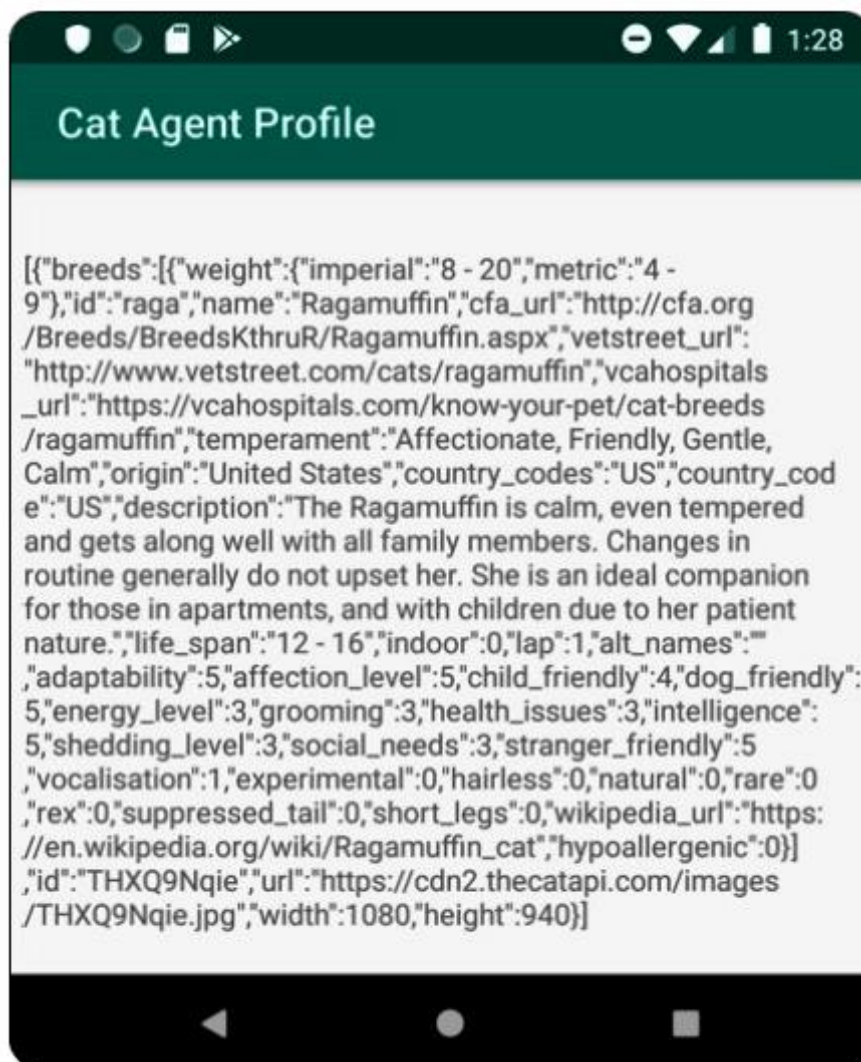
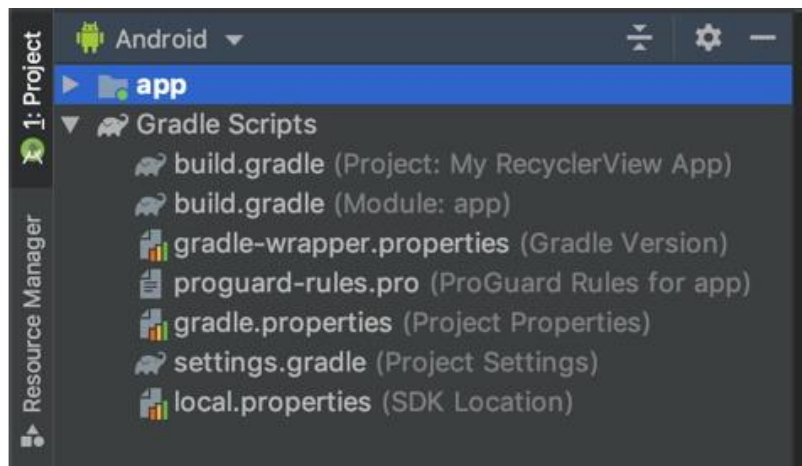


Profile



My Sports

Chapter 05: Essential Libraries: Retrofit, Moshi, and Glide



9:53



Cat Agent Profile

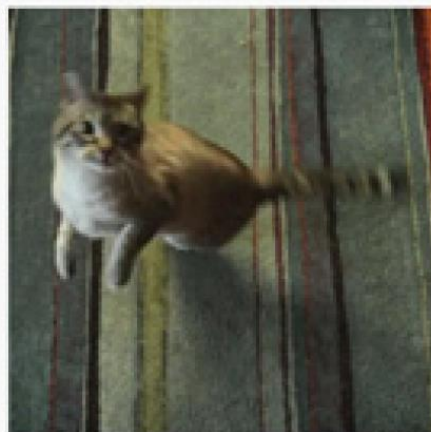
Image URL: <https://cdn2.thecatapi.com/images/e73.jpg>





Cat Agent Profile

Image URL: <https://cdn2.thecatapi.com/images/7mc.gif>





Cat Agent Profile

Image URL: <https://cdn2.thecatapi.com/images/74r.jpg>





Cat Agent Profile

Agent breed: Norwegian Forest Cat





10:13

New York Weather

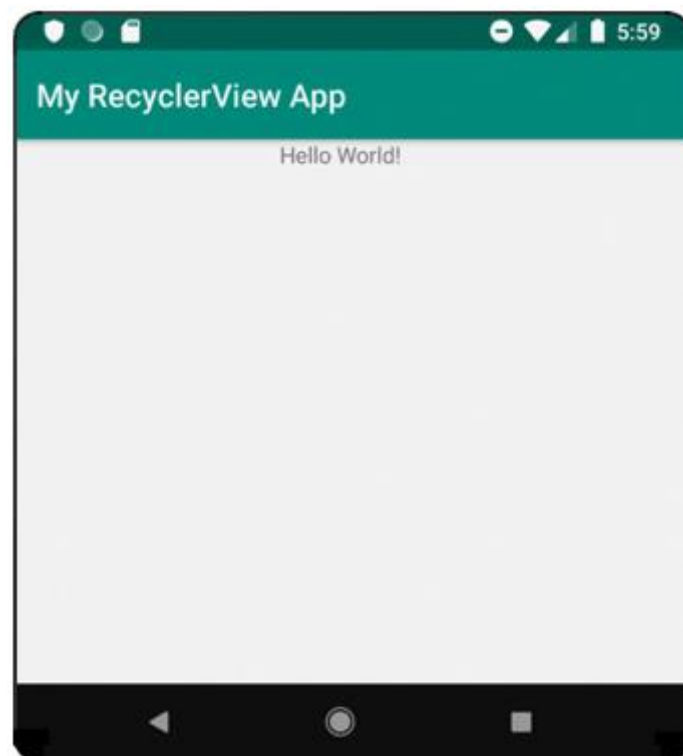
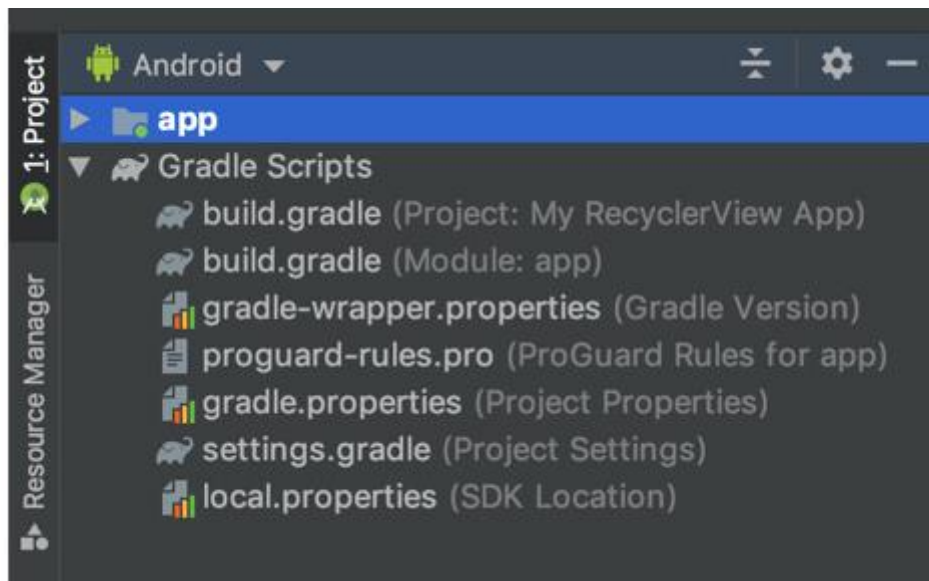
New York

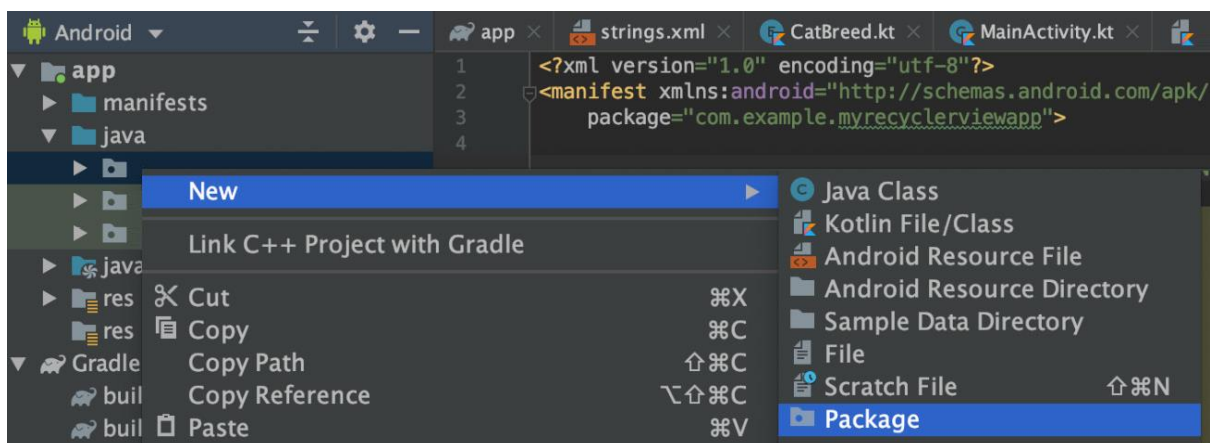
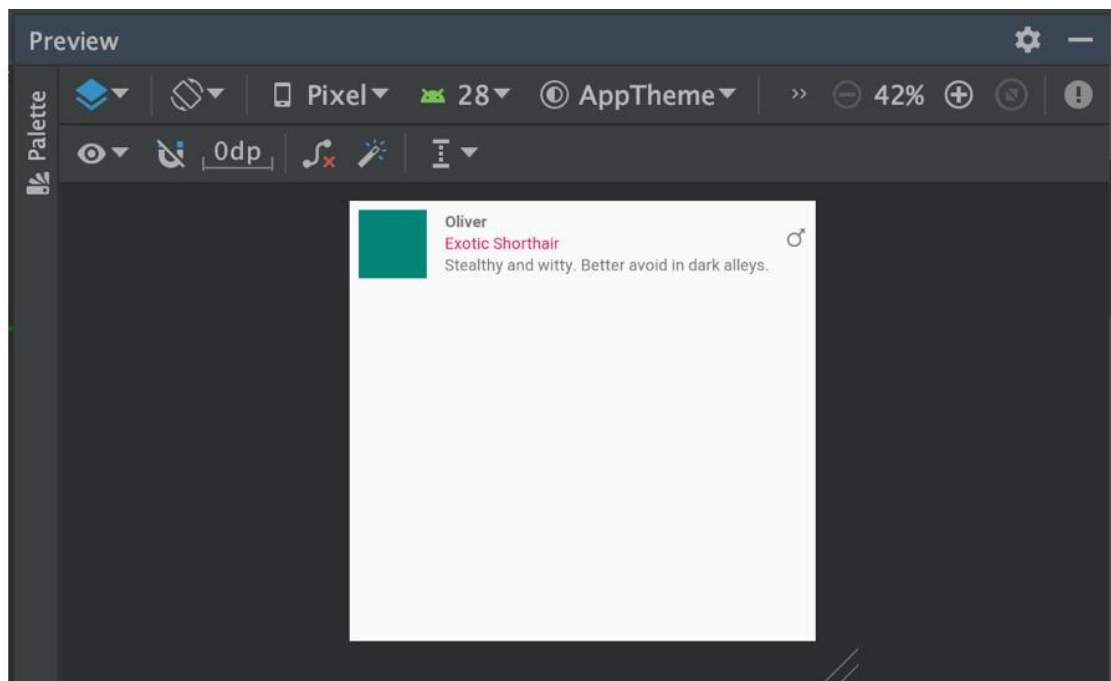
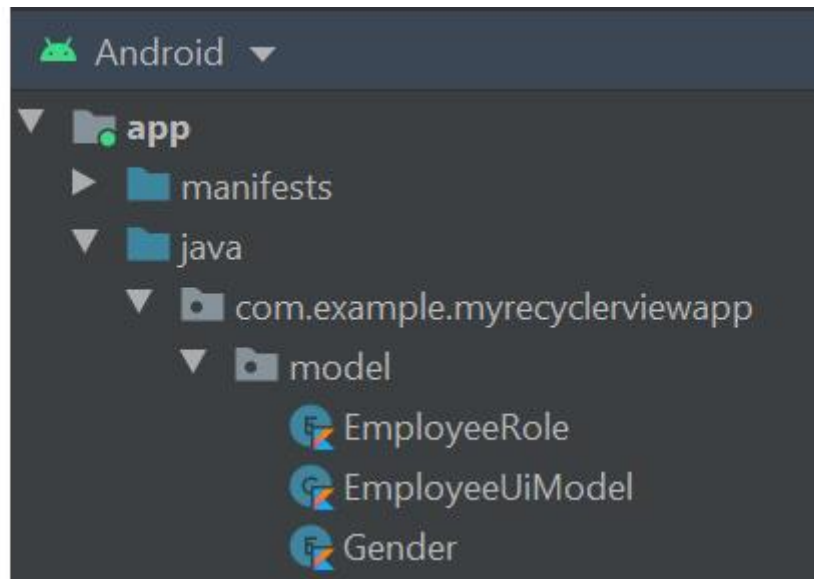
Clouds

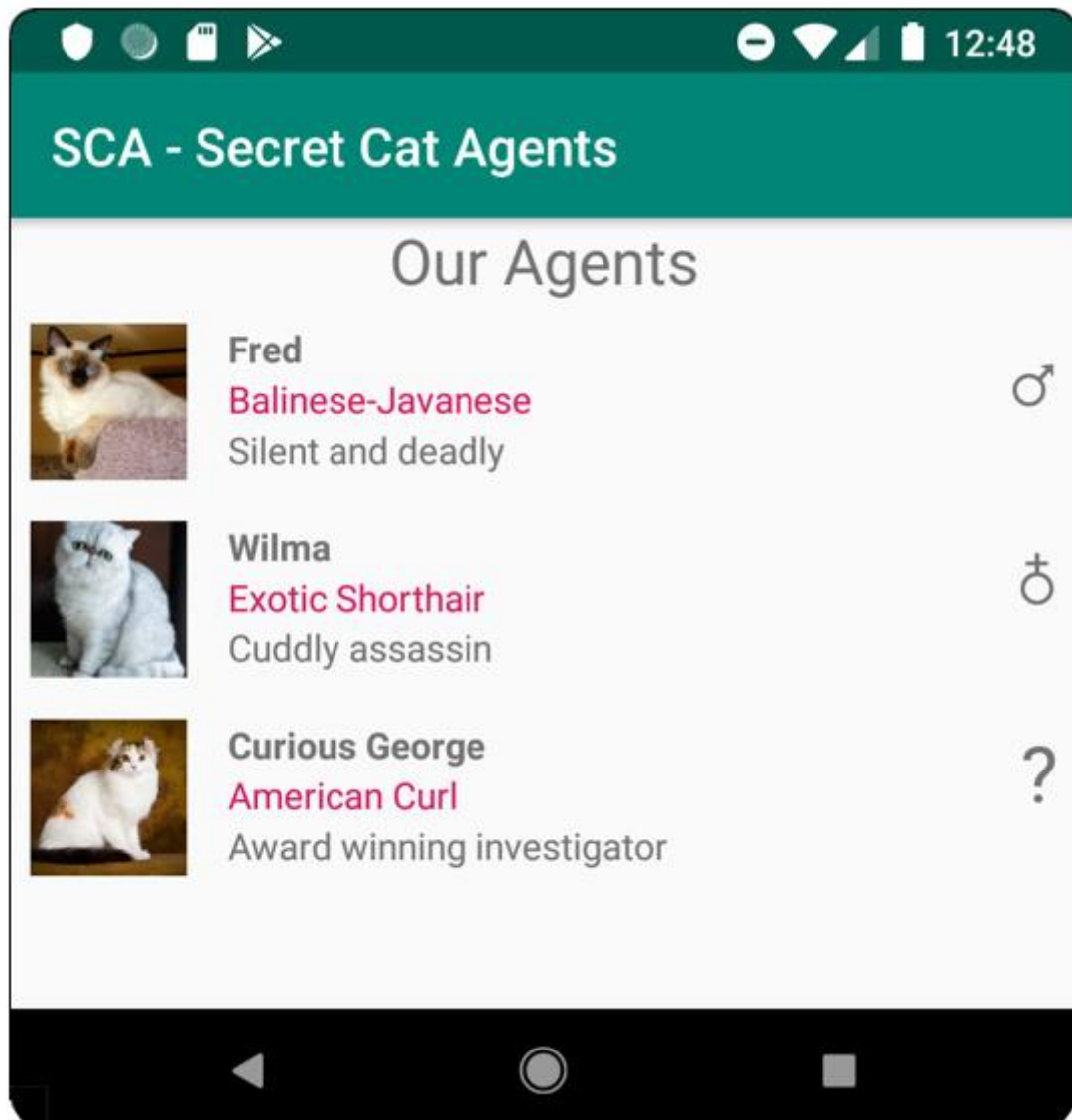
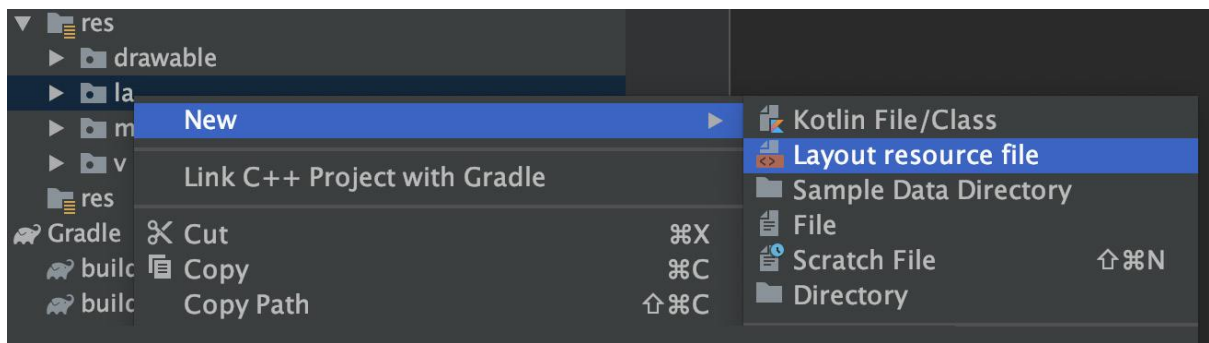
broken clouds

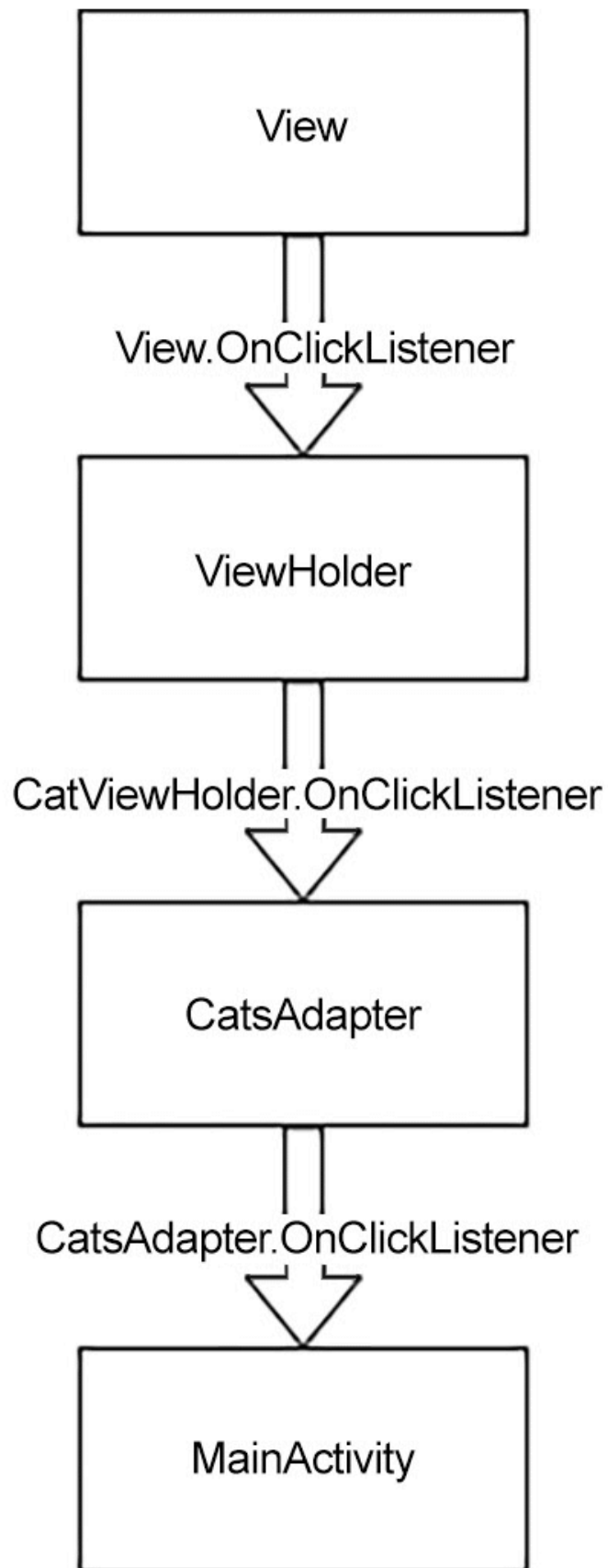


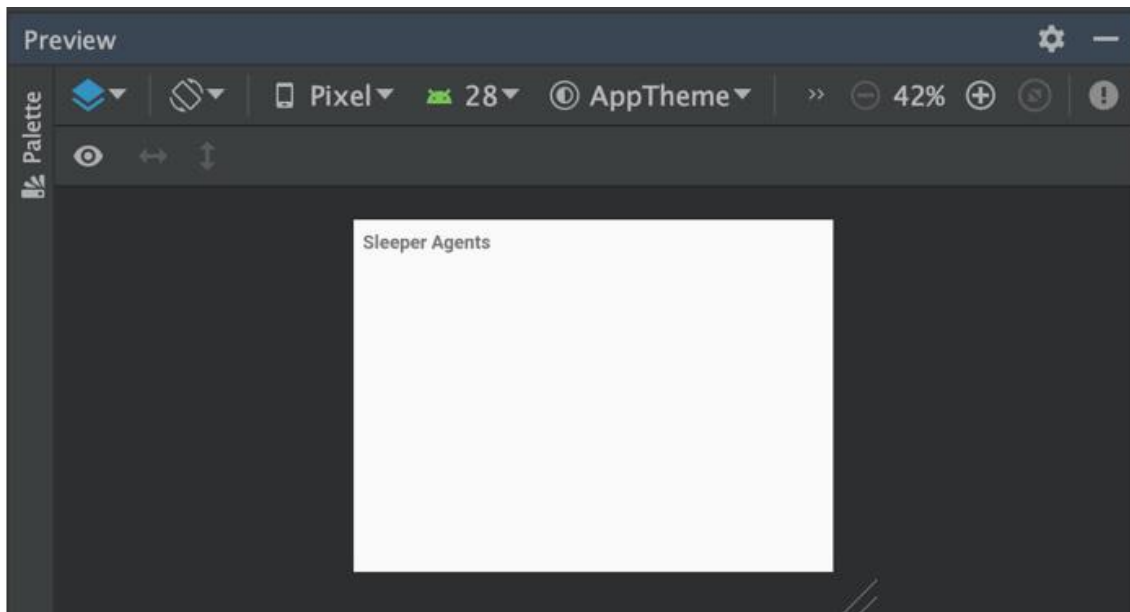
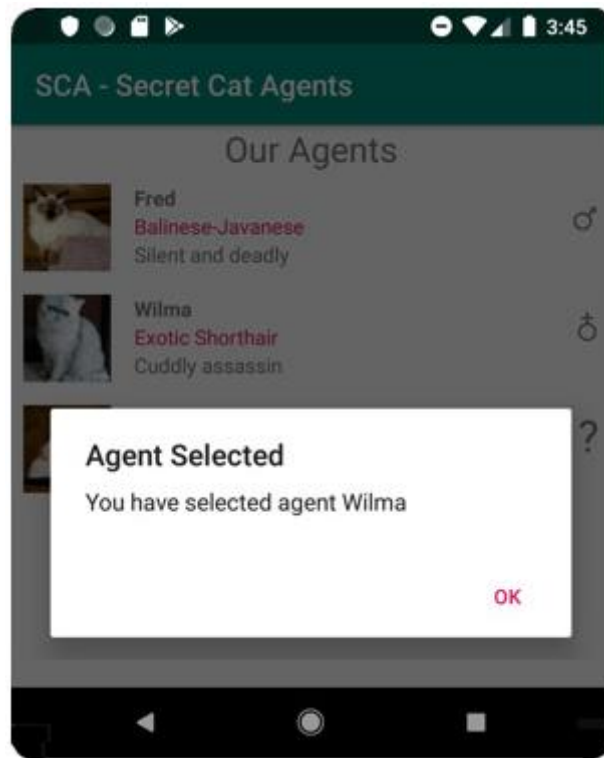
Chapter 06: Adding and Interacting with RecyclerView

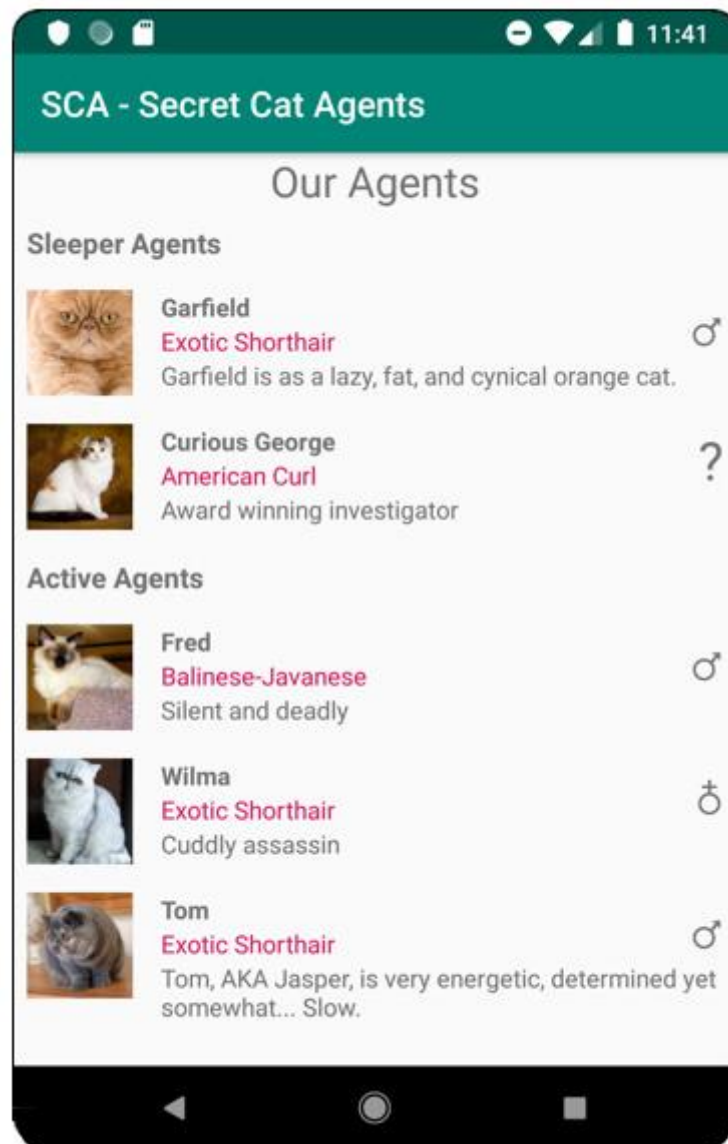












SCA - Secret Cat Agents

Our Agents

Sleeper Agents



Garfield

Exotic Shorthair

Garfield is as a lazy, fat, and cynical orange cat.



Curious George

American Curl

Award winning investigator



Active Agents



Fred

Balinese-Javanese

Silent and deadly



Wilma

Exotic Shorthair

Cuddly assassin

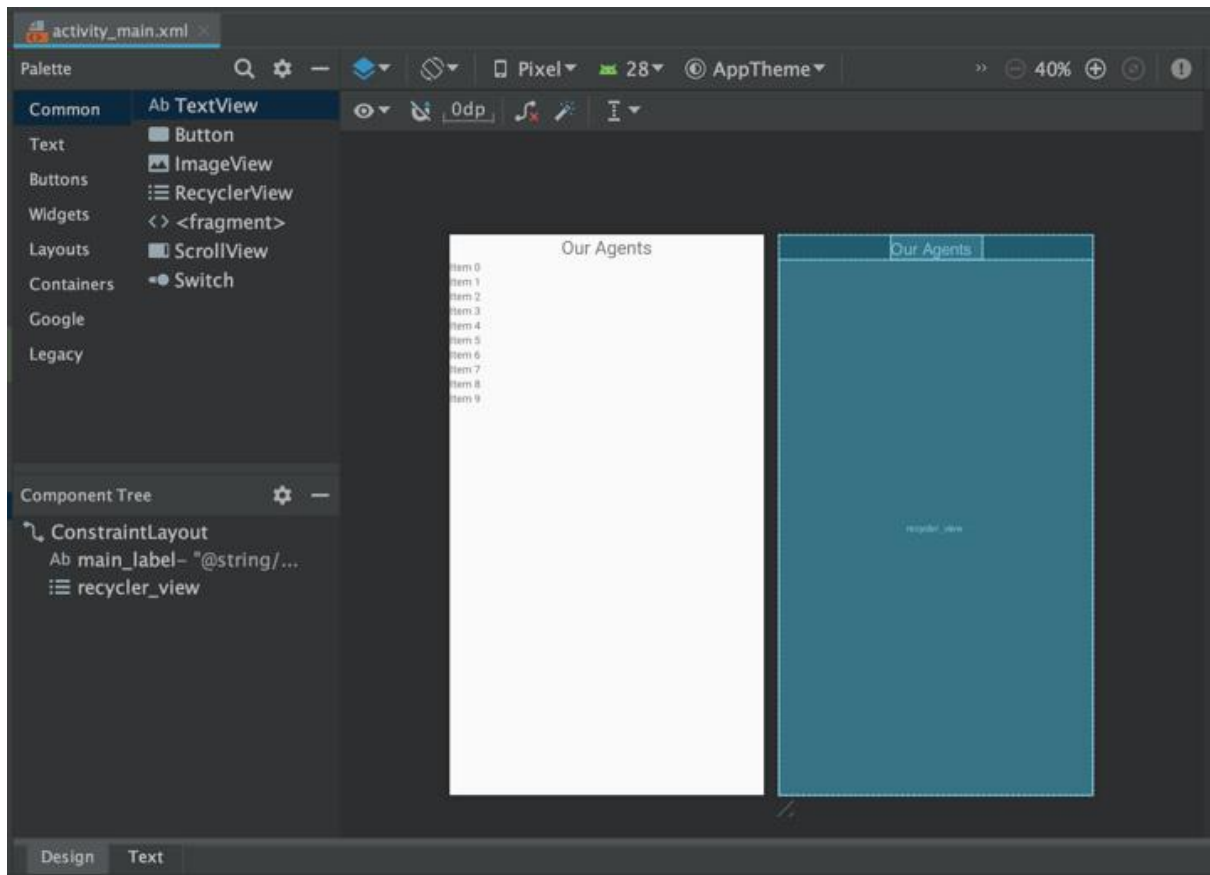


Tom

Exotic Shorthair

Tom, AKA Jasper, is very energetic, determined yet somewhat... Slow.





SCA - Secret Cat Agents

Our Agents

Sleeper Agents



Garfield

Exotic Shorthair

Garfield is as a lazy, fat, and cynical orange cat.



Curious George

American Curl

Award winning investigator



Active Agents



Fred

Balinese-Javanese

Silent and deadly



Wilma

Exotic Shorthair

Cuddly assassin

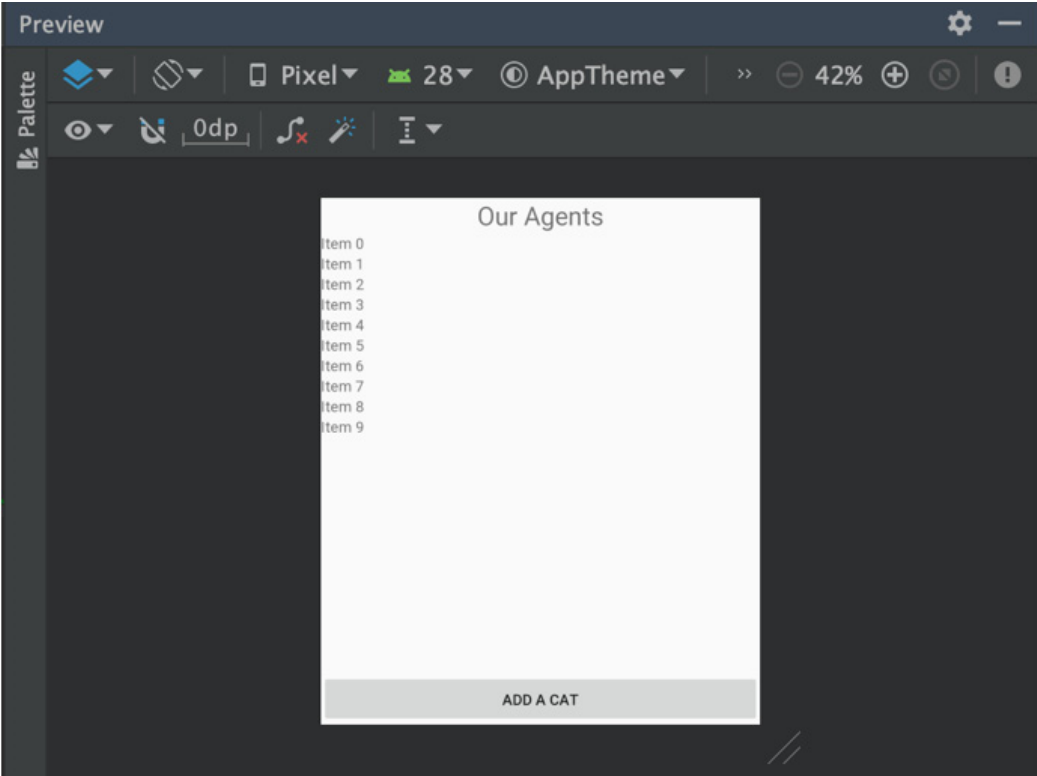


Tom

Exotic Shorthair

Tom, AKA Jasper, is very energetic, determined yet somewhat... Slow.





SCA - Secret Cat Agents

Our Agents

Sleeper Agents



Anonymous
Balinese-Javanese
Unknown



Garfield
Exotic Shorthair
Garfield is as a lazy, fat, and cynical orange cat.



Curious George
American Curl
Award winning investigator



Active Agents



Fred
Balinese-Javanese
Silent and deadly



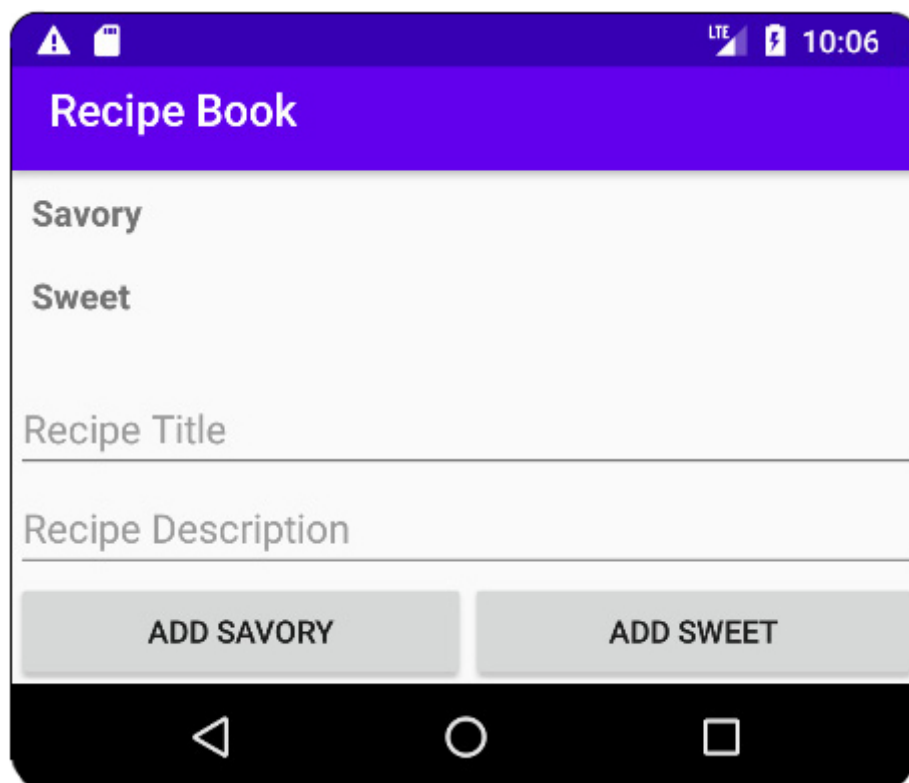
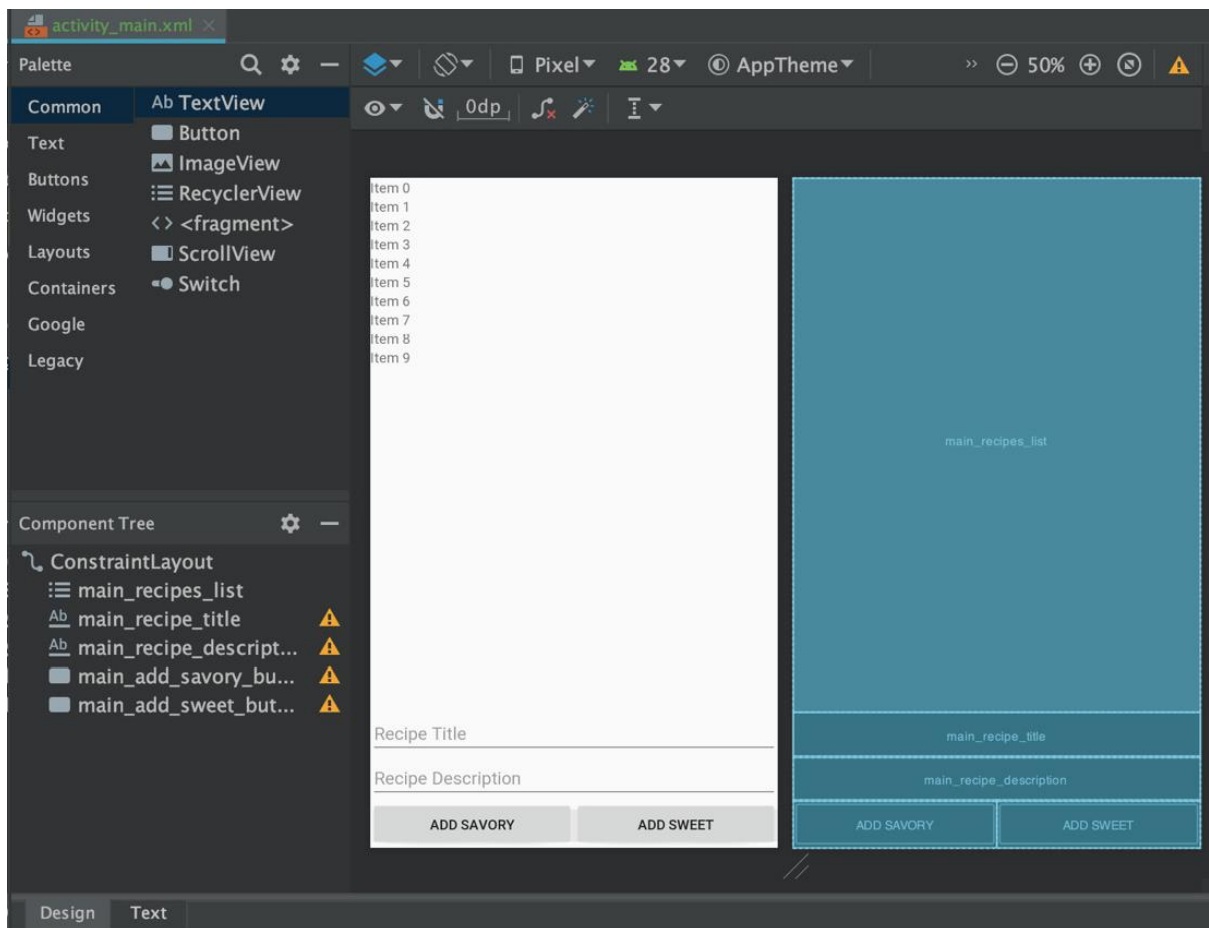
Wilma
Exotic Shorthair
Cuddly assassin



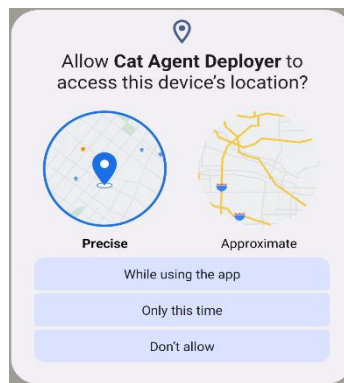
Tom
Exotic Shorthair
Tom, AKA Jasper, is very energetic, determined yet



ADD A CAT



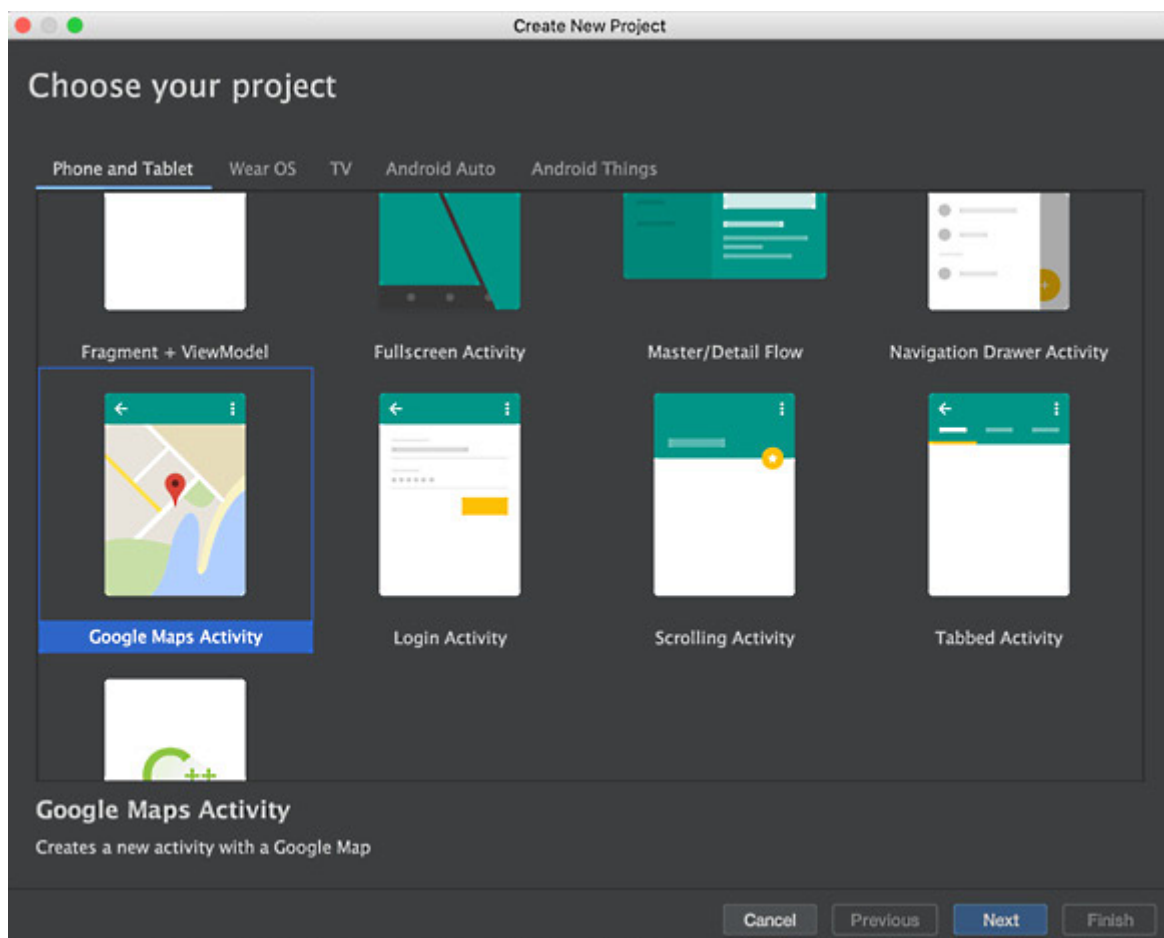
Chapter 07: Android Permissions and Google Maps

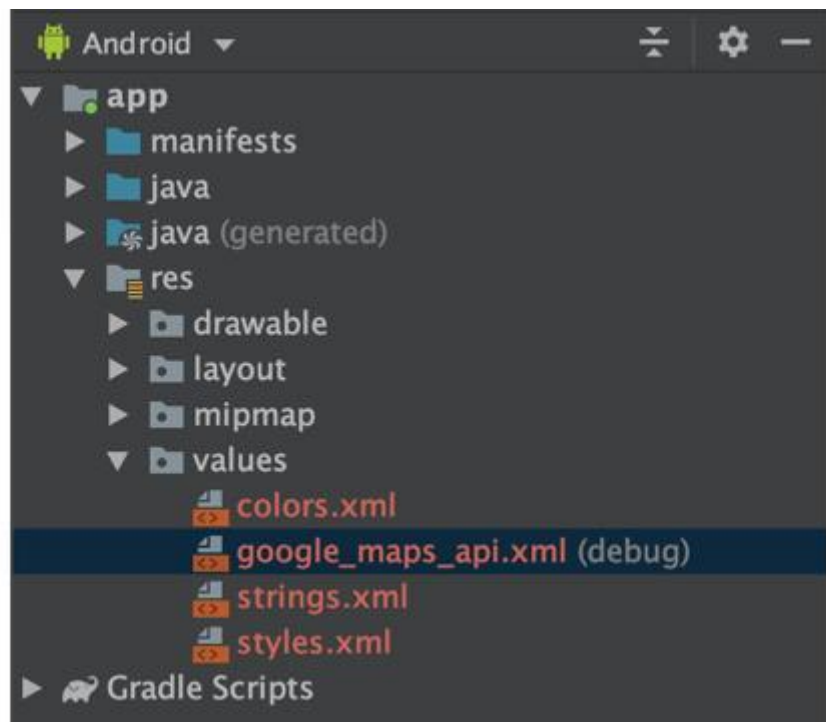


Location permission

This app will not work without knowing your current location

CANCEL OK







10:29



Map



Allow **Cat Agent Deployer** to
access this device's location?



Precise



Approximate

While using the app

Only this time

Don't allow

Google



Allow **Cat Agent
Deployer** to access
this device's location?



Don't ask again

DENY

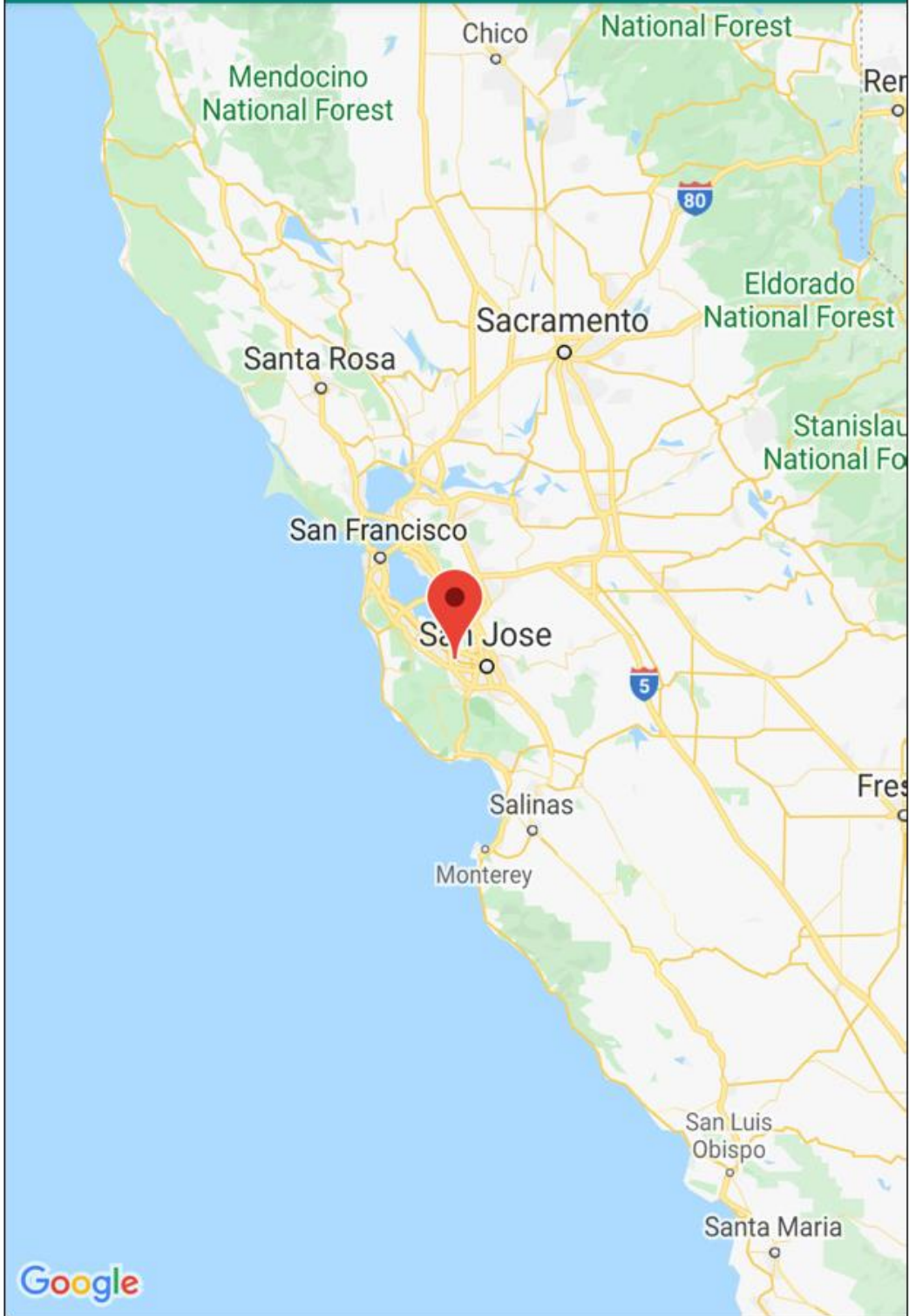
ALLOW



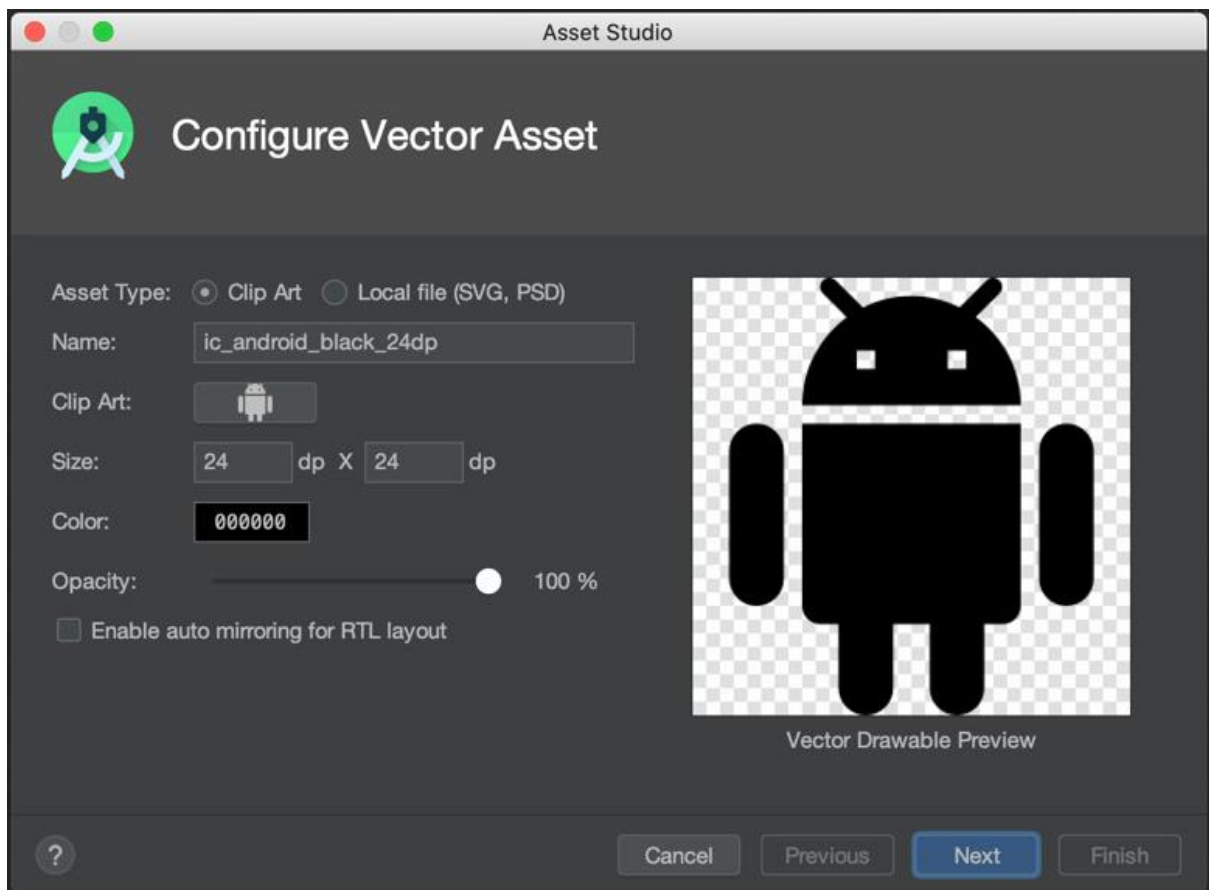
4:42



Map



Google





Select Icon



Filled



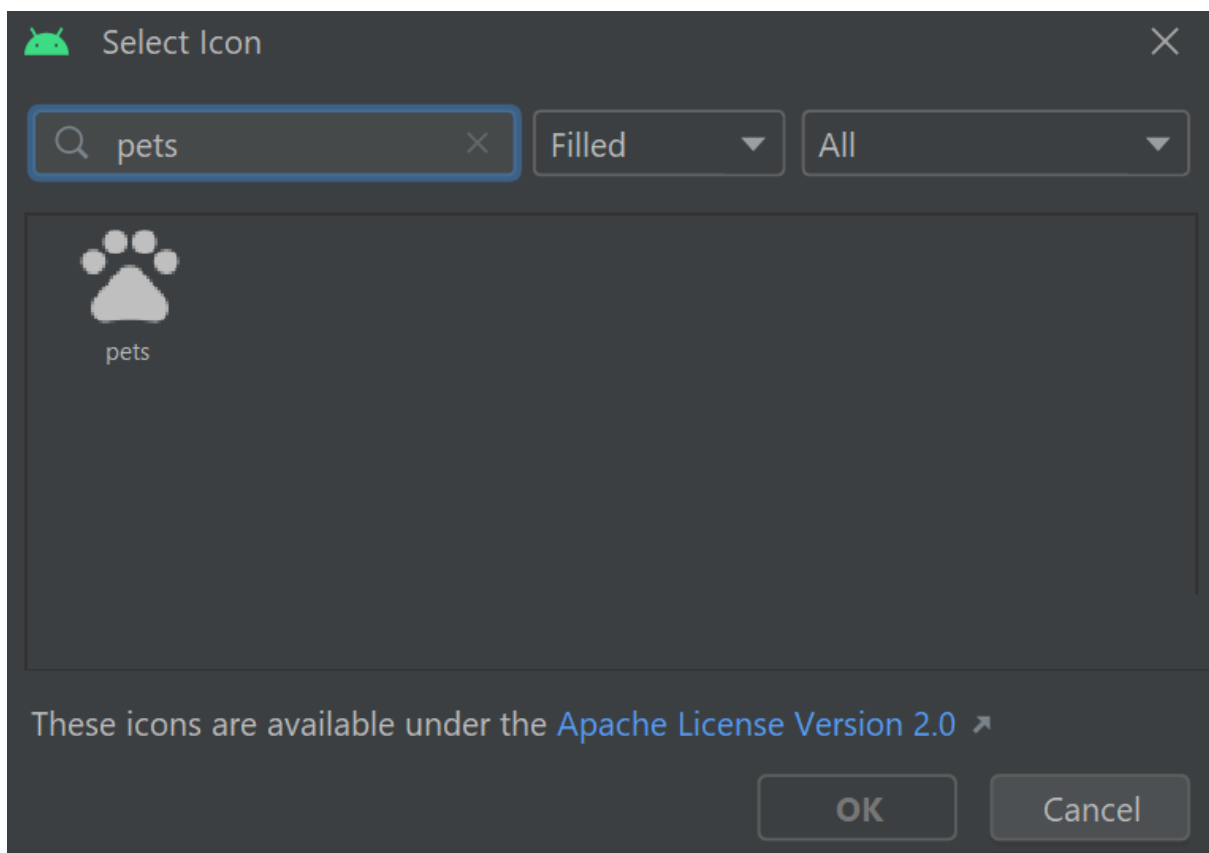
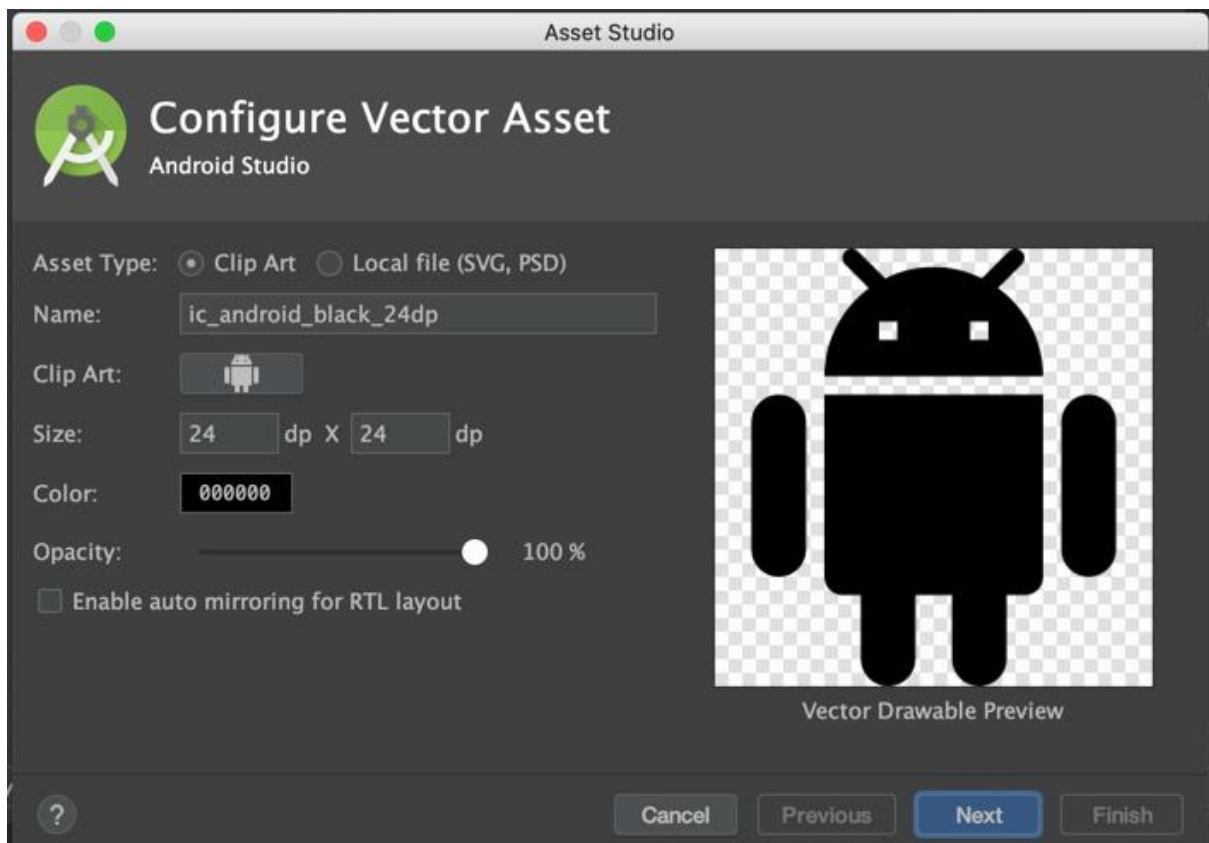
All

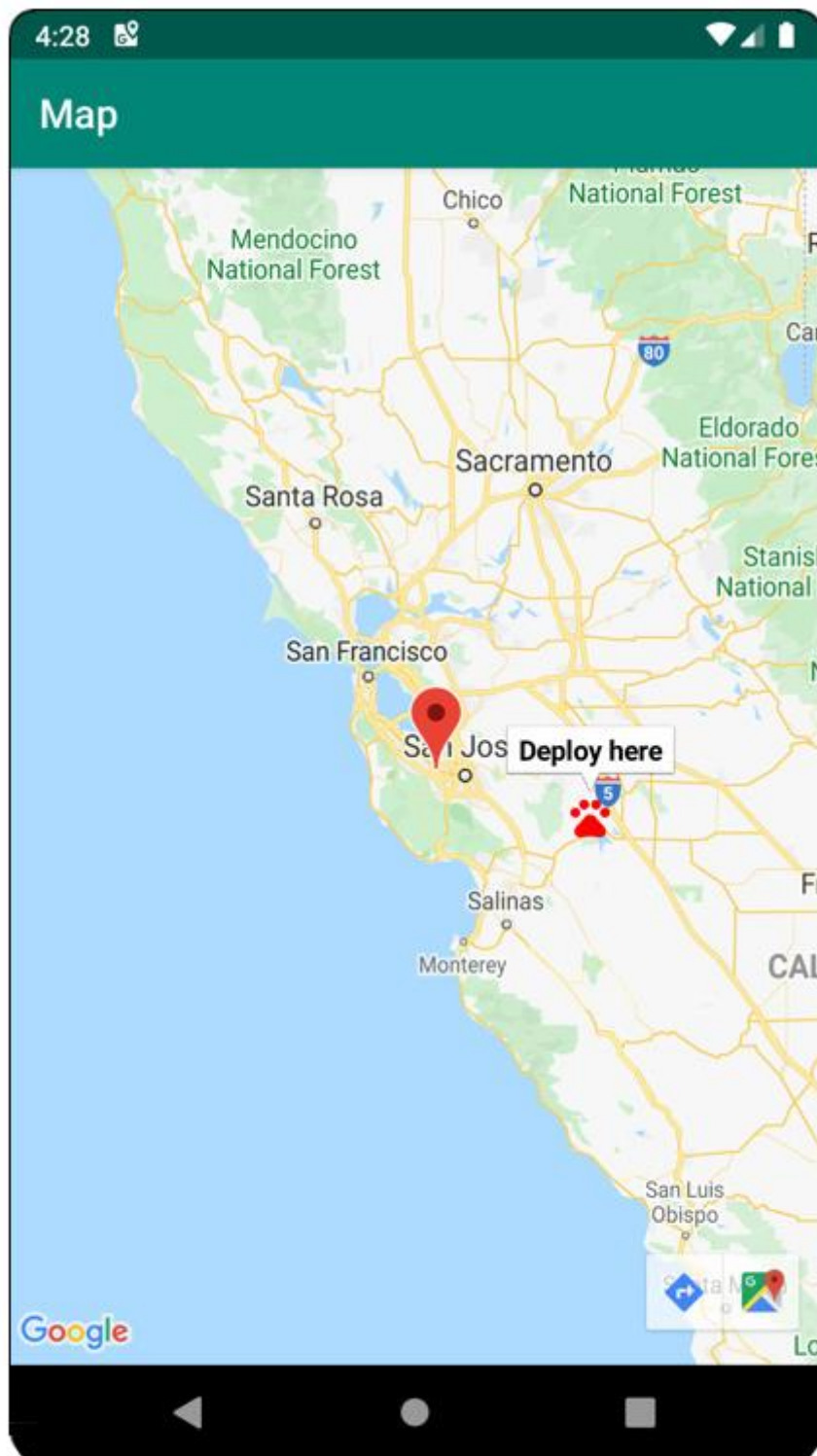


These icons are available under the [Apache License Version 2.0](#)

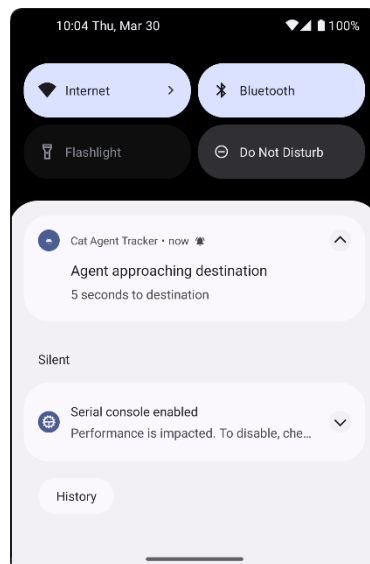
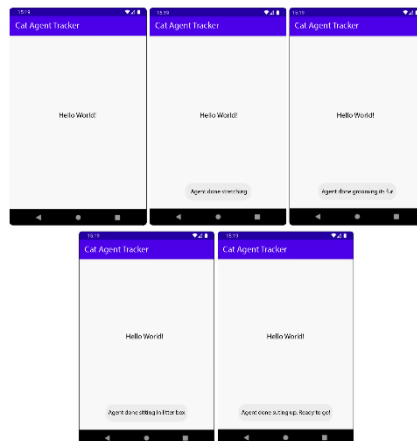
OK

Cancel

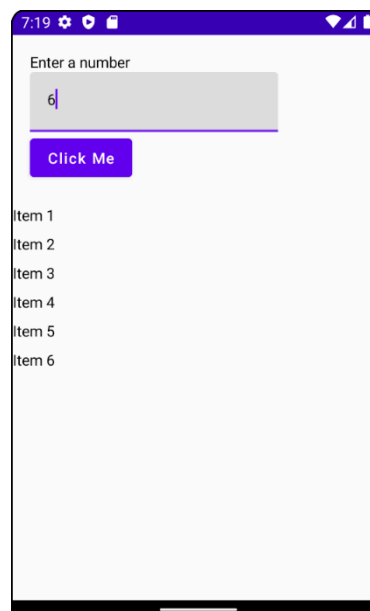
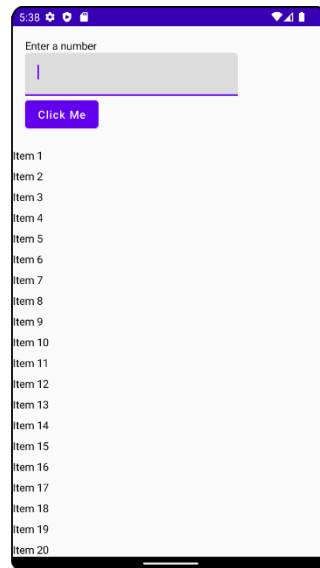


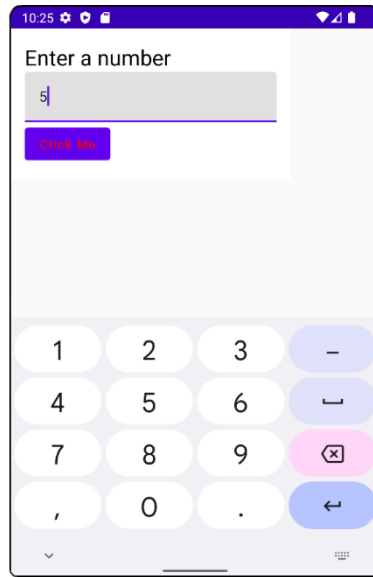
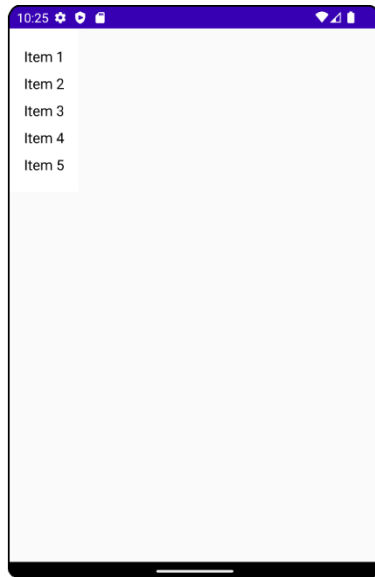


Chapter 08: Services, WorkManager, and Notifications

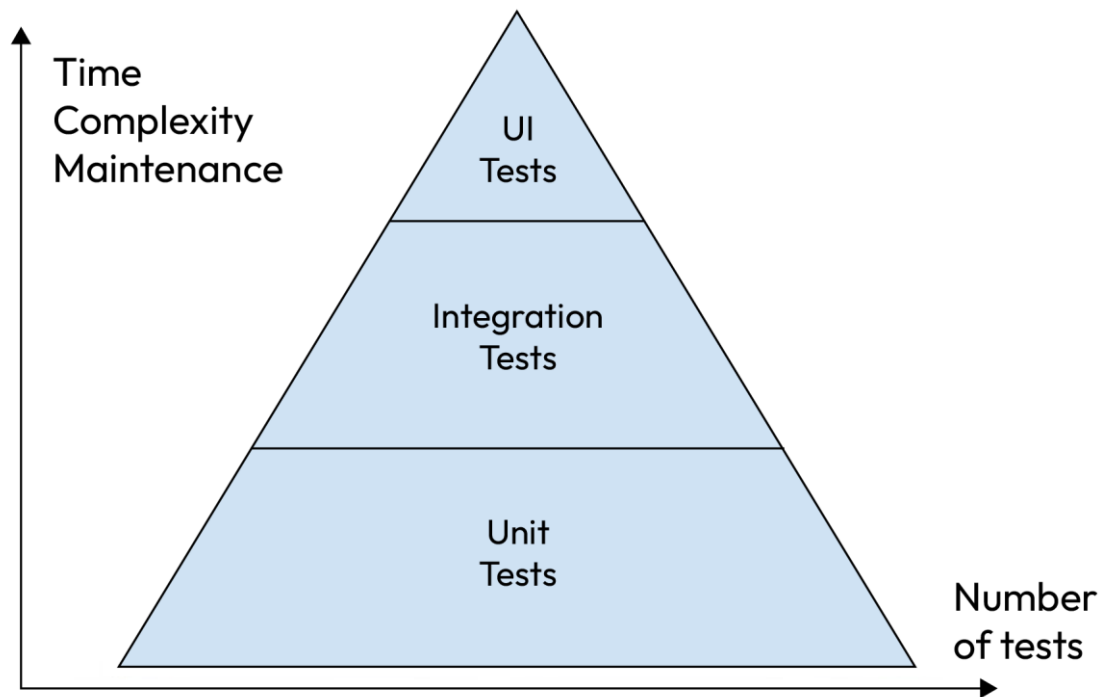


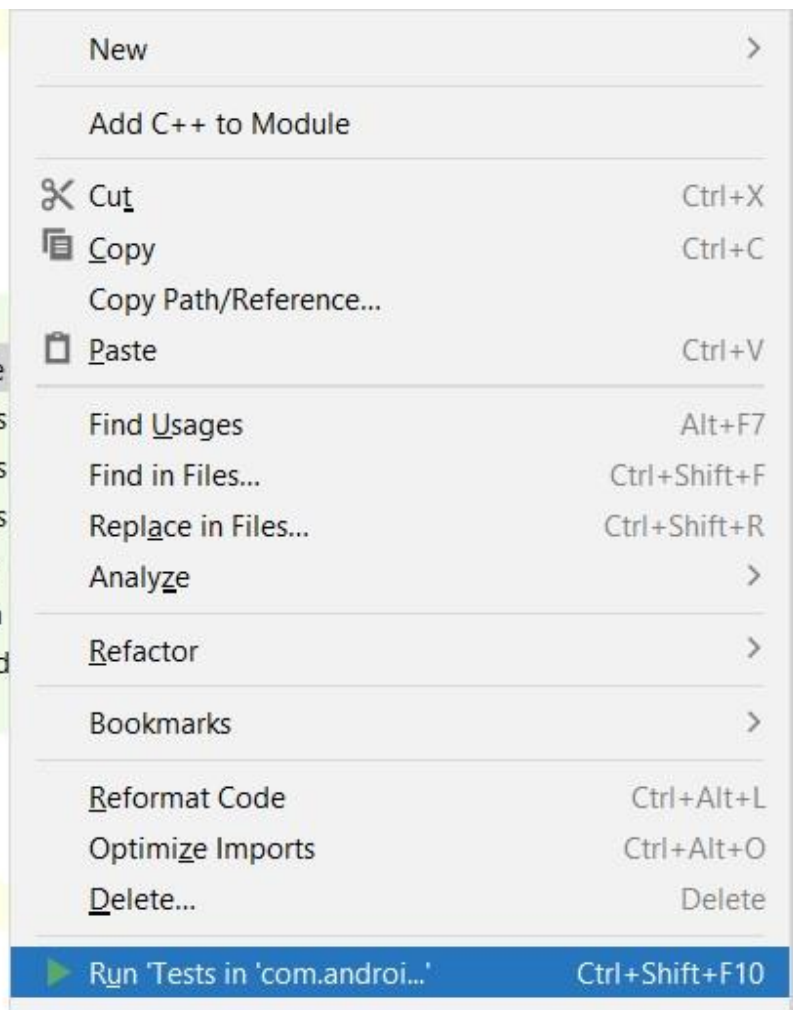
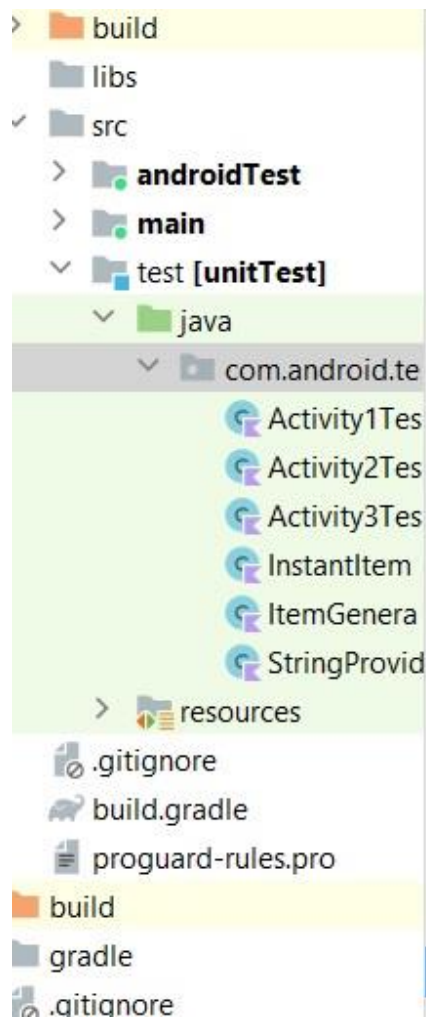
Chapter 09: Building User Interfaces Using Jetpack Compose





Chapter 10: Unit Tests and Integration Tests with JUnit, Mockito, and Espresso





```
































2   @RunWith(MockitoJUnitRunner::class)
3   class StringProviderTest {
4
5       @InjectMocks
6       lateinit var stringProvider: StringProvider
7
8       @Mock
9       lateinit var context: Context
10
11      @Test
12      fun provideItemString() {
13          val number = 5
14          val expected = "expected"
15          whenever("Item {5}").thenReturn(expected)
16
17          val result = stringProvider.provideItemString(number)
18
19          assertEquals(expected, result)
20      }

```

Run: MyClassTest x		
	✓ Test Results	6 ms
	✓ com.android.testable.myapplication.MyClassTest	6 ms
	✓ computesFactorial[0]	6 ms
	✓ computesFactorial[1]	0 ms
	✓ computesFactorial[2]	0 ms
	✓ computesFactorial[3]	0 ms
	✓ computesFactorial[4]	0 ms
	✓ computesFactorial[5]	0 ms
	✓ computesFactorial[6]	0 ms
	✓ computesFactorial[7]	0 ms

Coverage: MyClassTest ×				⚙	—
83% classes, 80% lines covered in package 'com.android.testable.myapplication'					
Element	Class, %	Method, %	Line, %		
BuildConfig	0% (0/1)	0% (0/1)	0% (0/1)		
MyClass	100% (1/1)	100% (2/2)	83% (5/6)		



- ▼  My Application
 - ▼  Tasks
 - >  android
 - >  build
 - >  build setup
 - >  help
 - >  install
 - >  other
 - ▼  verification
 -  check
 -  checkJetifier
 -  connectedAndroidTest
 -  connectedCheck
 -  connectedDebugAndroidTest
 -  deviceAndroidTest
 -  deviceCheck
 -  lint
 -  lintAnalyzeDebug
 -  lintAnalyzeRelease
 -  lintDebug
 -  lintFix
 -  lintFixDebug
 -  lintFixRelease
 -  lintRelease
 -  lintReportDebug
 -  lintReportRelease
 -  lintVitalAnalyzeRelease
 -  lintVitalRelease
 -  lintVitalReportRelease
 -  test
 -  testDebugUnitTest

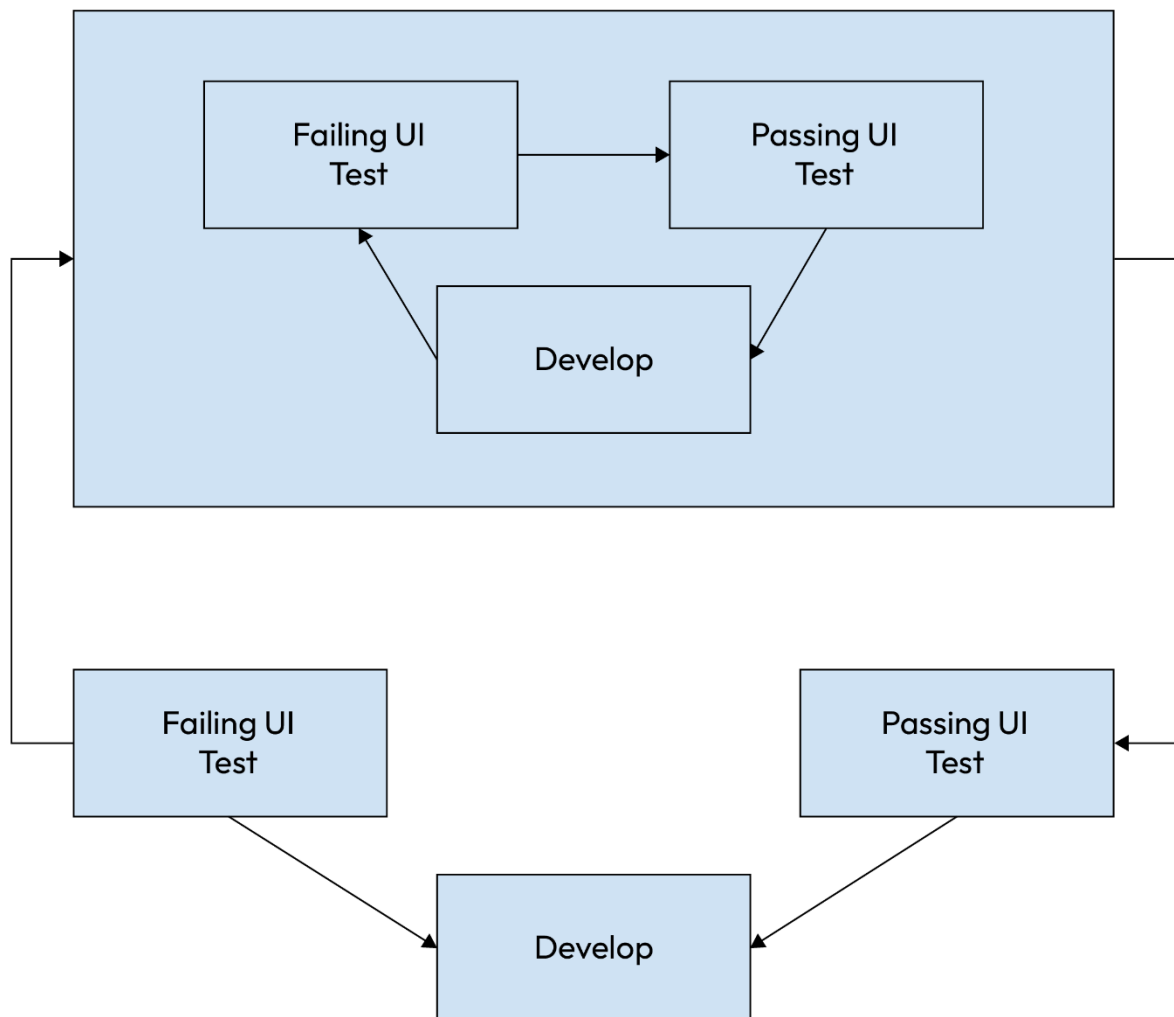
Run: Tests in 'com.android.testable.myapplication' x		
✓ Test Results		181 ms
✓ com.android.testable.myapplication.NumberAdderErrorHandlingTest		156 ms
✓ sum		156 ms
✓ com.android.testable.myapplication.NumberAdderParameterTest		25 ms
✓ sum[0]		20 ms
✓ sum[1]		1 ms
✓ sum[2]		1 ms
✓ sum[3]		2 ms
✓ sum[4]		1 ms

Run: Tests in 'com.android.testable.myapplication' x		
✓ Test Results		13 sec 875 ms
✓ com.android.testable.myapplication.MainActivityTest		12 sec 663 ms
✓ show error in text view		12 sec 346 ms
✓ show sum result in text view		317 ms
✓ com.android.testable.myapplication.NumberAdderErrorHandlingTest		406 ms
✓ sum		406 ms
✓ com.android.testable.myapplication.NumberAdderParameterTest		60 ms
✓ sum[0]		53 ms
✓ sum[1]		2 ms
✓ sum[2]		1 ms
✓ sum[3]		1 ms
✓ sum[4]		3 ms
✓ com.android.testable.myapplication.TextFormatterTest		746 ms
✓ getSumResult_error		736 ms
✓ getSumResult_success		10 ms

Run: MainActivityUITest x		
Status	2 passed 2 tests, 24 s 161 ms	
Filter tests:		
Tests	Duration	Pixel_2_API_32
✓ Test Results	3 s	2/2
✓ MainActivityUITest	3 s	2/2
✓ showErrorInTextView	2 s	✓
✓ showSumResultInTextView	1 s	✓

Run: FlowTest ×

Status	1 passed	1 tests, 46 s 944 ms
Filter tests:		
Tests	Duration	Pixel_2_API_32
✓ Test Results	4 s	1/1
✓ FlowTest	4 s	1/1
✓ verifyFlow	4 s	✓

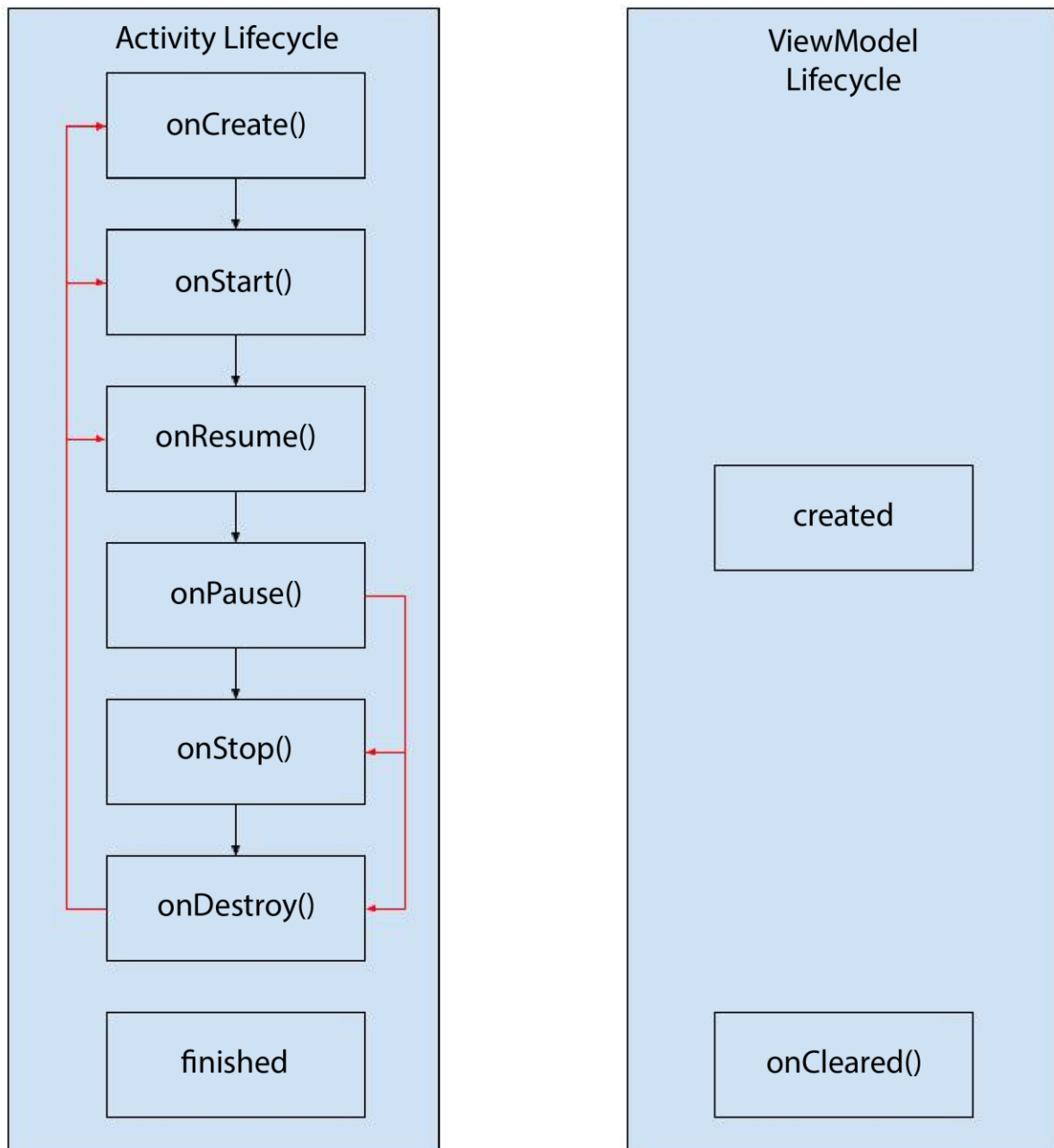


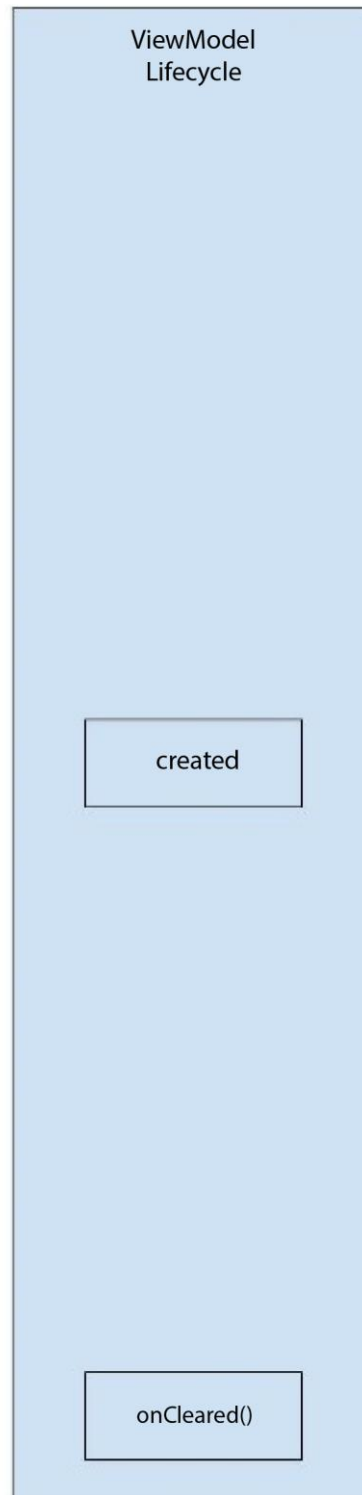
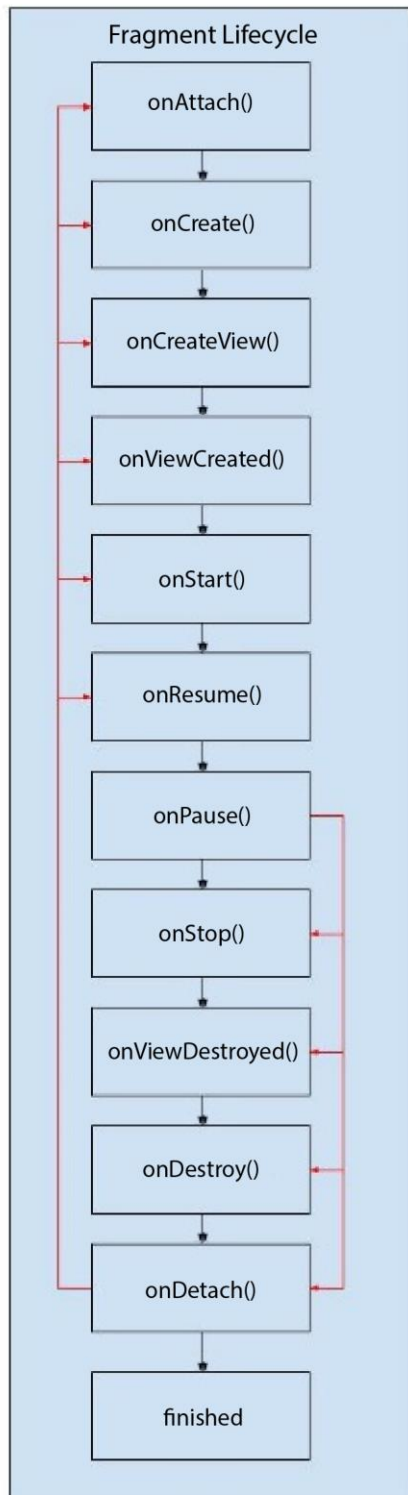
Run:	AdderTest (1) ×	
	Test Results	29 m
	com.android.testable.myapplication.AdderTest	29 m
	sumError	28 m
	sumSuccess	1 m

Run:	AdderTest (1) ×	
	Test Results	2 sec 354 ms
	com.android.testable.myapplication.AdderTest	2 sec 354 ms
	sumError	18 ms
	sumSuccess	2 sec 336 ms

Run:	AdderTest (1) ×	
	Test Results	3 ms
	com.android.testable.myapplication.AdderTest	3 ms
	sumError	3 ms
	sumSuccess	0 ms

Chapter 11: Android Architecture Components





7:40

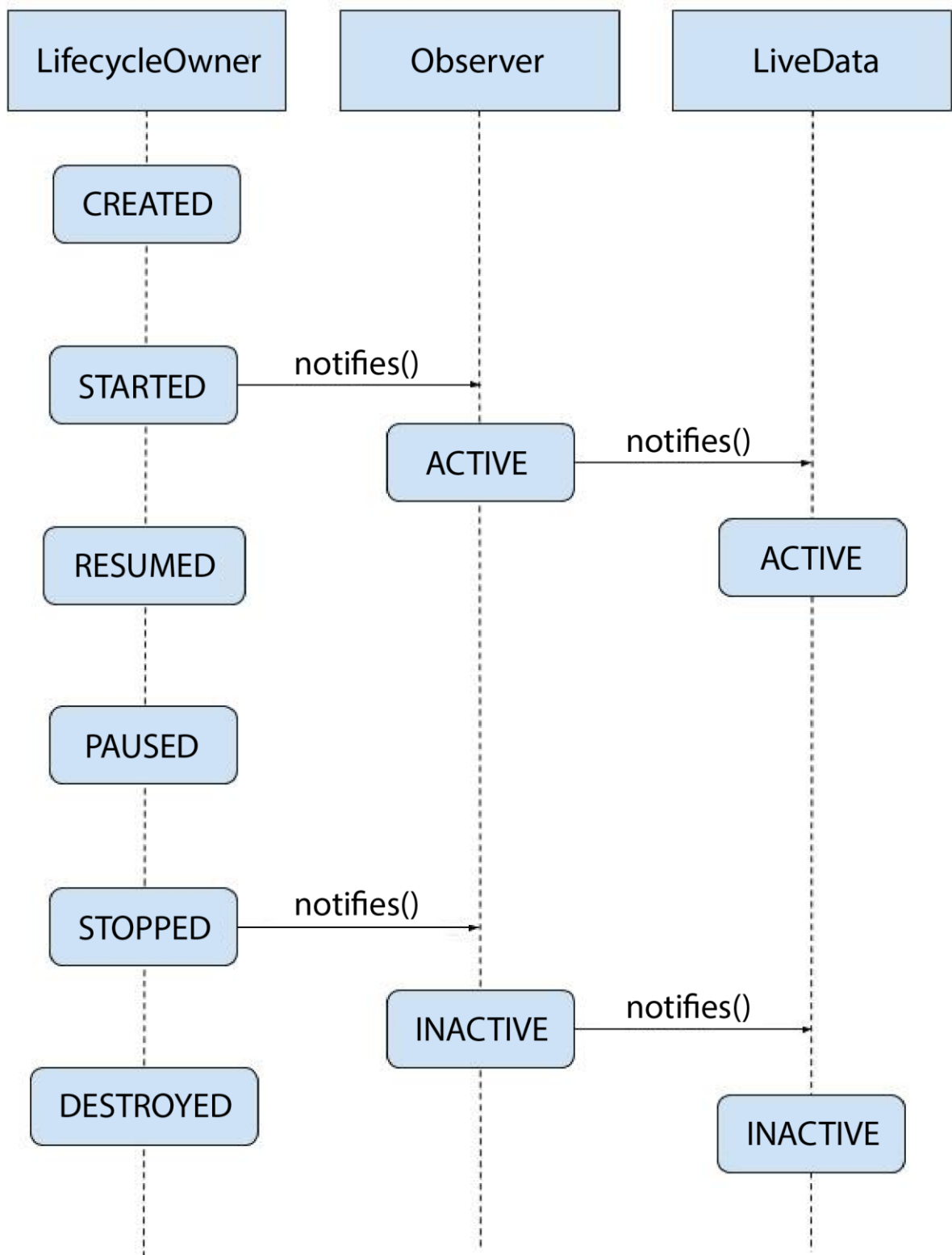


My Application

PRESS ME

Total 4

Total 0



8:12

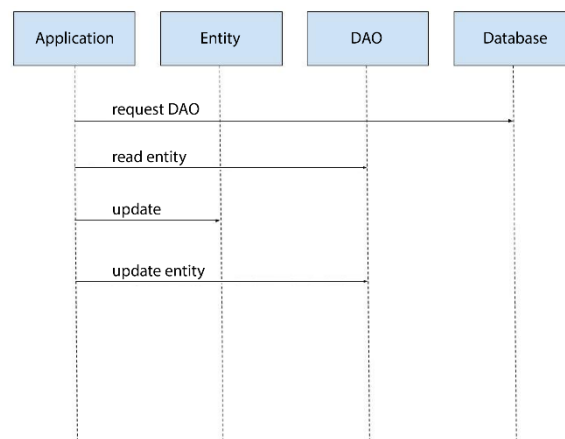
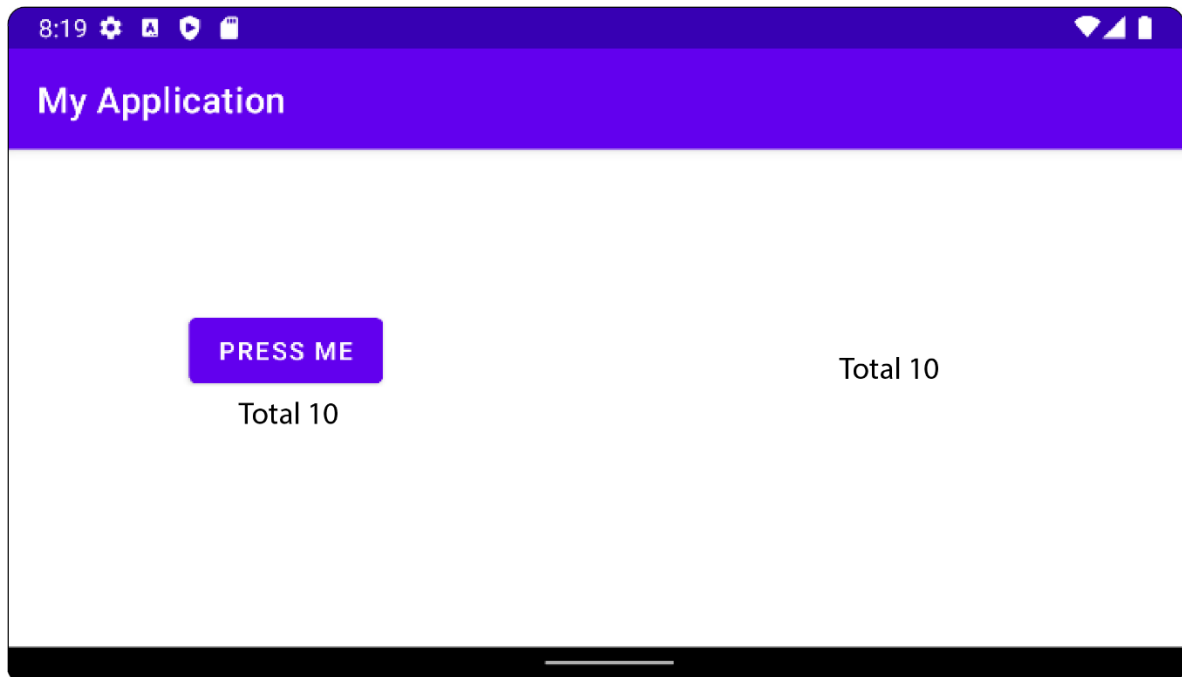


My Application

PRESS ME

Total 10

Total 10



Java/Kotlin	SQLite
String	TEXT
Byte, Short, Integer, Long, Boolean	INTEGER
Double, Float	REAL
Array<Byte>	BLOB

Total 4

ADD NOTE

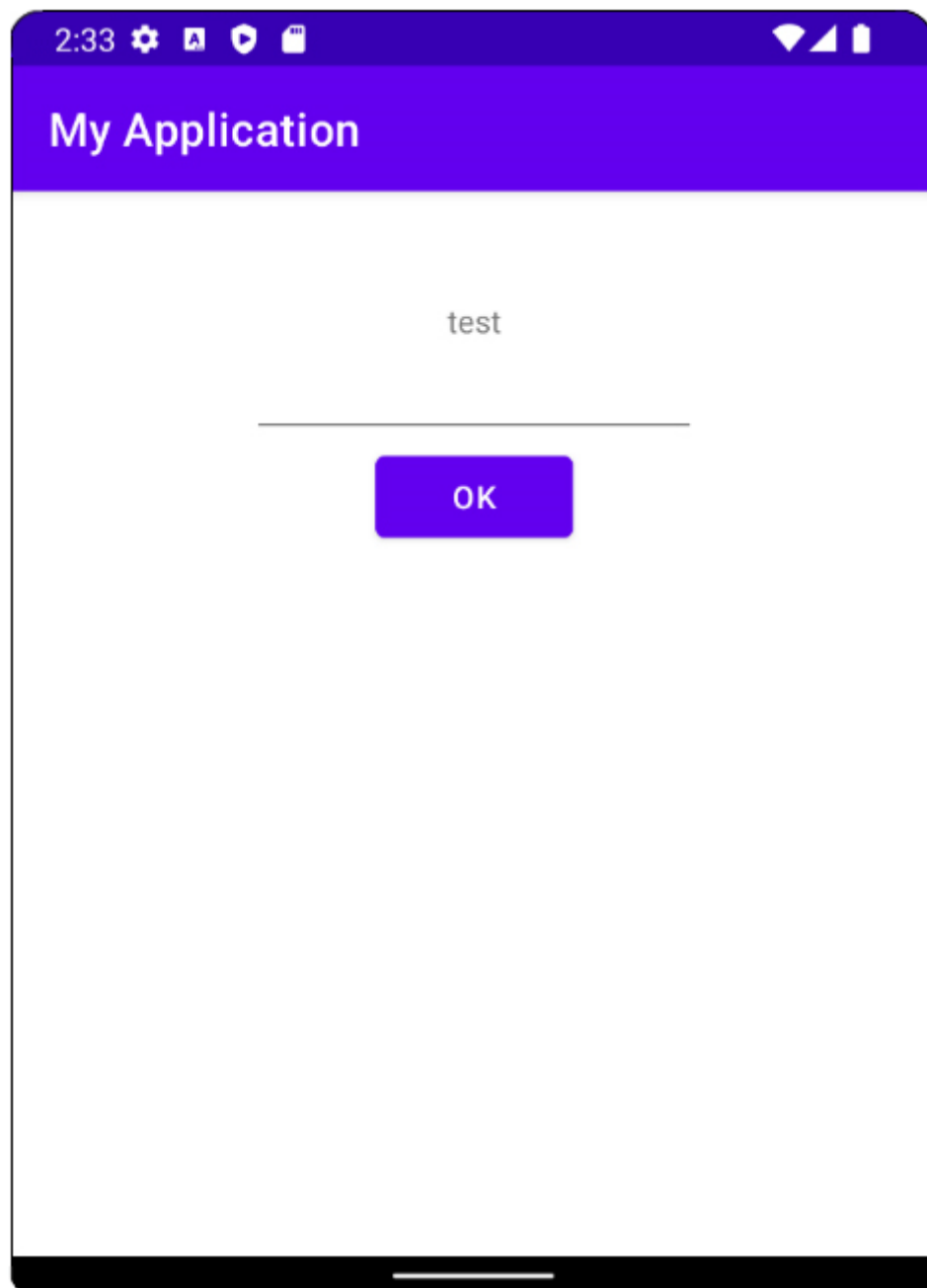
Note 1

Note 2

Note 3

Note 4

Chapter 12: Persisting Data



3:01



My Application

test

test

OK

Device File Explorer				
Emulator Nexus_5X_API_25 Android 7.1.1, API 25				
Name	Permissions	Date	Size	
▶ com.android.smoketest.tests	drwxr-x--x	2019-12-01 11:57	4 KB	
▶ com.android.statementservice	drwx-----	2019-12-01 11:57	4 KB	
▶ com.android.storagemanager	drwx-----	2019-12-01 11:57	4 KB	
▶ com.android.systemui	drwx-----	2019-12-01 11:57	4 KB	
▶ com.android.testable.camera	drwx-----	2019-12-16 20:25	4 KB	
▶ com.android.testable.files	drwx-----	2019-12-01 11:57	4 KB	
▶ com.android.testable.myapplic	drwx-----	2020-02-09 20:30	4 KB	
▶ com.android.testable.myapplic	drwx-----	2020-01-20 22:39	4 KB	
▶ com.android.testable.randoma	drwx-----	2020-06-07 00:36	4 KB	
▶ com.android.testable.remote_n	drwx-----	2019-12-01 22:07	4 KB	
▼ com.android.testable.sharedpre	drwx-----	2020-06-03 18:10	4 KB	
cache	drwxrwx--x	2020-06-03 18:10	4 KB	
code_cache	drwxrwx--x	2020-06-03 18:10	4 KB	
▼ shared_prefs	drwxrwx--x	2020-06-03 18:10	4 KB	
prefs.xml	-rw-rw----	2020-06-03 18:10	112 B	
▶ com.android.testable.viewmod	drwx-----	2019-12-01 14:26	4 KB	
▶ com.android.vending	drwx-----	2019-12-01 11:57	4 KB	
▶ com.android.vpndialogs	drwx-----	2019-12-01 11:57	4 KB	
▶ com.android.wallpaper.livepick	drwx-----	2019-12-01 11:57	4 KB	
▶ com.android.wallpaperbackup	drwx-----	2019-12-01 17:57	4 KB	

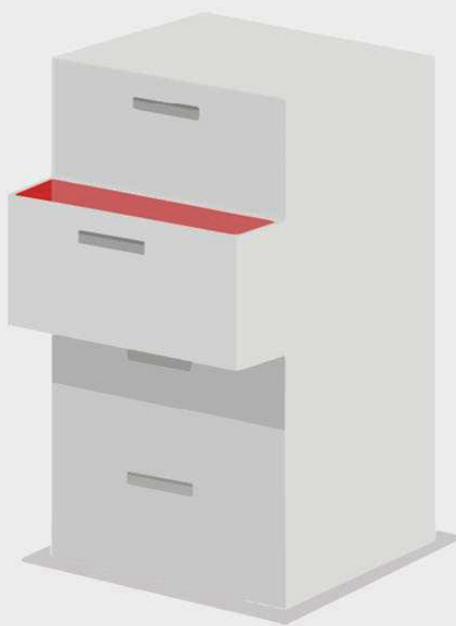
Device File Explorer			
Emulator Nexus_5X_API_25 Android 7.1.1, API 25			
Name	Pe...	Date	Size
▶ proc	dr-xr	2019-12-01 17:56	0 B
▶ root	drwx	2017-05-19 19:57	0 B
▶ sbin	drwx	1970-01-01 01:00	0 B
▶ sdcard	lrwxr	1970-01-01 01:00	21 B
▼ storage	drwx	2019-12-01 17:57	100 B
▶ 1B11-2206	drwx	1970-01-01 01:00	512 B
▼ emulated	drwx	2019-12-01 11:57	4 KB
▼ 0	drwx	2020-01-20 19:45	4 KB
▶ Alarms	drwx	2019-12-01 11:57	4 KB
▼ Android	drwx	2019-12-01 11:58	4 KB
▼ data	drwx	2019-12-16 21:53	4 KB
▶ com.android.gallery3d	drwx	2019-12-01 17:59	4 KB
▶ com.android.testable.camer	drwx	2019-12-16 21:53	4 KB
▼ com.android.testable.files	drwx	2019-12-01 11:57	4 KB
▼ files	drwx	2019-12-01 12:10	4 KB
▼ docs	drwx	2019-12-01 12:10	4 KB
Copied.txt	-rw-r	2020-06-03 18:34	34 B
▶ com.android.testable.remot	drwx	2019-12-01 22:07	4 KB
▶ com.google.android.apps.d	drwx	2019-12-01 11:58	4 KB
▶ com.google.android.apps.m	drwx	2019-12-01 11:58	4 KB



1:27



Downloads



No items



Copied.txt

[SAVE](#)





10:46

Camera

PHOTO

VIDEO



Device File Explorer			
Emulator Nexus_5X_API_25 Android 7.1.1, API 25			
Name	Pe...	Date	Size
▼ storage	drwx	2019-12-01 17:57	100 B
▶ 1B11-2206	drwx	1970-01-01 01:00	512 B
▼ emulated	drwx	2019-12-01 11:57	4 KB
▼ 0	drwx	2020-01-20 19:45	4 KB
▶ Alarms	drwx	2019-12-01 11:57	4 KB
▼ Android	drwx	2019-12-01 11:58	4 KB
▼ data	drwx	2019-12-16 21:53	4 KB
▶ com.android.gallery3d	drwx	2019-12-01 17:59	4 KB
▼ com.android.testable.camer	drwx	2019-12-16 21:53	4 KB
▼ files	drwx	2019-12-16 22:09	4 KB
▼ Movies	drwx	2019-12-16 22:27	4 KB
video_1576535036	-rw-r	2019-12-16 22:24	439.3 K
video_1576535264	-rw-r	2019-12-16 22:27	465 KB
▼ Pictures	drwx	2019-12-16 22:26	4 KB
img_15765334510	-rw-r	2019-12-16 21:57	47.8 KB
img_15765341612	-rw-r	2019-12-16 22:09	46.3 KB
img_15765349972	-rw-r	2019-12-16 22:23	33.1 KB
img_15765352149	-rw-r	2019-12-16 22:26	33.3 KB
▶ com.android.testable.files	drwx	2019-12-01 11:57	4 KB
▶ com.android.testable.remote	drwx	2019-12-01 22:07	4 KB

11:53



Pictures



Images > Pictures



Large files



This week

IMAGES



img_160487962...

198 kB 11:53 PM

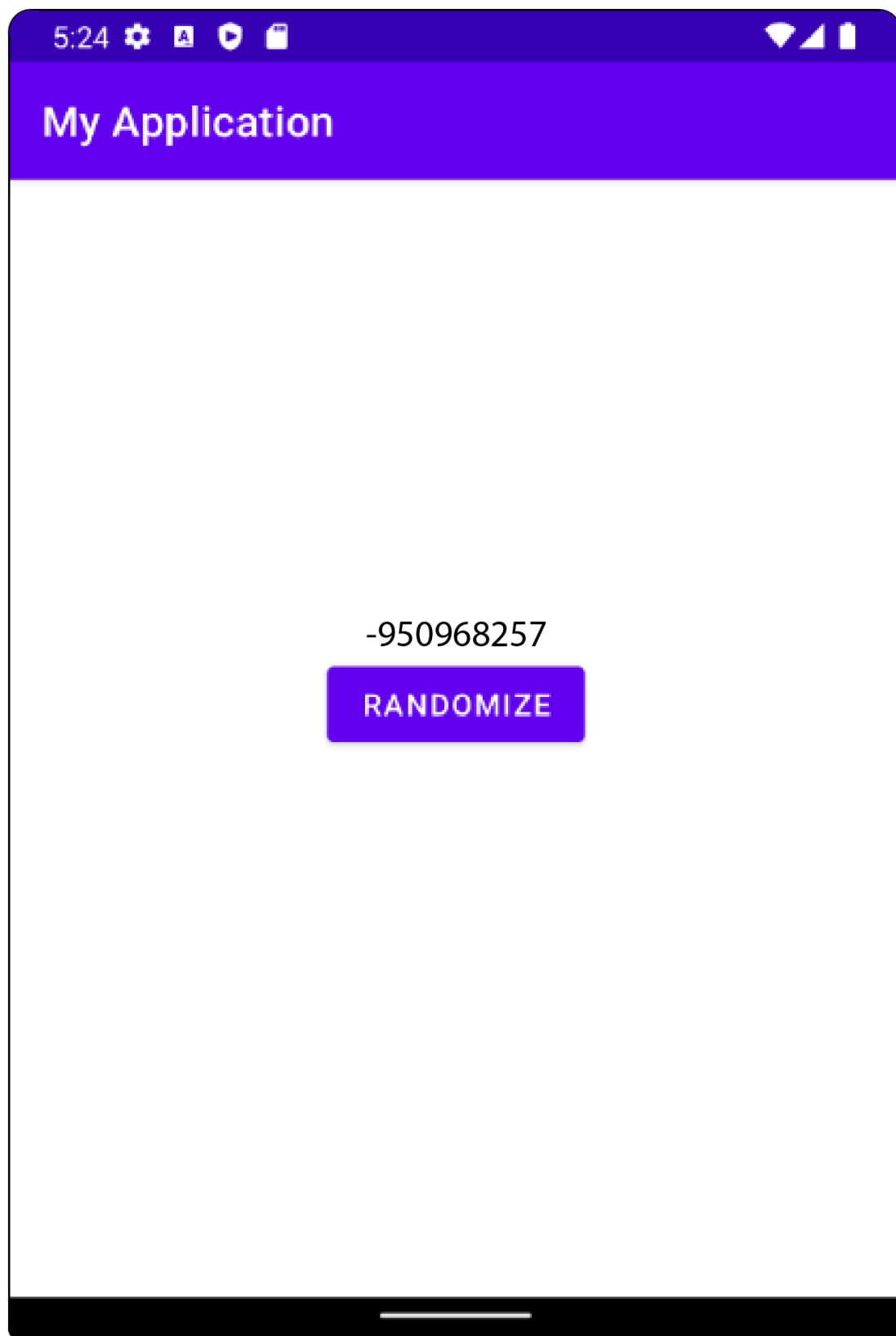


img_160487806...

198 kB 11:27 PM



Chapter 13: Dependency Injection with Dagger, Hilt, and Koin



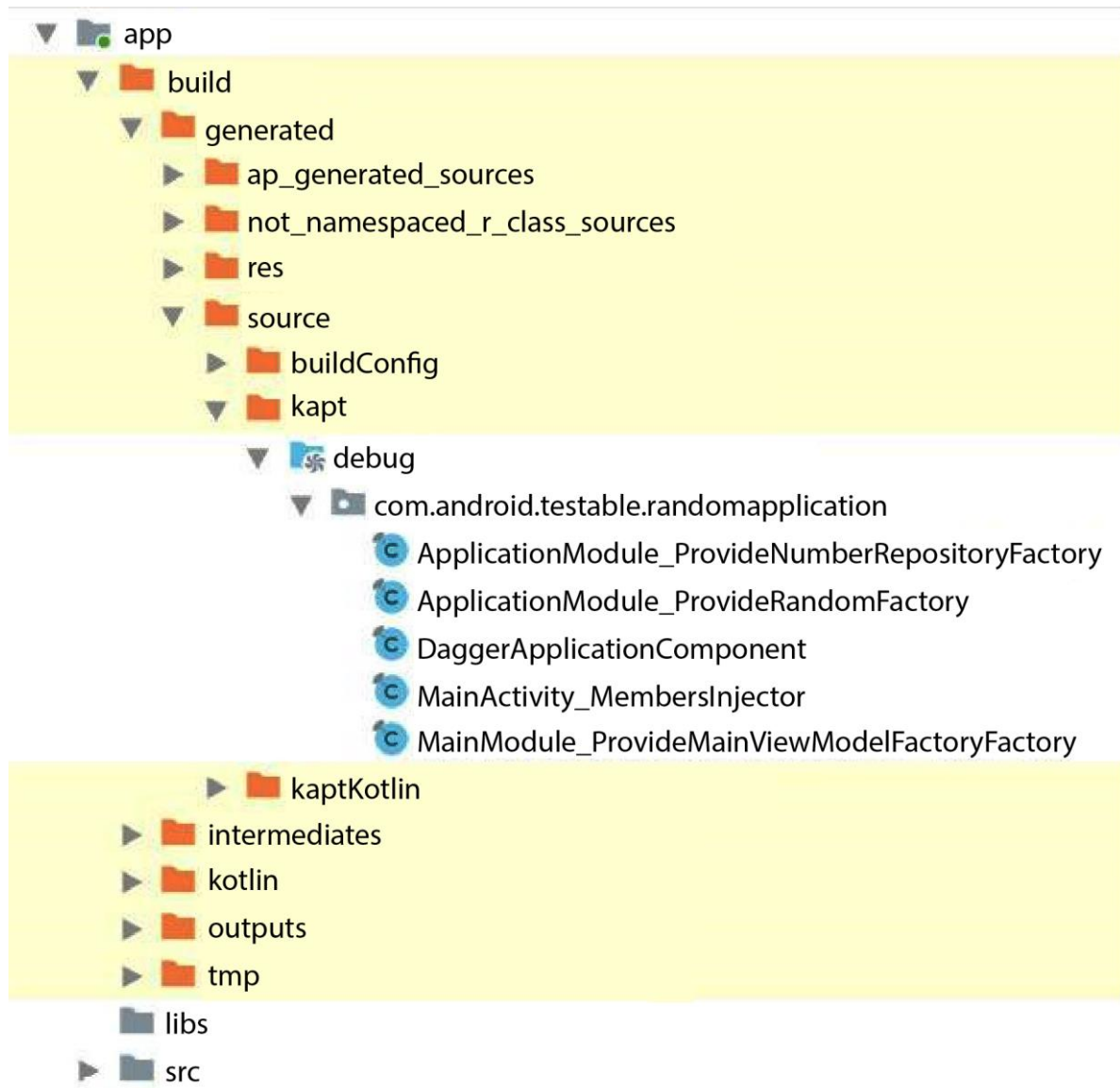
5:43



My Application

-475759599

RANDOMIZE



8:27



My Application

-564642357

RANDOMIZE

9:37

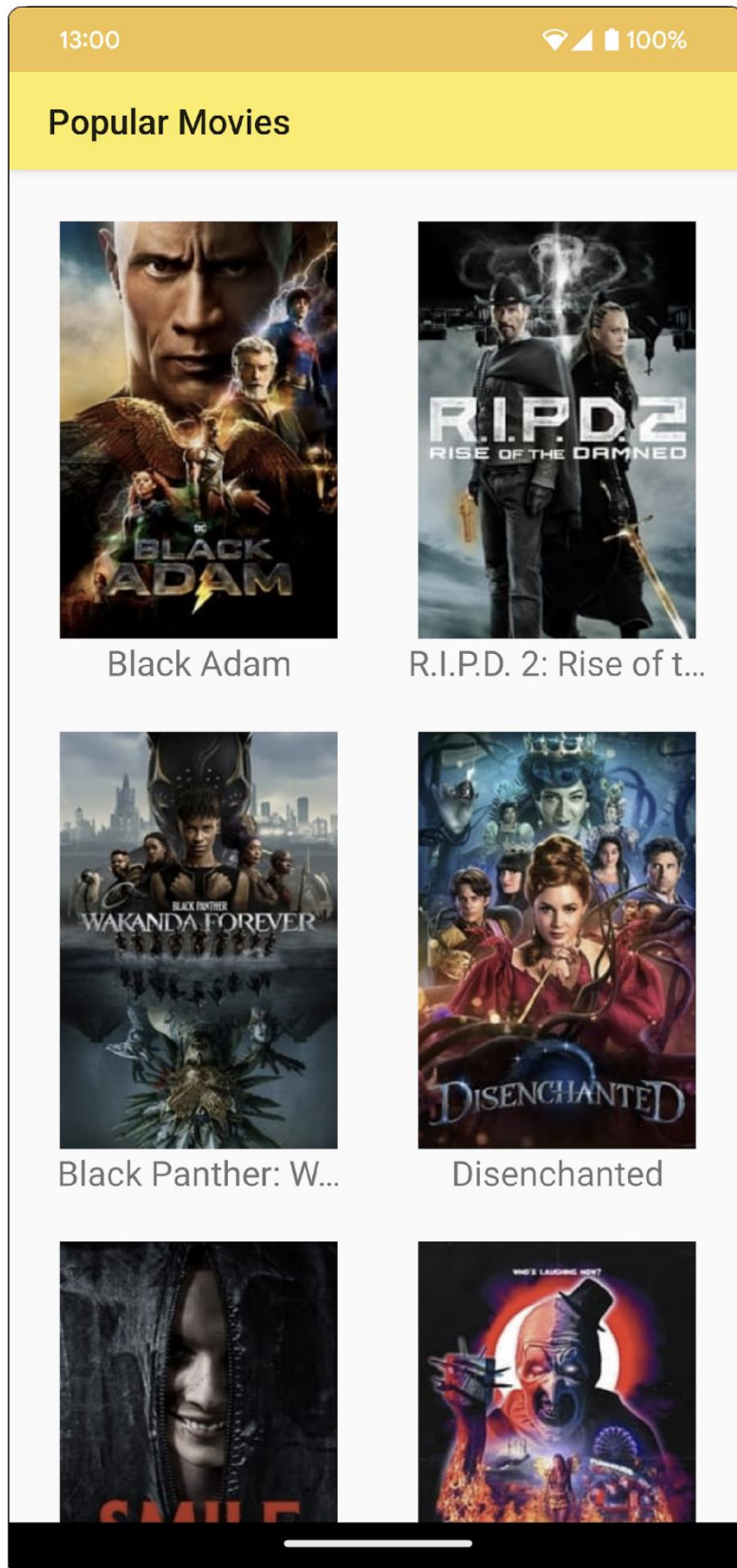


My Application

-89591225

RANDOMIZE

Chapter 14: Coroutines and Flow



13:00

100%



Popular Movies



Black Panther: Wakanda Forever 2022

Overview: Queen Ramonda, Shuri, M'Baku, Okoye and the Dora Milaje fight to protect their nation from intervening world powers in the wake of King T'Challa's death. As the Wakandans strive to embrace their next chapter, the heroes must band together with the help of War Dog Nakia and Everett Ross and forge a new path for the kingdom of Wakanda.

13:00

100%

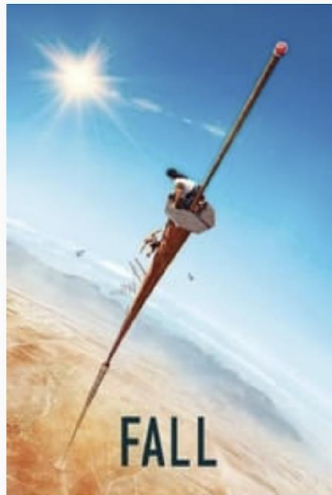
Popular Movies



Lost Bullet 2



Enola Holmes 2



Fall



On the Line



MexZombies



Margaux

13:00

100%

Popular Movies



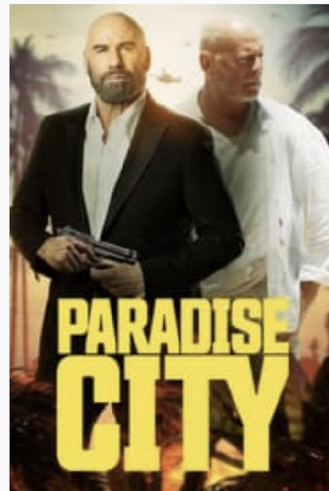
R.I.P.D. 2: Rise of t...



Black Panther: W...

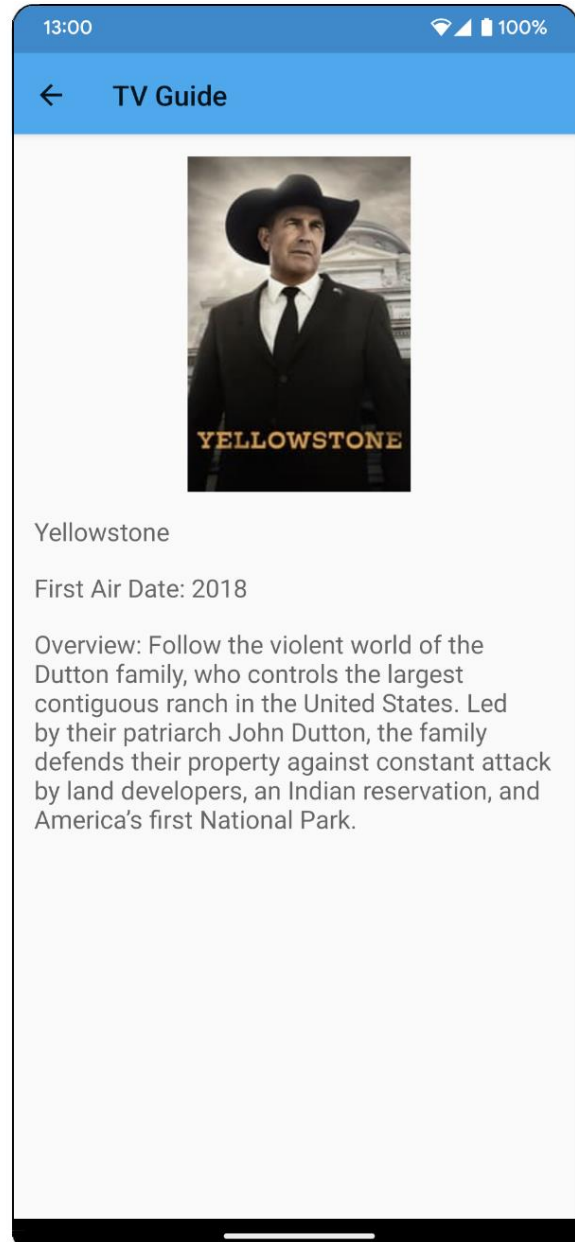
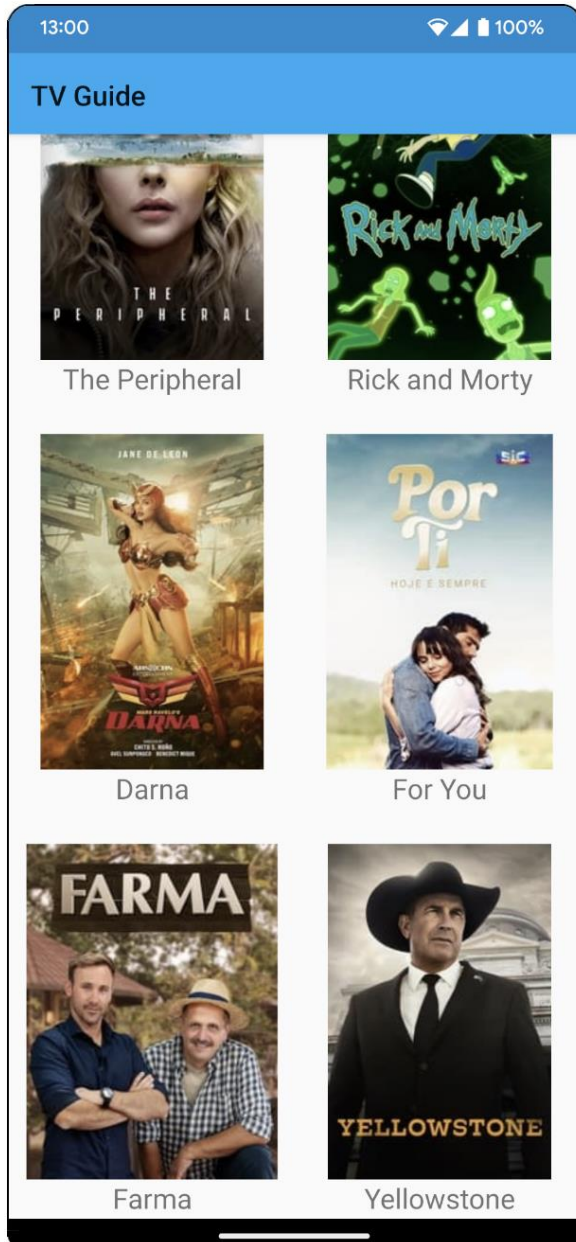


Disenchanted

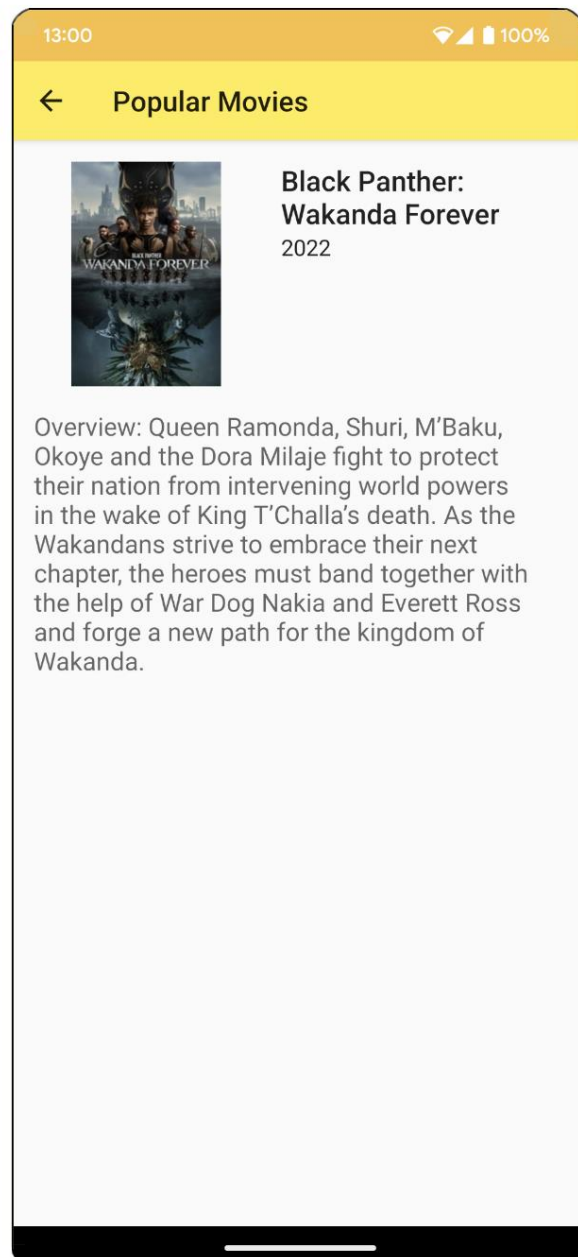
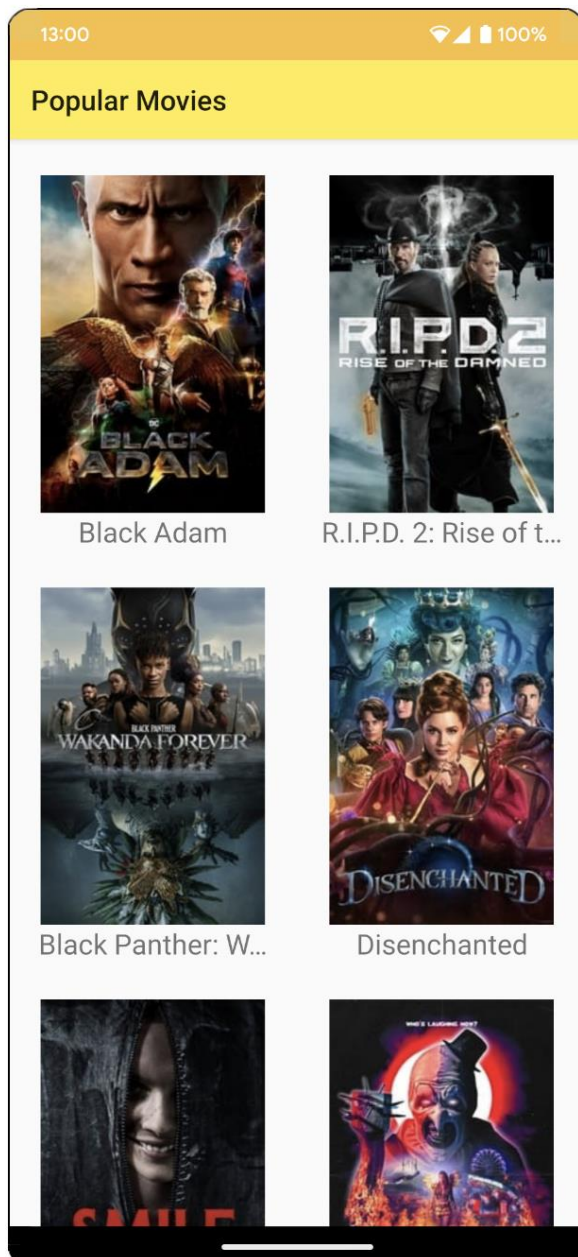
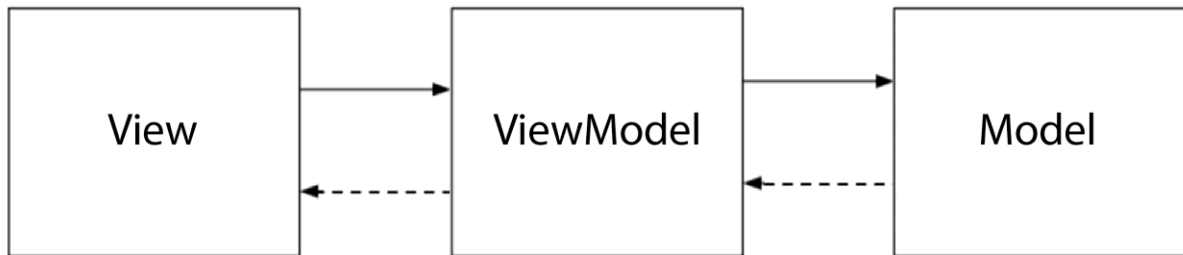


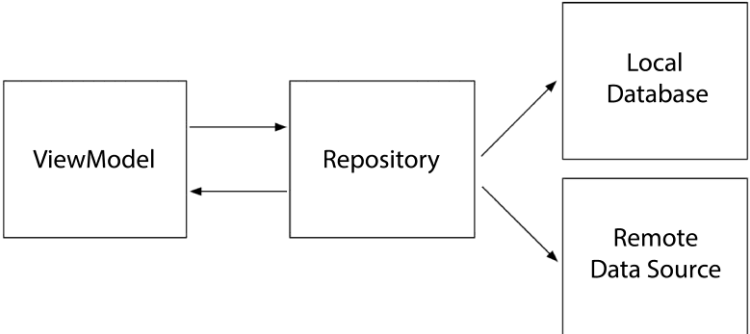
Paradise City





Chapter 15: Architecture Patterns





13:00

100%

Popular Movies



Black Adam



R.I.P.D. 2: Rise of t...

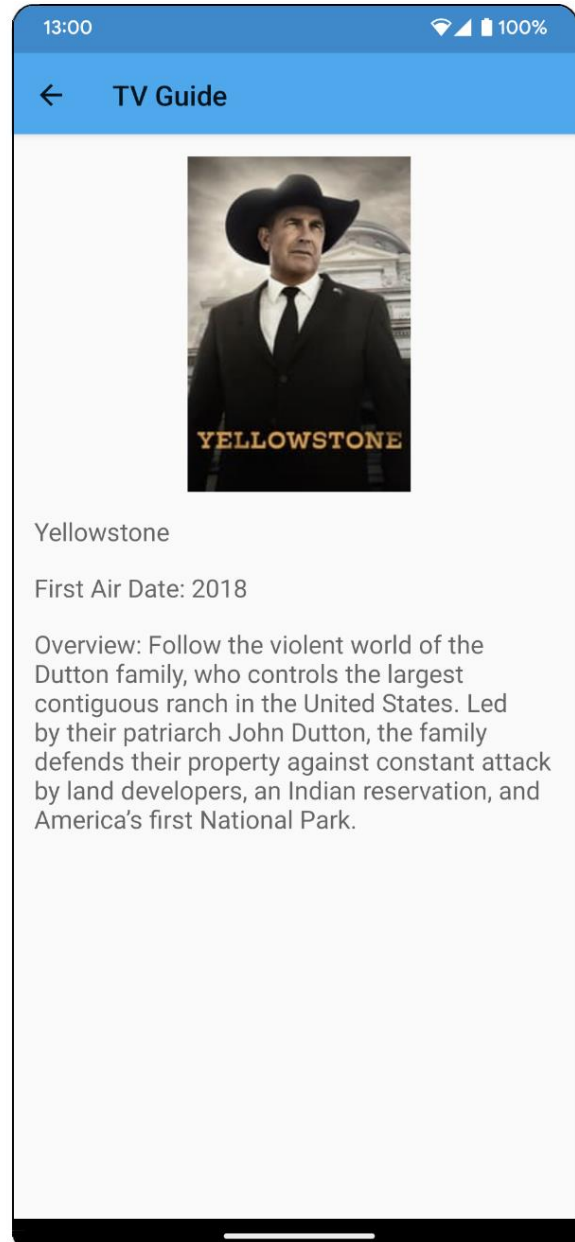
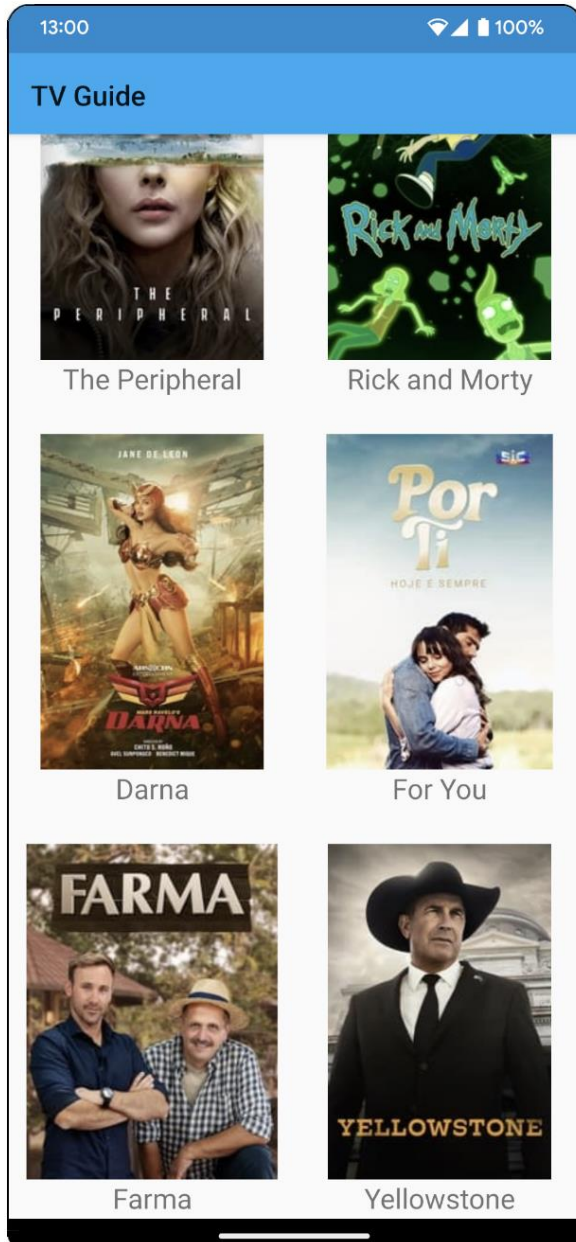


Black Panther: W...

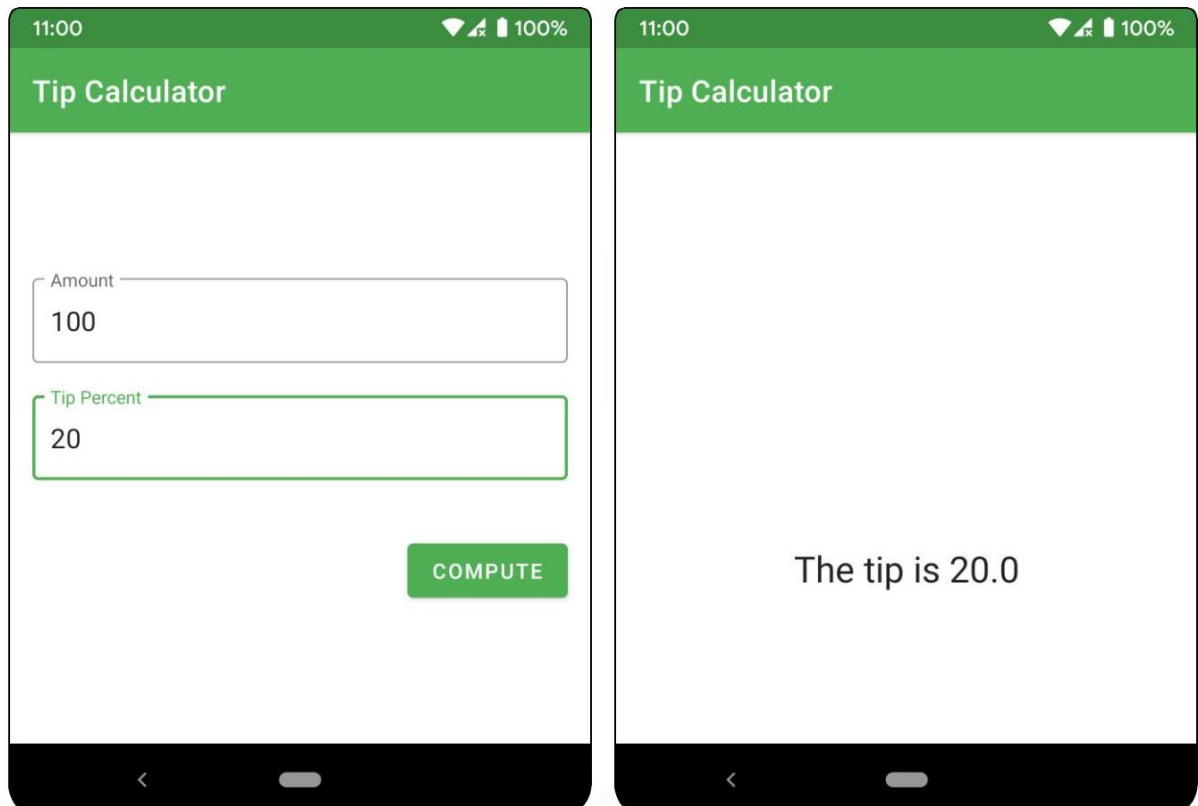


Disenchanted





Chapter 16: Animations and Transitions with CoordinatorLayout and MotionLayout



11:00

100%

Tip Calculator

Amount

100

Tip Percent

20

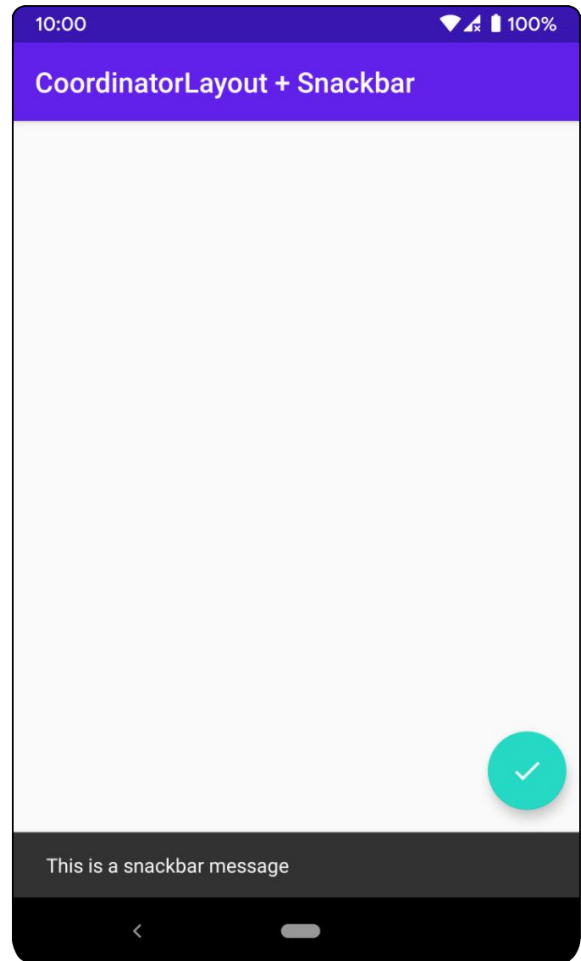
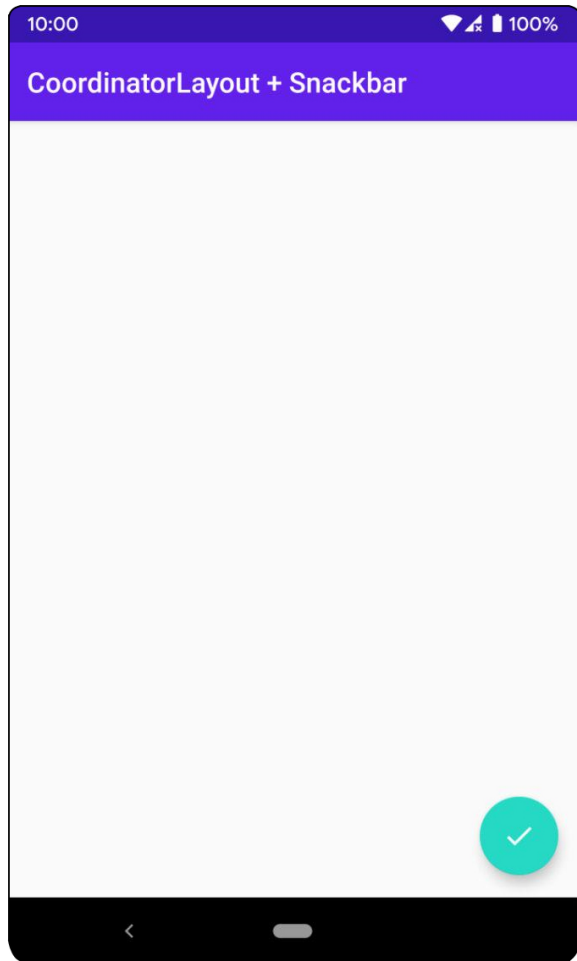
COMPUTE

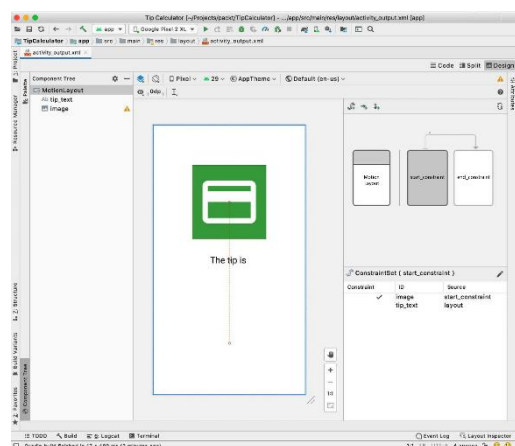
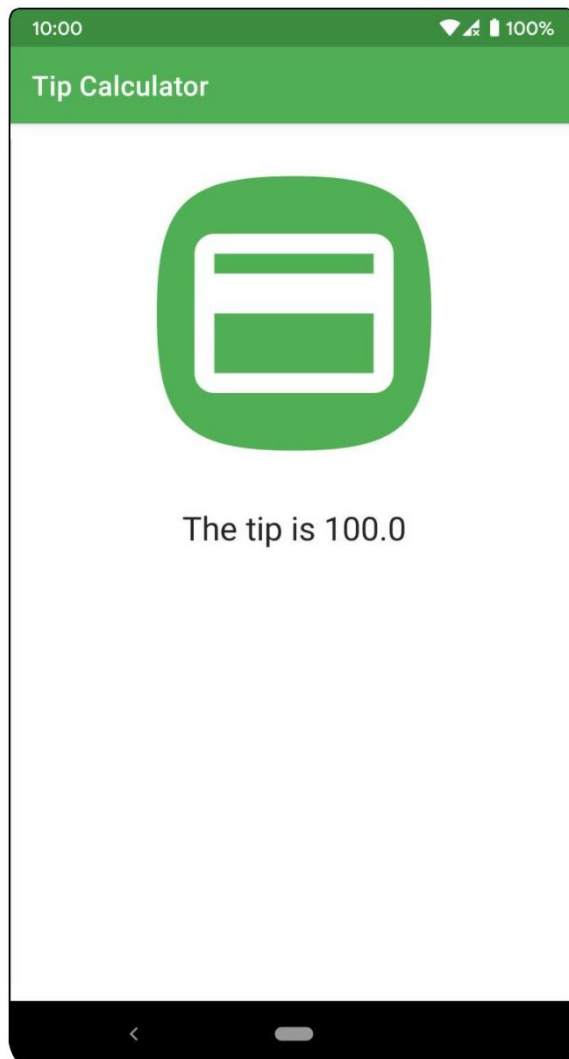
11:00

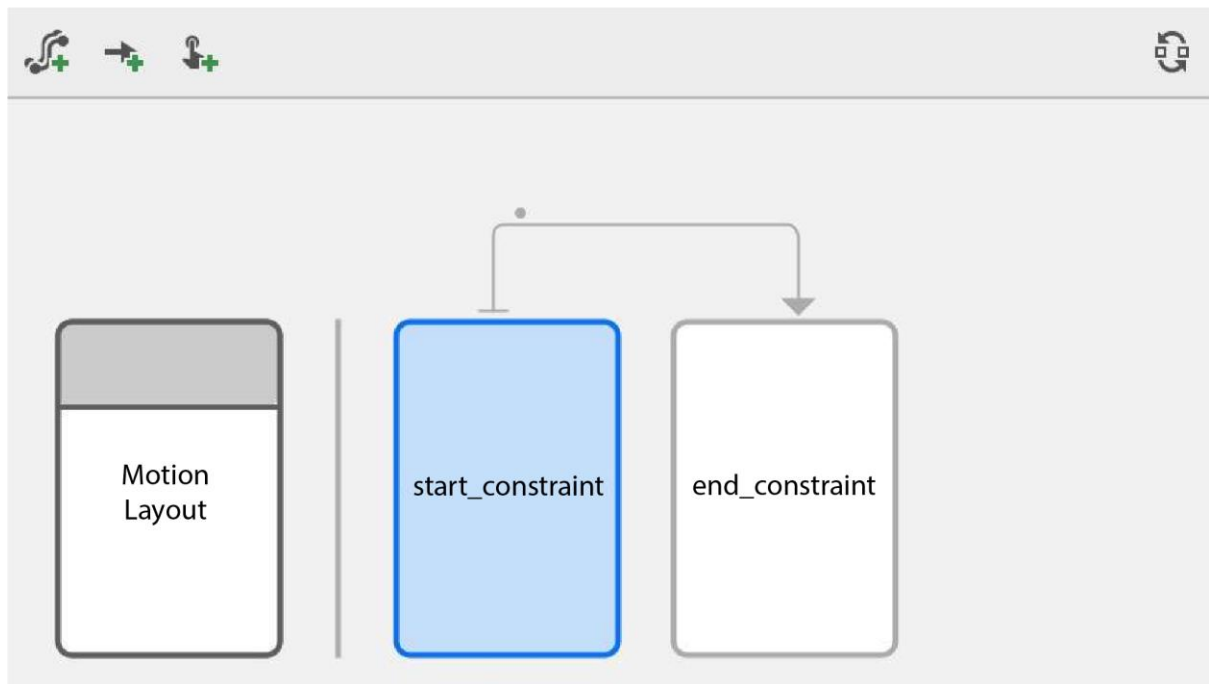
100%

Tip Calculator

The tip is 20.0

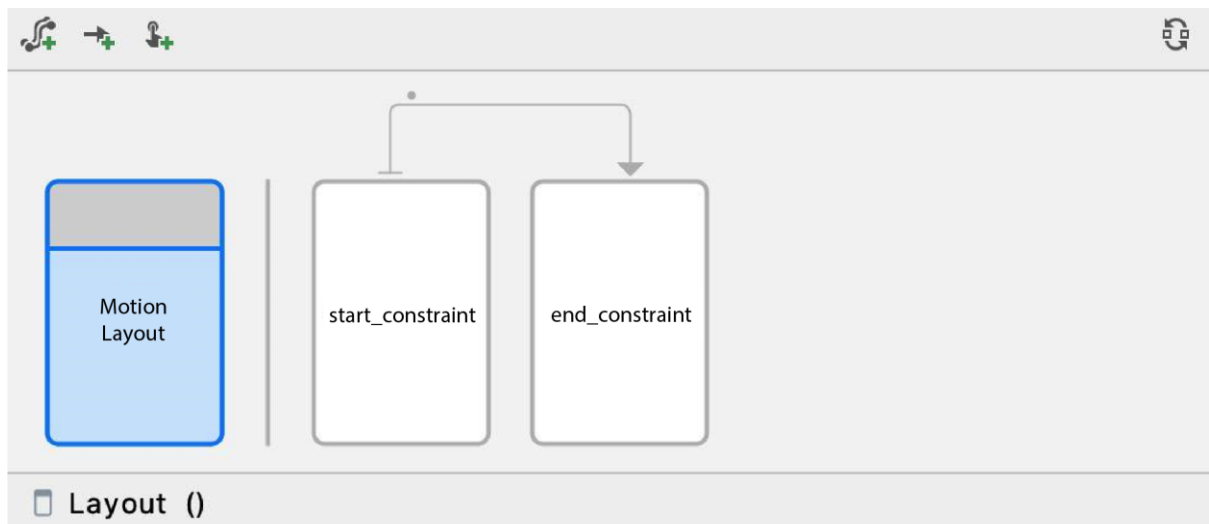






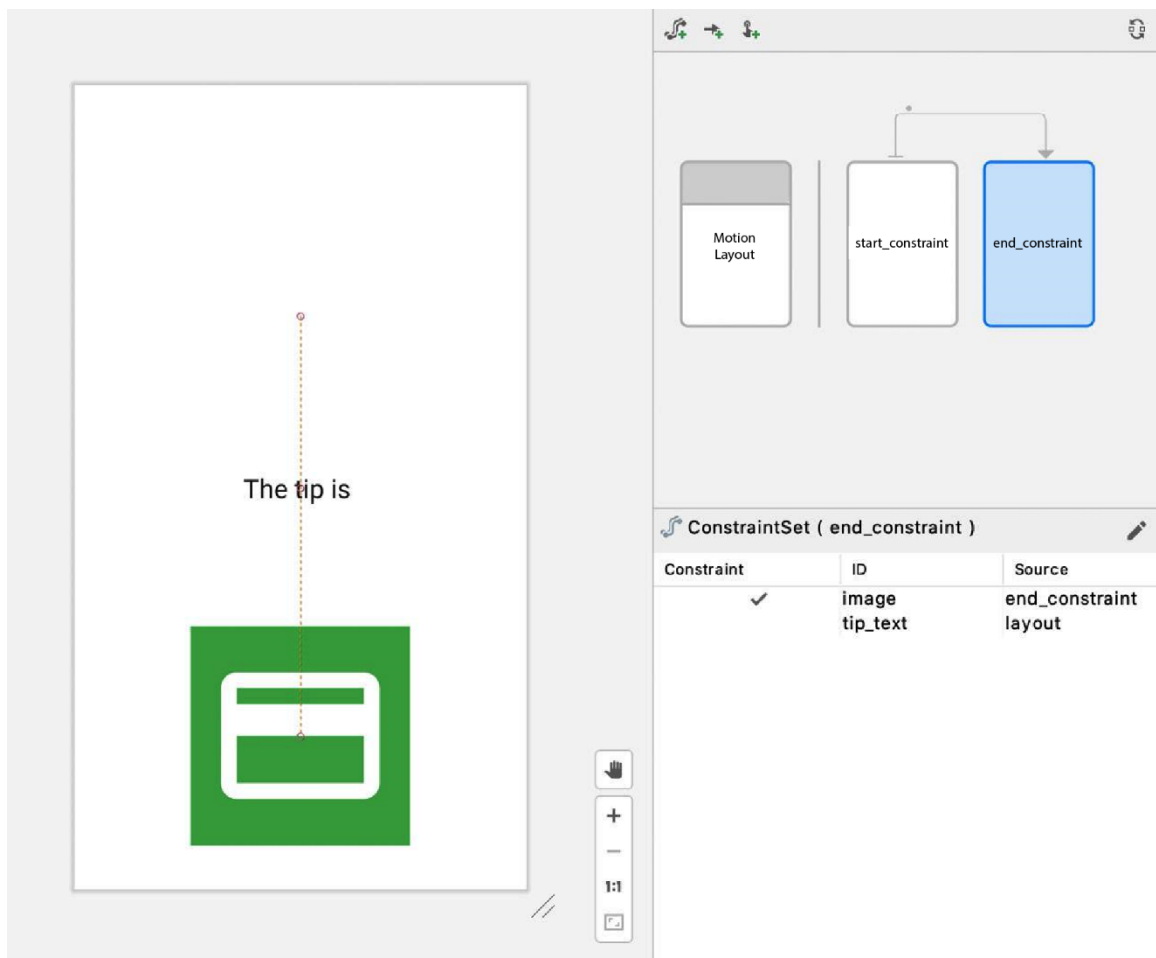
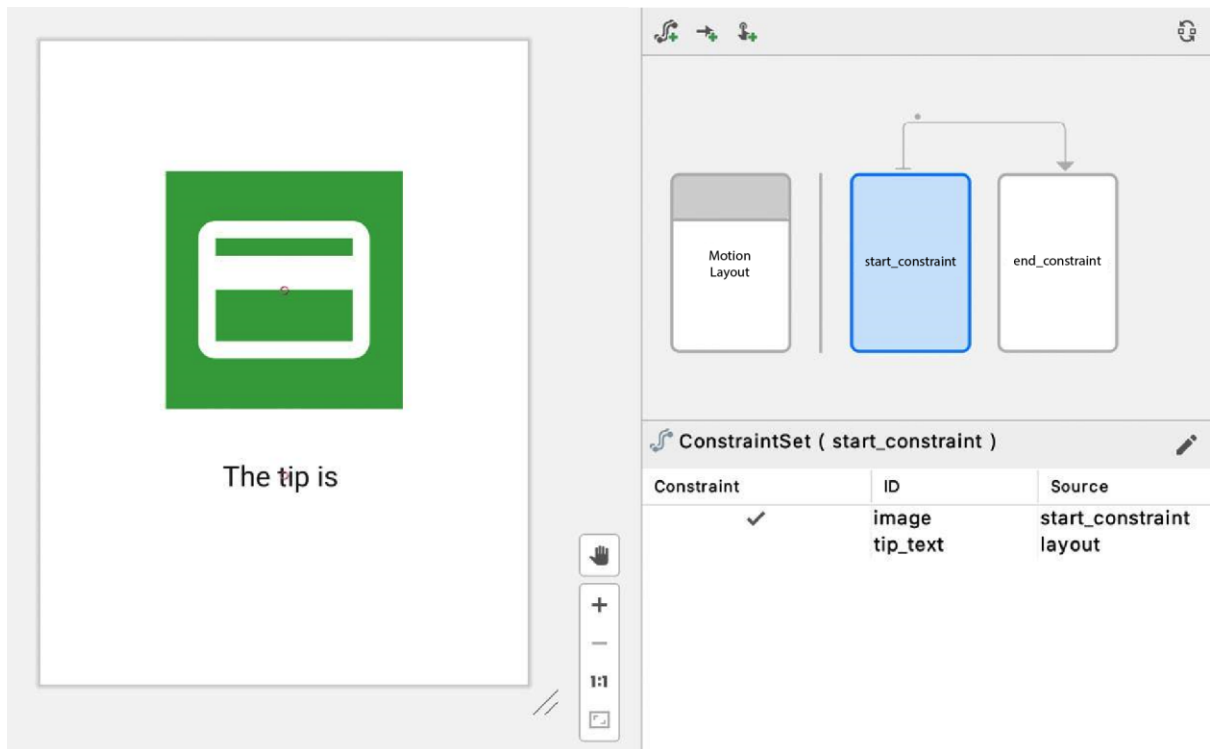
ConstraintSet (start_constraint)

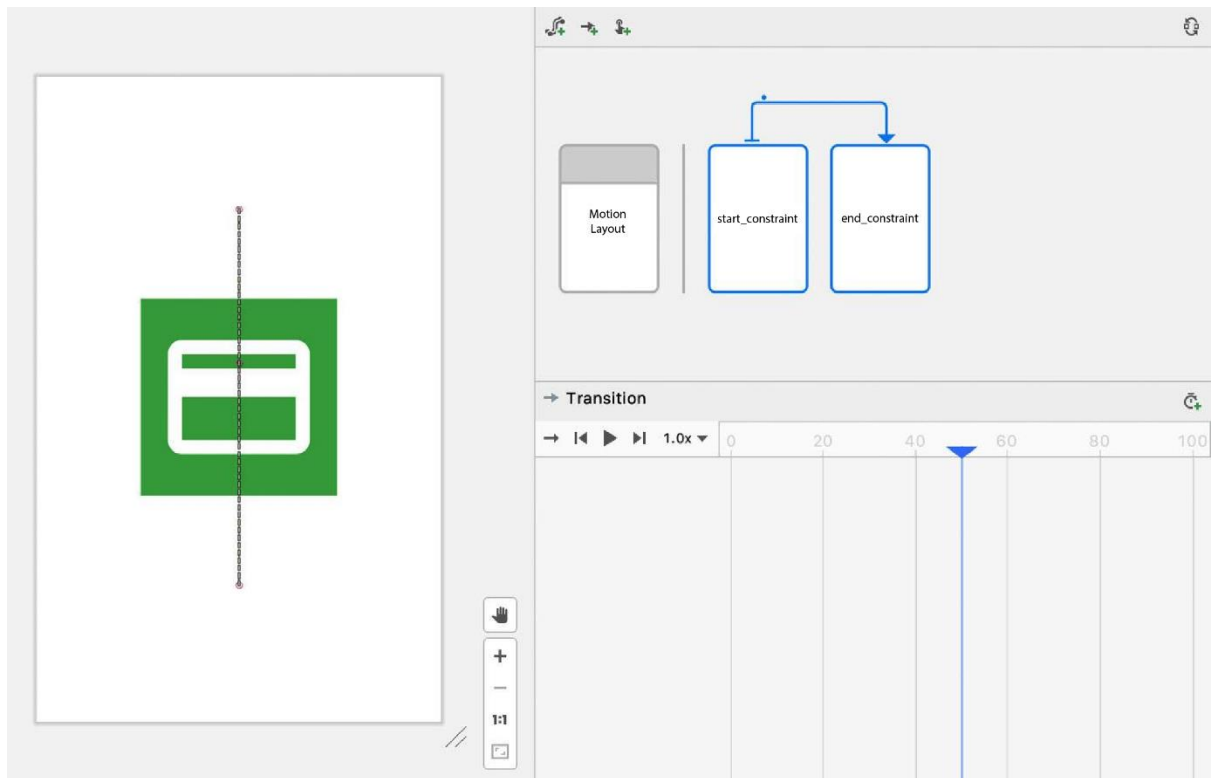
Constraint	ID	Source
✓	image tip_text	start_constraint layout

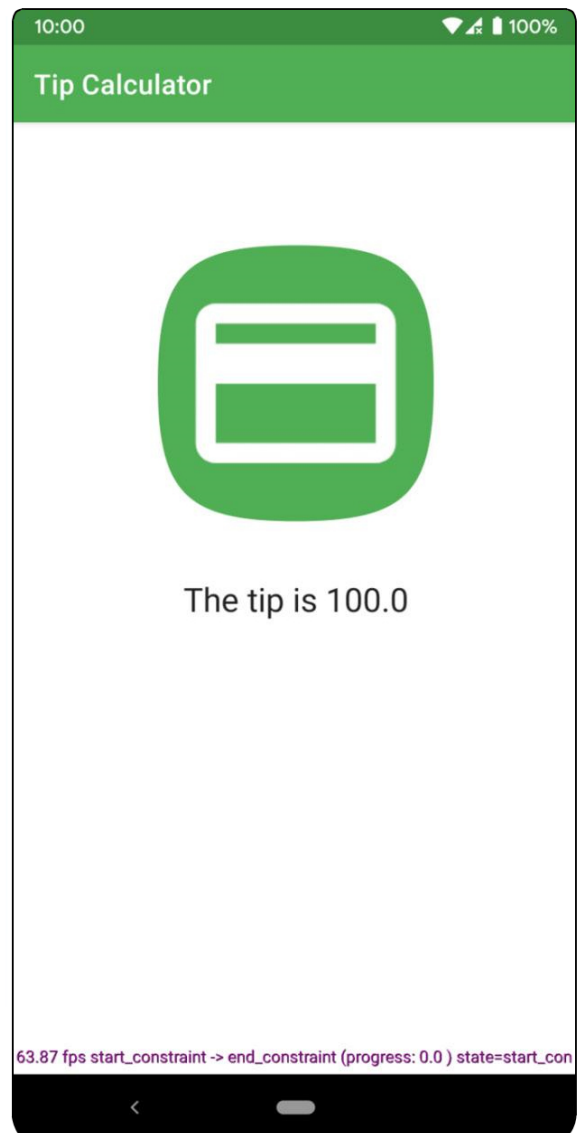


Layout ()

Type	id	Constrained
TextView	tip_text	[horizontal, vertical]
ImageView	image	[horizontal, vertical]







10:00

100%

Motion Layout

This is the te up and down

60.56 fps start_constraint -> end_constraint (progress: 50.6) state=undefine

10:00

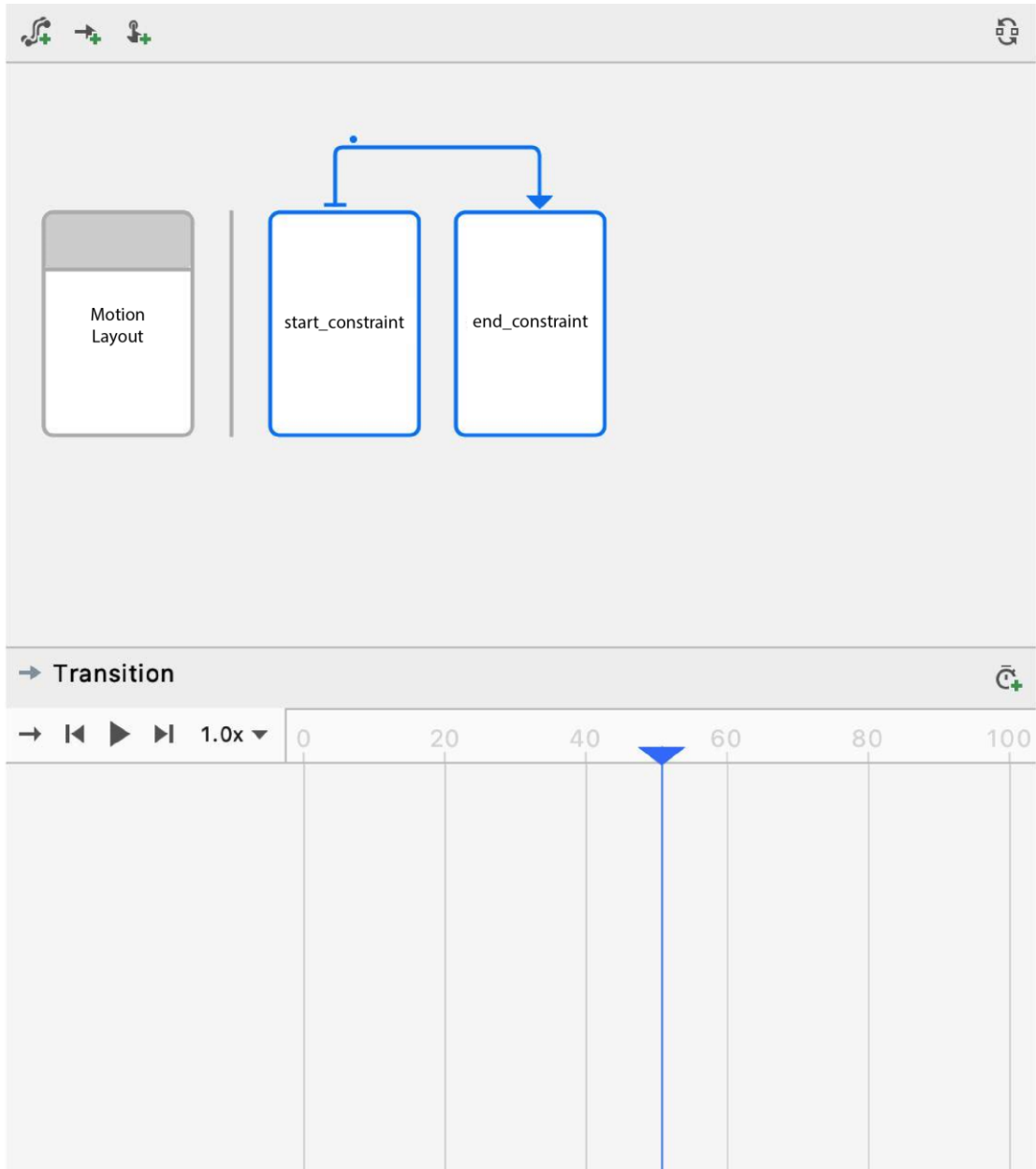
100%

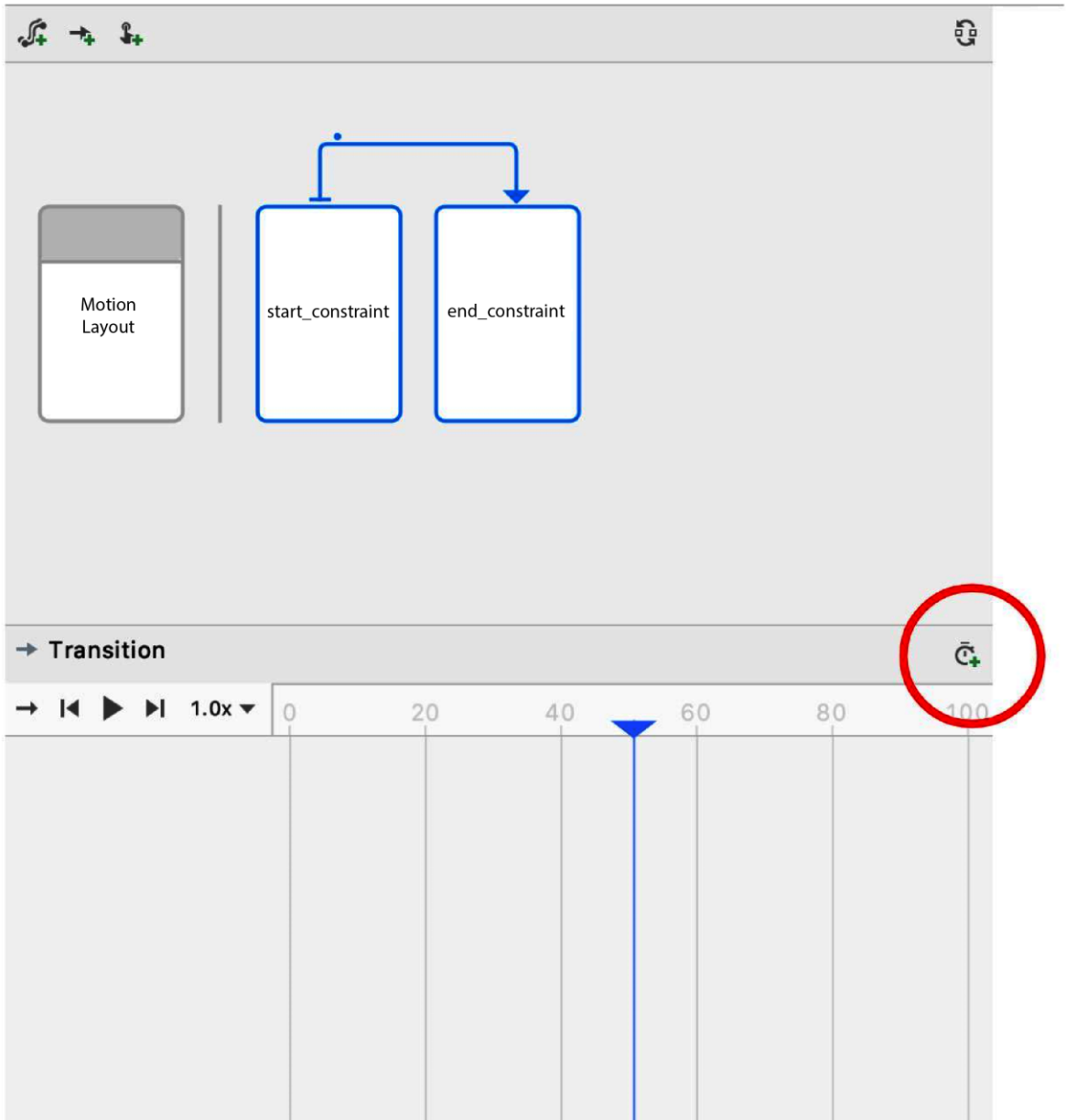
Tip Calculator

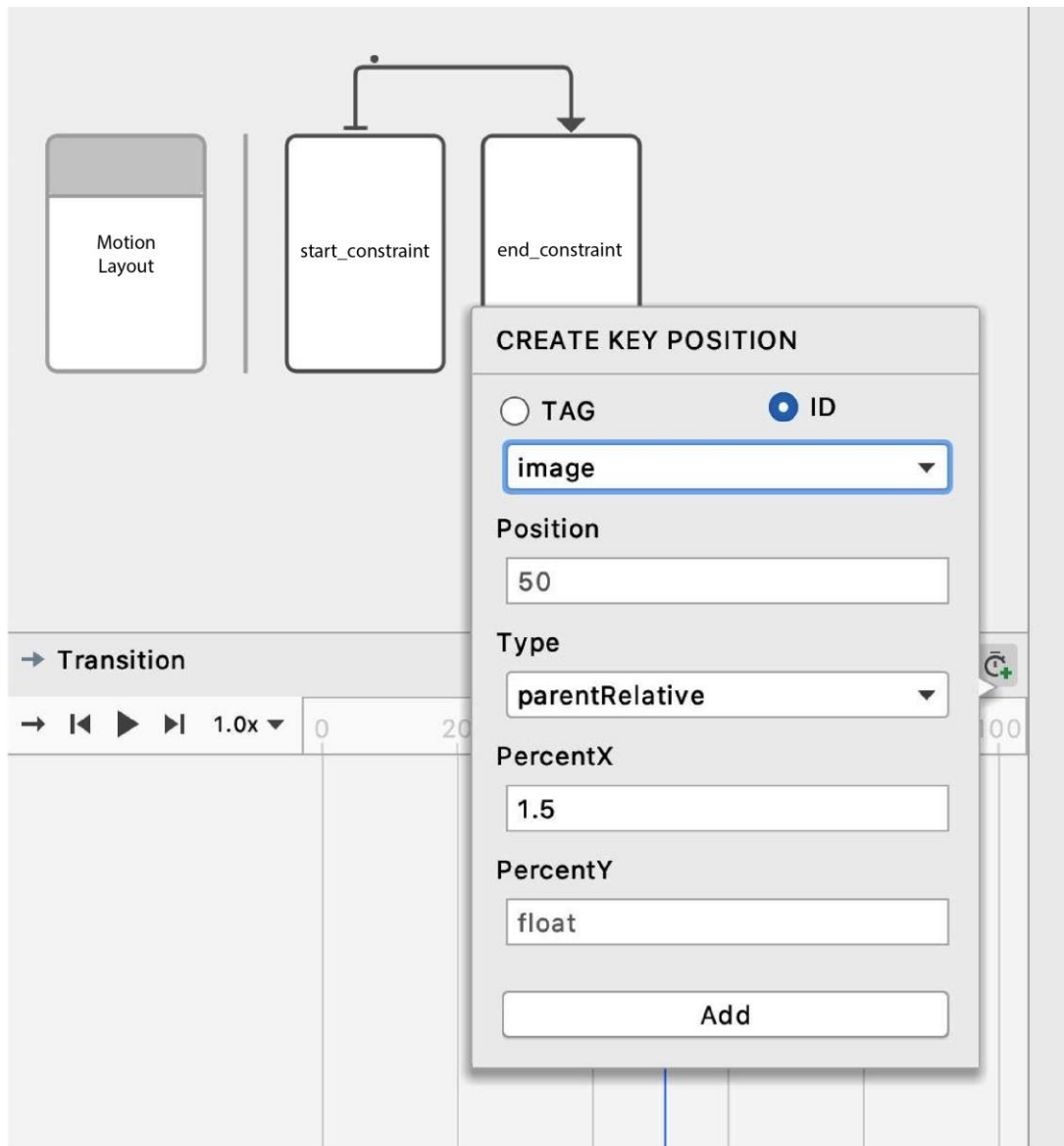


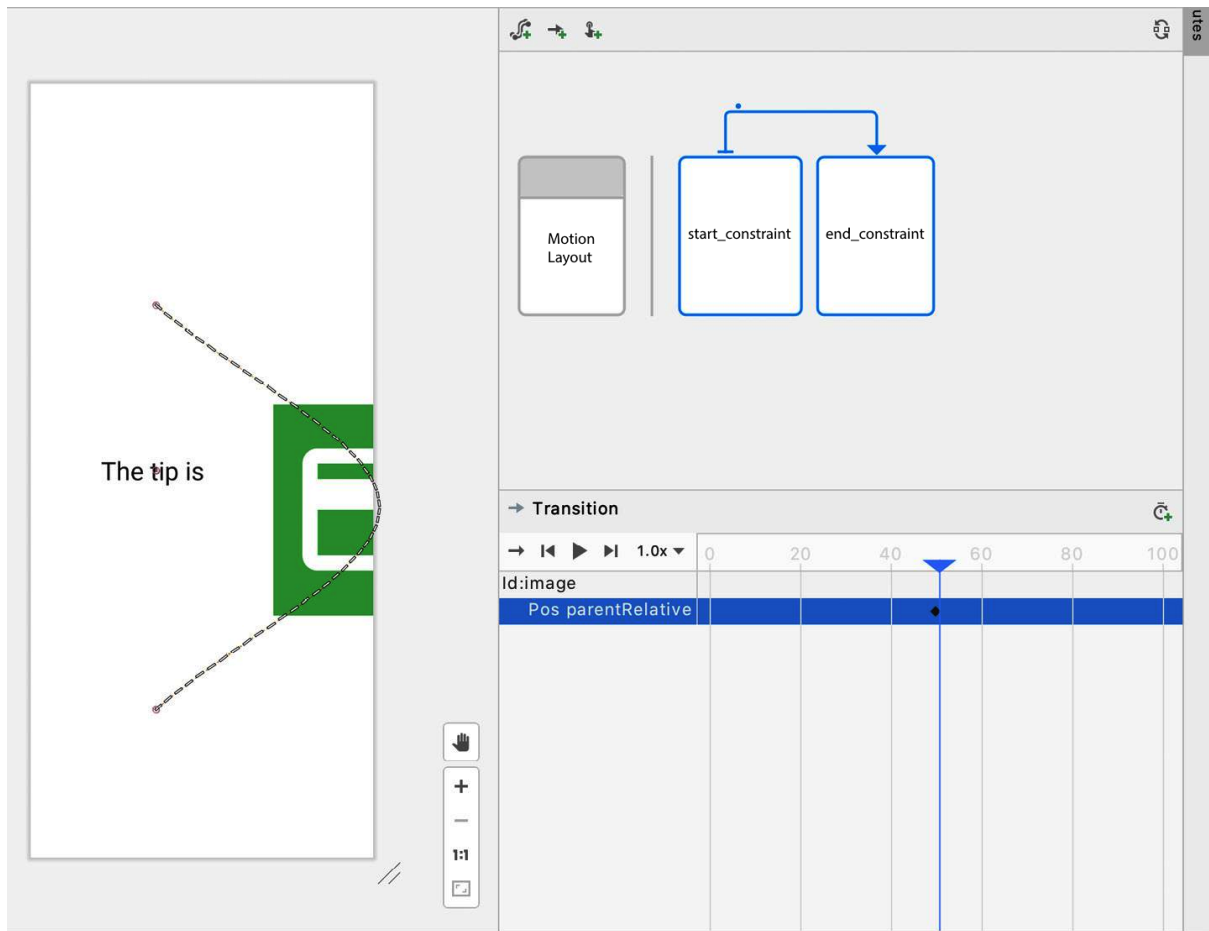
60.63 fps start_constraint -> end_constraint (progress: 47.3) state=undefine











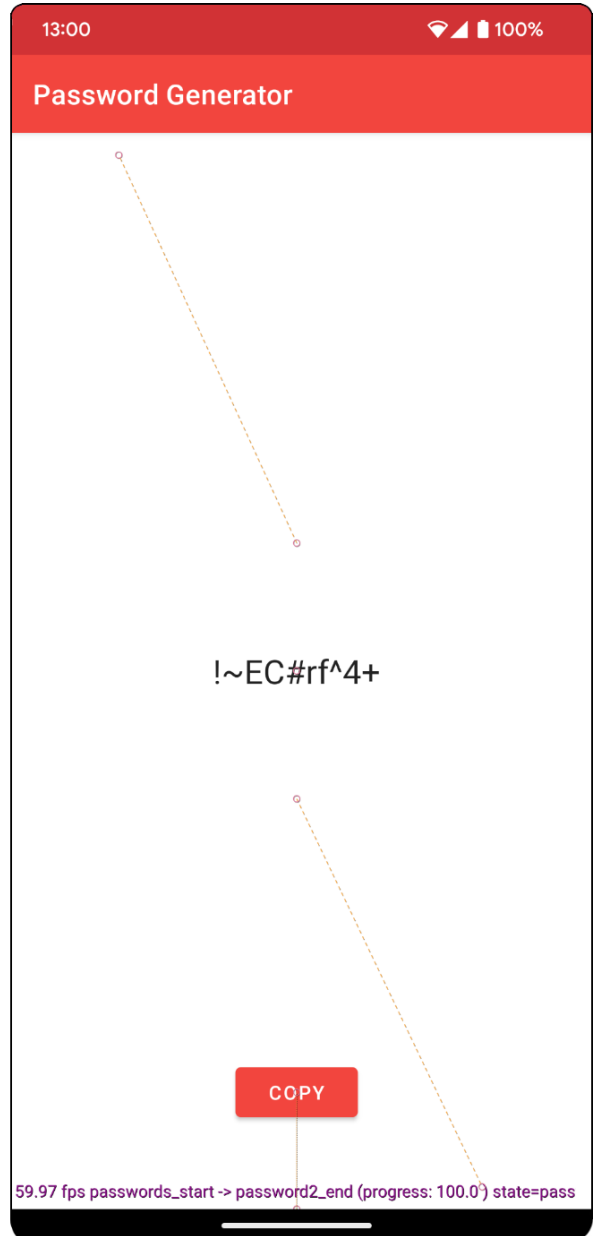
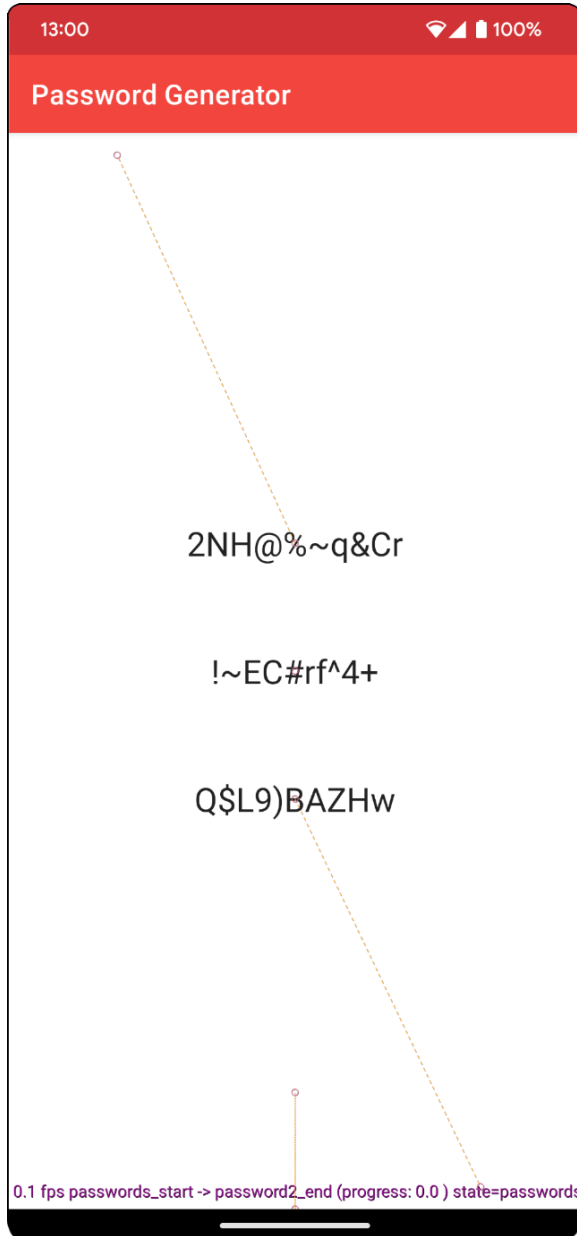
10:00

100%

Tip Calculator

The tip is 100.0

60.58 fps start_constraint -> end_constraint (progress: 51.2) state=undefine



Chapter 17: Launching Your App on Google Play

Generate Signed Bundle or APK

☐ Android App Bundle

Generate a signed app bundle for upload to app stores for the following benefits:

- Smaller download size
- On-demand app features
- Asset-only modules

[Learn more](#)

☒ APK

Build a signed APK that you can deploy to a device

?

Cancel

Previous

Next

Generate Signed Bundle or APK

Module

app

Key store path

Create new...Choose existing...

Key store password

Key alias

release

Key password

☐ Remember passwords

?

Cancel

Previous

Next

New Key Store

Key store path:

Password:

Confirm:

Key

Alias:

key|

Password:

Confirm:

Validity (years):

25

Certificate

First and Last Name:

Organizational Unit:

Organization:

City or Locality:

State or Province:

Country Code (XX):

Cancel

OK

Generate Signed Bundle or APK

Android App Bundle

Generate a signed app bundle for upload to app stores for the following benefits:

- Smaller download size
- On-demand app features
- Asset-only modules

[Learn more](#)

APK

Build a signed APK that you can deploy to a device

?

Cancel

Previous

Next

Generate Signed Bundle or APK

Module

app

Key store path

/users/example/keystore

Create new...

Choose existing...

Key store password

.....

Key alias

android-release

Key password

.....

☐ Remember passwords

?

Cancel

Previous

Next

Generate Signed Bundle or APK

Destination Folder:

Build Variants:

- debug
- release

Signature Versions: ☒ V1 (Jar Signature) ☒ V2 (Full APK Signature) [Signature Help](#)

Generate Signed APK

APK(s) generated successfully for module 'app' with 1 build variant:
Build variant 'release': [locate](#) or [analyze](#) the APK.

Generate Signed Bundle or APK

Module:

Key store path:

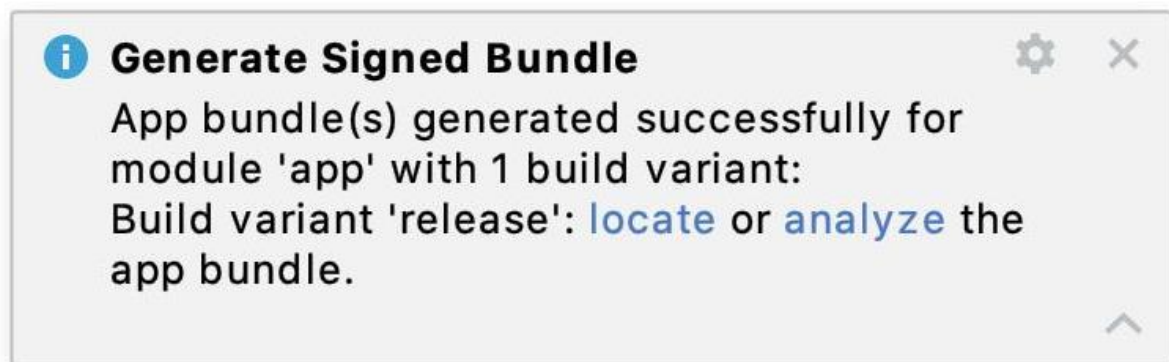
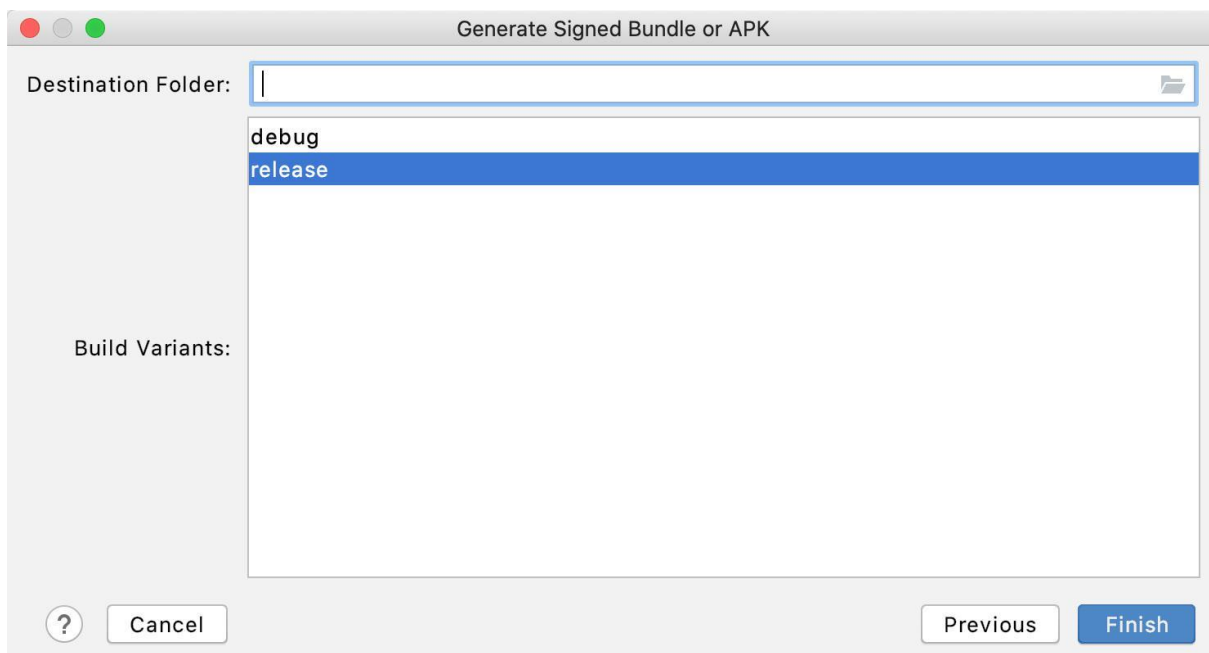
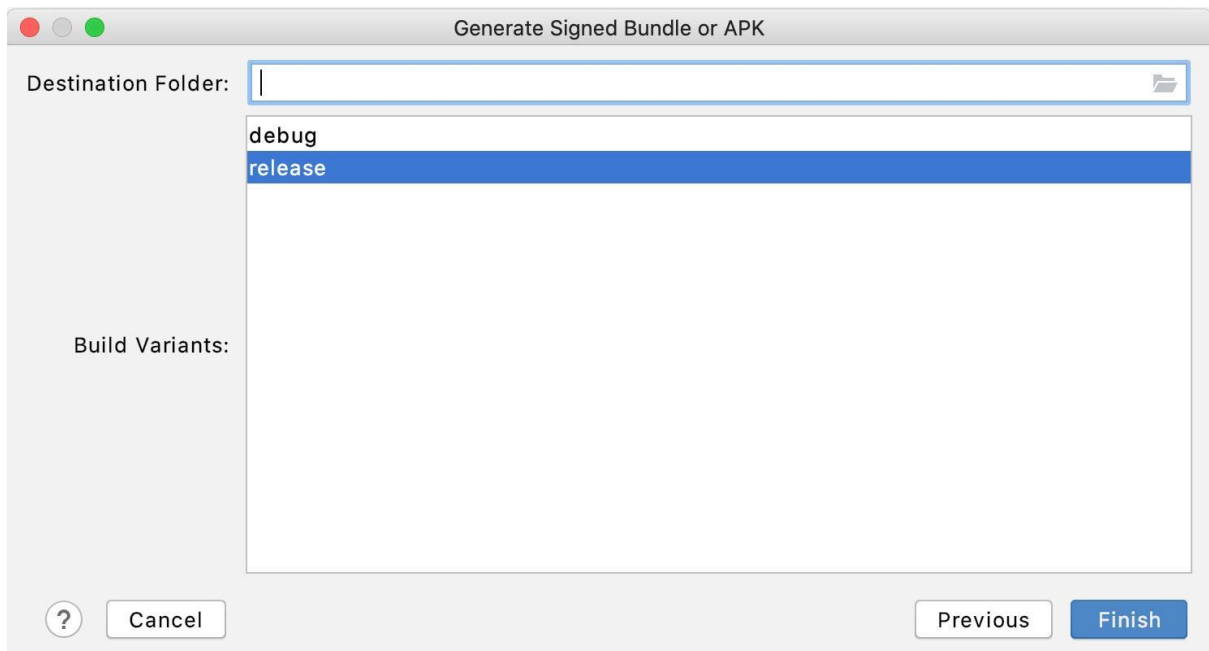
Key store password:

Key alias:

Key password:

☐ Remember passwords

☐ Export encrypted key for enrolling published apps in [Google Play App Signing](#)





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- Statistics
- Publishing overview

Release

Releases overview

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Production

Create new release

Create and manage production releases to make your app available to all users in your chosen countries. [Learn more](#)

Track summary

Inactive · Draft release: 1.0 · 150 countries / regions · 2 installs

Release dashboard

Releases

Countries / regions

Releases

1.0

Draft

Edit

Discard

Release history

Show ▾

Google Play Console

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← Closed testing

Alpha

Create and manage closed testing releases to test pre-release versions of your app with testers you control. [Learn more](#)

Create new release

Pause track

2.1.0

Available to selected testers

Last updated Nov 12 11:06 PM

Available in 149 countries

Available on 11,700 devices

[View release details](#)

Promote release

Release history

Show

Halt staged rollout

Halt this rollout to stop new users receiving this release. New users will get your previous release. Users who already have this version will keep it. You can resume this rollout or create a new release at any time. [Learn more](#)

Notes

Enter some notes to remind you why this release was halted. This is just for your reference, and isn't shown to users.

CancelHalt rollout

Google Play Console

Search Play Console

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← Closed testing

Alpha

Create new release

Create and manage closed testing releases to test pre-release versions of your app with testers you control. [Learn more](#)

The staged release 21100 (2.1.1) was halted on Nov 17, 2020 9:57 PM

Developer notes: Testing halt rollout

Resume rollout Create new release

Track summary

Pause track

Active · Release halted (21100 (2.1.1)) · 150 countries / regions

ReleasesCountries / regionsTesters

Releases

21100 (2.1.1)

Rollout halted on Nov 17, 2020

View release details Resume rollout

2.1.0

Available to selected testers · Last updated Nov 12 11:06 PM · Available in 149 countries · Available on 11,700 devices

Google Play Console

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Publishing overview

See an overview of the changes made to your app, and control when changes are sent for review or published. [Show more](#)

Managed publishing

Turn on managed publishing

Managed publishing off · Changes are published automatically as soon as they're approved by Google

Changes in review

Hide

Changes being reviewed by Google will appear here

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Publishing overview

See an overview of the changes made to your app, and control when changes are sent for review or published. [Show more](#)

Managed publishing

Managed publishing on · You control when approved updates are published

Turn off managed publishing

Changes ready to publish

Publish 1 change

Hide

Item changed	Description
Main store listing	
English (United States) – en-US	Change full description