

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab TextView- "Hello World!"

Pixel 28 NoTitleBar Default (en-us) 33%

Hello World!

In Part 1 of Lesson 3, we defined string and dimension resources.

In this part of Lesson 3, we use those resources to customize the main layout file (activity_main.xml)

Attributes

<unnamed> LinearLayout

id

Declared Attributes

Layout

layout_width match_parent

layout_height match_parent

visibility

✓ visibility

Common Attributes

orientation vertical

gravity

All Attributes

actionBarNavMode

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChani

animationCache

background

baselineAligned

baselineAlignedChil

clickable

clipChildren

clipToPadding

contentDescription

✓ context .MainActivity

descendantFocusab

divider

dividerPadding

drawingCacheQualit

duplicateParentState

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (53 minutes ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Palettes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

LinearLayout(vertical)

Ab TextView- "Hello World!"

Attributes

Ab <unnamed> TextView

id

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text Hello World!

text

contentDescription

textAppearance @android:style/TextAp

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Device File Explorer

We didn't delete the default TextView after we started this project, so that we can customize it as the title.
Select the TextView now

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (53 minutes ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity

Manifest

Java

edu.udayton.concerttickets

MainActivity

edu.udayton.concerttickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Component Tree

LinearLayout(vertical)

Ab titleTextView- "Hello World!"

Attributes

Ab titleTextView

Declared Attributes

Layout

layout_width

layout_height

layout_weight

visibility

visibility

Common Attributes

text

text

contentDescription

textAppearance

@android:style/TextAp

typeface

textSize

14sp

lineSpacingExtra

textColor

@android:color/secondary

textStyle

B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (53 minutes ago)

Event Log

The screenshot shows the Android Studio interface with the project 'ConcertTickets' open. The layout editor for 'activity_main.xml' is active. In the palette, 'Text' is selected, showing 'Ab TextView' as the primary item. The component tree on the left shows a single 'LinearLayout' containing a 'titleTextView' with the text 'Hello World!'. The attributes panel on the right shows various properties for the 'titleTextView', with a yellow callout box highlighting the 'id' field and the text 'Set the TextView's ID'. The preview window shows the text 'Hello World!' displayed on the screen.

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

Java

Manifests

Generated Java

Res

Drawable

Layout

Mipmap

Values

Colors

Dimens

Strings

Styles

Gradle Scripts

Activity Main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Component Tree

LinearLayout(vertical)

Ab titleTextView- "Hello World!"

Attributes

Ab titleTextView

id titleTextView

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text Hello World!

text

contentDescription

textAppearance

@and

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

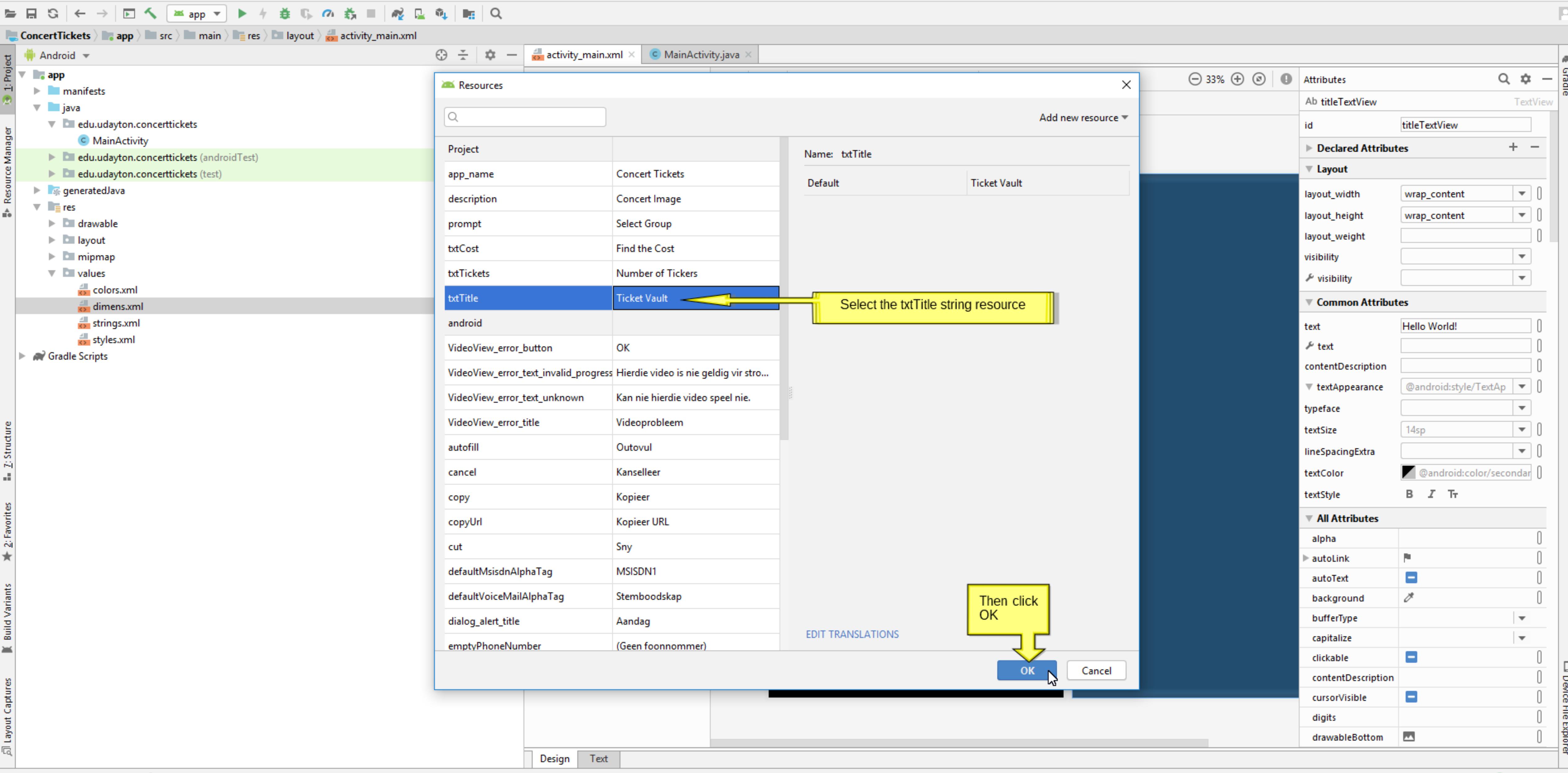
Device File Explorer

Design Text

Use the Resource manager to set the title text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (53 minutes ago)

Event Log



ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main XML

MainActivity.java

Attributes

Ab titleTextView

id titleTextView

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/btTit...

text

contentDescription

textAppearance @android:style/TextAp...

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Use the Resource manager to set the title's text size

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (54 minutes ago)

The screenshot shows the Android Studio interface with the project 'ConcertTickets' open. The left sidebar displays the project structure, including the 'app' module with its Java and resources. The main workspace shows the 'activity_main.xml' layout file. The layout consists of two dark blue rectangular views labeled 'Ticket Vault'. The left view contains a white text view with the placeholder text 'Ticket Vault'. The right view also has a white text view with the same placeholder text. The 'Attributes' panel on the right is focused on the first text view, specifically the 'text' attribute which is currently set to '@string/btTit...'. A yellow callout box with the text 'Use the Resource manager to set the title's text size' points to the dropdown menu next to the current value. The 'Component Tree' panel shows the layout structure as a single 'LinearLayout' with one child 'Ab titleTextView'. The bottom navigation bar includes tabs for 'Design' and 'Text', with 'Design' selected.

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test)

generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml

Gradle Scripts

2:Structure

Build Variants Favorites

Layout Captures

activity_main.xml MainActivity.java

Attributes

Name: titleSize

id titleTextView

Declared Attributes

Layout

Common Attributes

All Attributes

OK Cancel

33%

Resources

Add new resource

Project

Name: titleSize

Default 40sp

buttonSize 34sp

hintSize 36sp

margin5dp 5dp

titleSize 40sp

android

app_icon_size 48dip

dialog_min_width_major 55%

dialog_min_width_minor 80%

notification_large_icon_height 64dp

notification_large_icon_width 64dp

thumbnail_height 360dp

thumbnail_width 360dp

Select the titleSize dimension resource

Then click OK

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (54 minutes ago)

The screenshot shows the Android Studio interface with the project 'ConcertTickets' open. In the center, a 'Resources' dialog box is displayed over the 'activity_main.xml' layout editor. The dialog lists various dimension resources from the 'dimens.xml' file. The 'titleSize' resource is selected, highlighted with a blue background. A yellow callout bubble with the text 'Select the titleSize dimension resource' points to this selection. At the bottom right of the dialog, there are 'OK' and 'Cancel' buttons, with another yellow callout bubble pointing to the 'OK' button and the text 'Then click OK'. The layout editor on the right shows the XML code for the TextView with its id set to 'titleTextView'. The 'Text' tab at the bottom of the layout editor is selected.

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Palettes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Panels

Default (en-us)

33%

Attributes

Ab titleTextView

id titleTextView

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

When we added a TextView in prior lessons, the TextView was sized horizontally from edge-to-edge of the layout

We can configure this TextView the same way by changing its layout_width property

Start by clicking here to display the layout_width values

textAppearance @android:style/TextAp

typeface

textSize @dimen/titleSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Device File Explorer

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (54 minutes ago)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Palettes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Attributes

Ab titleTextView

id titleTextView

Declared Attributes

Layout

layout_width wrap_content

layout_height match_parent

layout_weight wrap_content

visibility visibility

Common Attributes

text @string/txTitle

textAppearance @android:style/TextAp

typeface

textSize @dimen/titleSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Device File Explorer

Ticket Vault

Ticket Vault

Select the 'match_parent' value

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (54 minutes ago)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Layout Captures

1:Project

Java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

Palette

activity_main.xml MainActivity.java

Attributes

Ab TextView

Common Text Buttons Widgets Layouts Containers Google Legacy

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault

Ticket Vault

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Design Text

To make the text more visible against the black background, we can change the text color to the white system color

Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

Activity Main XML

Attributes

Ab titleTextView
id titleTextView

Declared Attributes

Layout

Vault

No Preview

OK Cancel

Design Text

Resources

Add new resource

Project

colorAccent

colorPrimary

colorPrimaryDark

android

As with black, we first need to expand the group of Android system colors

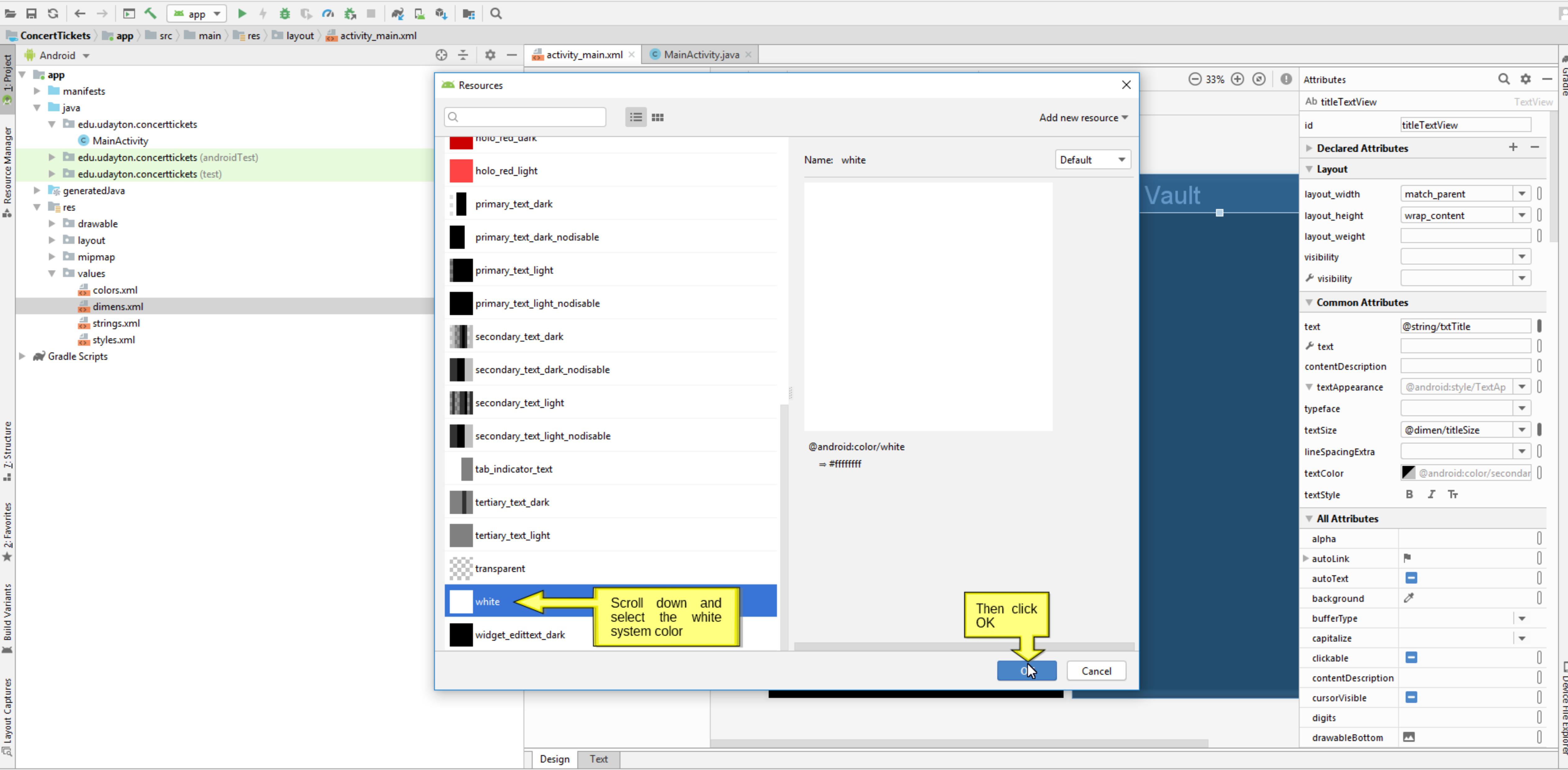
Gradle

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (55 minutes ago)

The screenshot shows the Android Studio interface with the project 'ConcertTickets' open. In the center, a 'Resources' dialog is displayed, specifically for the 'activity_main.xml' layout. The 'Attributes' panel on the right shows configuration for a 'titleTextView' with attributes like 'text' set to '@string/txTitle'. A yellow callout box highlights the 'android' section in the 'Project' dropdown of the Resources dialog, with the note: 'As with black, we first need to expand the group of Android system colors'. This indicates that the user needs to expand the 'android' group to access system colors like 'colorAccent', 'colorPrimary', and 'colorPrimaryDark'.





ConcertTickets > app > src > main > res > layout > activity_main.xml

1:Project Resource Manager 2:Structure 3:Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Attributes

Ab titleTextView

nextFocusUp

numeric

onClick

overScrollMode

padding

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarDefaultDelta

scrollbarFadeDuration

scrollbarSize

scrollbarStyle

scrollbarThumbHorizontal

scrollbarThumbVertical

scrollbarTrackHorizontal

scrollbarTrackVertical

scrollbars

selectAllOnFocus

shadowColor

shadowDx

Click to expand the Padding attributes

Ticket Vault

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (56 minutes ago)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Palettes

MainActivity.java

activity_main.xml

Attributes

Gradle

Project Structure

app

manifests

java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Ticket Vault

Ticket Vault

Use the Resource manager to set the bottom padding

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (56 minutes ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

1:Vault

Attributes

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

OK Cancel

Then click OK

buttonSize: 34sp

hintSize: 36sp

titleSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

33% + - !

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (56 minutes ago)

Event Log

The screenshot shows the Android Studio interface with the project 'ConcertTickets' open. In the center, the 'Resources' editor is displayed for the 'dimens.xml' file under the 'values' folder. A specific entry, 'margin5dp', is selected, highlighted with a blue background and a yellow arrow pointing to it. A yellow callout box with the text 'Select the 5-pixel margin spacing' is positioned over the entry. At the bottom right of the editor, there are 'OK' and 'Cancel' buttons, with a yellow callout box and arrow pointing to the 'OK' button and the text 'Then click OK'. The 'Vault' tab is visible on the left, and the 'Attributes' panel is on the right, showing various properties for the selected resource. The bottom status bar indicates 'Syncing only active variant'.

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Attributes

Ab titleTextView TextView
nextFocusUp
▶ numeric
onClick
overScrollMode
padding [?, ?, ?, ?, @dimen/margin5dp]
padding
paddingLeft
paddingTop
paddingRight
paddingBottom @dimen/margin5dp
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollIY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela 300
scrollbarFadeDurati 250
scrollbarSize 10dip
scrollbarStyle
scrollbarThumbHoriz @android:drawable(scroll)
scrollbarThumbVerti @android:drawable(scroll)
scrollbarTrackHorizo @null

Ticket Vault Ticket Vault

Palette

Common Ab TextView
Text Button
Buttons ImageView
Widgets RecyclerView
Layouts <> <fragment>
Containers ScrollView
Google Switch
Legacy

Component Tree

LinearLayout(vertical)
Ab titleTextView- "@string/btTit..."

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (56 minutes ago)

Use the Resource manager to set the top padding

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (56 minutes ago)

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle

Resources

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

buttonSize: 34sp

hintSize: 36sp

titleSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Attributes

titleTextview

nextFocusUp

numeric

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateMeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelta: 300

scrollbarFadeDuration: 250

scrollbarSize: 10dip

scrollbarStyle

scrollbarThumbHorizontal: @android:drawable(scrollbarThumbHorizontal)

scrollbarThumbVertical: @android:drawable(scrollbarThumbVertical)

scrollbarTrackHorizontal: @null

Vault

OK Cancel

Then click OK

33%

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager

2:Structure Favorites Build Variants Build Captures Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault Ticket Vault

To center the title text, click to expand the gravity property

Attributes

Ab titleTextView TextView

fitsSystemWindows

focusable

focusableInTouchMode

foreground

foregroundGravity

freezesText

gravity

hapticFeedbackEnabled

height

hint

id titleTextView

imeActionId

imeActionLabel

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

keepScreenOn

layerType

layout_constraintBottom_to_top parent

layout_constraintLeft_to_left parent

layout_constraintRight_to_right parent

layout_constraintTop_to_top parent

layout_gravity

layout_height wrap_content

layout_margin [?, ?, ?, ?, ?]

layout_weight

layout_width match_parent

lineSpacingExtra

lineSpacingMultiple

lines

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (57 minutes ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity

Manifest

Java

edu.udayton.concerttickets

MainActivity

edu.udayton.concerttickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Palette

Common

Ab TextView

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ticket Vault

Ticket Vault

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Design Text

Set the gravity value to 'center'

Attributes

Ab titleTextView

TextView

fitsSystemWindows

foreground

foregroundGravity

freezesText

gravity

bottom

clip_horizontal

center

clip_vertical

start

right

center

fill

fill_horizontal

top

left

center_vertical

fill_vertical

end

hapticFeedbackEnab

height

hint

id

titleTextView

imeActionId

imeActionLabel

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

Device File Explorer

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main XML

MainActivity.java

Attributes

Gradle

Pixel 28 NoTitleBar Default (en-us) 33%

Palette

Common Text Button

Text

Plain Text

Password

Password (Num...)

E-mail

Phone

Postal Address

Multiline Text

Time

Date

Number

Number (Signed)

Number (Decim...)

AutoCompleteT...

MultiAutoComp...

CheckedTextVie...

TextInputLayou...

In the Palette, select the Text category

Text fields (or EditText UI components) are described on pages 90-91 of Android Boot Camp

Ticket Vault

Ticket Vault

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTit..."

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (57 minutes ago)

The screenshot shows the Android Studio interface with the project 'ConcertTickets' open. The left sidebar displays the project structure, including the 'app' module with its Java and resources. The main area shows the 'activity_main.xml' layout file. The palette on the left is open, showing the 'Text' category selected. A tooltip indicates that text fields or EditText components are described on pages 90-91 of the Android Boot Camp. The layout preview shows a single text view with the placeholder 'Ticket Vault'. The attributes panel on the right lists various properties for the selected text view, such as 'titleTextView', 'fitsSystemWindows', and 'center' checked.



1:Project

Resource Manager

2:Structure

Favorites

Build Variants

Layout Captures

3:Layouts

TODO Terminal Build Logcat

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (58 minutes ago)

Gradle

Device File Explorer

Event Log

The screenshot shows the Android Studio interface for the ConcertTickets application. The left sidebar displays the project structure, including the app module with its Java and resources. The main area shows the layout editor for activity_main.xml, featuring a title bar with 'Ticket Vault' and a content area with a text view. A yellow callout box provides a detailed explanation of the Number EditText UI component:

As mentioned on page 91 of Android Boot Camp:
... the Concert Tickets application requests the number of concert tickets. This quantity is an integer value because you cannot purchase part of a ticket. By selecting the Number Text Field, users can enter only positive integers from the keyboard. The app does not accept letters and symbols from the keyboard, which saves you time as the developer because you do not have to write lengthy data validation code.

Note, however, that although the Number EditText UI component does not allow for non-numeric data entry, there is nothing stopping the user from entering any data before they click the "Find The Cost" button.
Therefore, we will have to deal with this possibility in our Java code in Part 3 of this lesson.

The palette on the right lists various UI components, and the attributes panel on the far right shows the properties for the selected titleTextView component.

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

Java

edu.udayton.concerttickets

MainActivity

edu.udayton.concerttickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Ab TextView

Ab Plain Text

Ab Password

Ab Password (Numer...)

Ab E-mail

Ab Phone

Ab Postal Address

Ab Multiline Text

Ab Time

Ab Date

Ab Number

Ab Number (Signed)

Ab Number (Decimal)

Ab AutoCompleteTe...

MultiAutoCompl...

CheckedTextView

Ab TextInputLayout

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Design Text

Attributes

Ab titleTextView

fitsSystemWindows

foreground

foregroundGravity

freezesText

gravity

bottom

clip_horizontal

center

clip_vertical

start

right

center_horizontal

fill

fill_horizontal

top

left

center_vertical

fill_vertical

end

hapticFeedbackEnab

height

hint

id

imeActionId

imeActionLabel

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

Ticket Vault

FYI, the Number (Signed) EditText component allows entering signed numbers (i.e., negative numbers as well as positive numbers and zero) ...

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (58 minutes ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

Java

edu.udayton.concerttickets

MainActivity

edu.udayton.concerttickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

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Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Ab TextView

Ab Plain Text

Ab Password

Ab Password (Numer...)

Ab E-mail

Ab Phone

Ab Postal Address

Ab Multiline Text

Ab Time

Ab Date

Ab Number

Ab Number (Signed)

Ab Number (Decimal)

Ab AutoCompleteTe...

MultiAutoCompl...

CheckedTextView

Ab TextInputLayout

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@+string/btTitle"

Design Text

Attributes

Ab titleTextView

fitsSystemWindows

focusable

focusableInTouchM

foreground

foregroundGravity

freezesText

gravity

center

bottom

clip_horizontal

center

clip_vertical

start

right

center_horizontal

fill

fill_horizontal

top

left

center_vertical

fill_vertical

end

hapticFeedbackEna

height

hint

id

titleTextView

imeActionId

imeActionLabel

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

Ticket Vault

Ticket Vault

... while the Number (Decimal) EditText component allows entering fractional numbers (e.g., 3.14)

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (58 minutes ago)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

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MainActivity

edu.udayton.concerttickets (androidTest)

edu.udayton.concertickets (test)

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res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

Palette

activity_main.xml MainActivity.java

Attributes

Pixel 28 NoTitleBar Default (en-us) 33%

Common Text Buttons Widgets Layouts Containers Google Legacy

Ab TextView
Ab Plain Text
Ab Password
Ab Password (Numer...
Ab E-mail
Ab Phone
Ab Postal Address
Ab Multiline Text
Ab Time
Ab Date
Ab Number
Ab Number (Signed)
Ab Number (Decimal)
Ab AutoCompleteTe...
MultiAutoCompl...
CheckedTextView
Ab TextInputLayout

Ticket Vault

As with other UI components, add a Number EditText to the layout by selecting it right-clicking on it ...

Component Tree

LinearLayout(vertical)
Ab titleTextView- "@string/btTitle"

Design Text

Device File Explorer

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Text Buttons Widgets Layouts Containers Google Legacy

Ab TextView Ab Plain Text Ab Password Ab Password (Numer... Ab E-mail Ab Phone Ab Postal Address Ab Multiline Text Ab Time Ab Date Ab Number Ab Number (Sig Ab Number (De Ab AutoComple Ab MultiAutoCc Ab CheckedTextV Ab TextInputLayout

Add to Design Favorite Android Documentation Material Guidelines

Ticket Vault

... and then selecting Add to Design from the menu that appears

Since we're again using a vertical LinearLayout, it will automatically be placed just below the title TextView

Component Tree

LinearLayout(vertical) Ab titleTextView- "@string/btTitle"

Design Text

Attributes

Ab titleTextView TextView

fitsSystemWindows

foreground

foregroundGravity

freezesText

gravity center

bottom

clip_horizontal

center

clip_vertical

start

right

center_horizontal

fill

fill_horizontal

top

left

center_vertical

fill_vertical

end

hapticFeedbackEnab

height

hint

id titleTextView

imeActionId

imeActionLabel

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

Device File Explorer

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test)

generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml

Gradle Scripts

activity_main.xml MainActivity.java

Palette

Common Text Buttons Widgets Layouts Containers Google Legacy

Ab TextView Ab Plain Text Ab Password Ab Password (Numer...) Ab E-mail Ab Phone Ab Postal Address Ab Multiline Text Ab Time Ab Date Ab Number Ab Number (Signed) Ab Number (Decimal) Ab AutoCompleteTe... MultiAutoCompl... CheckedTextView Ab TextInputLayout

Component Tree

LinearLayout(vertical) Ab titleTextView- "@string/btTitle" Ab txtTickets(Number)

Design Text

Attributes

Ab txtTickets

EditText

Change the EditText's ID

Note that this ID change is more important (than, say the title's ID change), since this component will be accessed in the Java code for this activity

layout_width layout_height layout_weight visibility visibility

Common Attributes

inputType hint style singleLine selectAllOnFocus text text contentDescription textAppearance typeface textSize lineSpacingExtra textColor textStyle

All Attributes

alpha autoLink autoComplete background bufferType capitalize

Device File Explorer

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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1:Project

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app

manifests

java

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edu.udayton.concertickets (test)

generatedJava

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drawable

layout

mipmap

values

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dimens.xml

strings.xml

styles.xml

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Google

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Ab TextView

Ab Plain Text

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Ab Password (Numer...)

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Ab Time

Ab Date

Ab Number

Ab Number (Signed)

Ab Number (Decimal)

Ab AutoCompleteTe...

MultiAutoCompl...

CheckedTextView

Ab TextInputLayout

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

Attributes

Ab txtTickets

id

Declared Attributes

Layout

layout_width

layout_height

layout_weight

visibility

visibility

Common Attributes

inputType

hint

style

singleLine

selectAllOnFocus

text

text

contentDescription

textAppearance

@android:style/TextAp

typeface

textSize

lineSpacingExtra

textColor

@android:color/primary_

textStyle

B I Tr

All Attributes

alpha

autoLink

autoText

background

@android:drawable/edit_t

bufferType

capitalize

Design Text

Ticket Vault

Ticket Vault

Use the Resource manager to set the EditText's hint attribute

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (58 minutes ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

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Layout Captures

Android

app

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edu.udayton.concertickets

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edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

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activity_main.xml

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Google

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Ab TextView

Ab Plain Text

Ab Password

Ab Password (Numer...)

Ab E-mail

Ab Phone

Ab Postal Address

Ab Multiline Text

Ab Time

Ab Date

Ab Number

Ab Number (Signed)

Ab Number (Decimal)

Ab AutoCompleteTe...

MultiAutoCompl...

CheckedTextView

Ab TextInputLayout

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

Attributes

Ab txtTickets

id

Declared Attributes

Layout

layout_width

layout_height

layout_weight

visibility

visibility

Common Attributes

inputType

hint

style

singleLine

textColor

textStyle

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

Design Text

Ticket Vault

In fact, we need to leave the text attribute blank, since setting it to a string would defeat the purpose of using a Number EditText

The two attributes are different, in that the hint text is visible only until the user taps the EditText

Notice that we are setting the hint attribute, NOT the text attribute

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (58 minutes ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test)

Resource Manager

generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml

Gradle Scripts

2:Structure

Favorites

Build Variants

Layout Captures

activity_main.xml

MainActivity.java

Attributes

Name: txtTickets

id txtTickets

Declared Attributes

Layout

Number of Tickers

Default

Number of Tickers

txtCost

prompt

description

app_name

Project

txtTitle

VideoView_error_button

VideoView_error_text_invalid_progress

VideoView_error_text_unknown

VideoView_error_title

autofill

cancel

copy

copyUrl

cut

defaultMsisdnAlphaTag

defaultVoiceMailAlphaTag

dialog_alert_title

emptyPhoneNumber

Number of Tickers

Ticket Vault

OK

Hierdie video is nie geldig vir stro...

Kan nie hierdie video speel nie.

Videoprobleem

Outovul

Kanselleer

Kopieer

Kopieer URL

Sny

MSISDN1

Stemboodskap

Aandag

(Geen foornommer)

EDIT TRANSLATIONS

OK Cancel

Select the txtTickets string resource

Then click OK

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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ConcertTickets app src main res layout activity_main.xml

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Activity Main

activity_main.xml

MainActivity.java

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Common

Text

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Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault

Number of Tickets

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

Attributes

txtTickets

id txtTickets

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

inputType number

hint @string/txtTickets

style @android:style/Widget

singleLine

selectAllOnFocus

text

text

contentDescription

textAppearance

typeface

textSize 18sp

lineSpacingExtra

textColor @android:color/primary

textStyle

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

Use the Resource manager to set the EditText's text size

Design Text

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test) generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

Resource Manager

2:Structure

Build Variants

Layout Captures

activity_main.xml

MainActivity.java

Attributes

txtTickets

id txtTickets

Declared Attributes

Layout

Default

buttonSize 34sp

hintSize 36sp

margin5dp 5dp

titleSize 40sp

android

app_icon_size 48dip

dialog_min_width_major 55%

dialog_min_width_minor 80%

notification_large_icon_height 64dp

notification_large_icon_width 64dp

thumbnail_height 360dp

thumbnail_width 360dp

Add new resource

Name: hintSize

Select the hintSize dimension resource

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Text Buttons Widgets Layouts Containers Google Legacy

Ab TextView Ab Plain Text Ab Password Ab Password (Numer... Ab E-mail Ab Phone Ab Postal Address Ab Multiline Text Ab Time Ab Date Ab Number Ab Number (Signed) Ab Number (Decimal) Ab AutoCompleteTe... Ab MultiAutoCompl... Ab CheckedTextVie Ab TextInputLayout

Ab txtTickets

numeric onClick overScrollMode padding [?, ?, ?, ?, ?]

password phoneNumber privateImeOptions requiresFadingEdge rotation rotationX rotationY saveEnabled scaleX scaleY scrollHorizontally scrollI scrollY scrollB scrollBarAlwaysDraw scrollB scrollBarDefaultDela scrollBarFadeDuratio scrollBarSize scrollBarStyle scrollBarThumbHoriz scrollBarThumbVerti scrollBarTrackHorizo scrollBarTrackVertica scrollbars selectAllOnFocus shadowColor shadowDx shadowDy

Click to expand the Padding attributes

Ticket Vault

Number of Tickets

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (1 hour ago)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:Project

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
 - edu.udayton.concertickets (androidTest)
 - edu.udayton.concertickets (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle Scripts

activity_main.xml x MainActivity.java x

Palette

Common

- Ab TextView
- Ab Plain Text
- Ab Password
- Ab Password (Numer...)
- Ab E-mail
- Ab Phone
- Ab Postal Address
- Ab Multiline Text
- Ab Time
- Ab Date
- Ab Number
- Ab Number (Signed)
- Ab Number (Decimal)
- Ab AutoCompleteTe...
- MultiAutoCompl...
- CheckedTextView
- Ab TextInputLayout

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Component Tree

- LinearLayout(vertical)
 - Ab titleTextView- "@string/btTitle"
 - Ab txtTickets(Number)

Design Text

Attributes

Ab txtTickets

numeric

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

Device File Explorer

Ticket Vault

Number of Tickets

Ticket Vault

Use the Resource manager to set the bottom padding

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (1 hour ago)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

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2:Structure

Build Variants

Layout Captures

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (1 hour ago)

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle

activity_main.xml

MainActivity.java

Attributes

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

Then click OK

OK Cancel

Resources

Add new resource

Project

buttonSize: 34sp

hintSize: 36sp

margin5dp: 5dp

titleSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Attributes

- Ab txtTickets
- numeric
- onClick
- overScrollMode
- padding
 - [?, ?, ?, ?, ?]
 - padding
 - paddingLeft
 - paddingTop
 - paddingRight
 - paddingBottom
- password
- phoneNumber
- privateImeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollIX
- scrollY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDela
- scrollbarFadeDuratio
- scrollbarSize
- scrollbarStyle
- scrollbarThumbHoriz
- scrollbarThumbVerti
- scrollbarTrackHorizo
- scrollbarTrackVertica

Device File Explorer

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

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ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:TODO

Terminal

Build

6:Logcat

Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (1 hour ago)

activity_main.xml MainActivity.java

Palette

Common

Text

Buttons

Widgets

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Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ab TextView Ab Plain Text Ab Password Ab Password (Numer... Ab E-mail Ab Phone Ab Postal Address Ab Multiline Text Ab Time Ab Date Ab Number Ab Number (Signed) Ab Number (Decimal) Ab AutoCompleteTe... MultiAutoCompl... CheckedTextView Ab TextInputLayout

Ticket Vault

Number of Tickets

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(EditText)

Attributes

Ab txtTickets

numeric

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom @dimen/margin5dp

password

phoneNumber

privateimeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 300

scrollbarFadeDuratio 250

scrollbarSize 10dip

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scrollbarThumbHorizontal)

scrollbarThumbVerti @android:drawable(scrollbarThumbVertical)

scrollbarTrackHorizo @null

scrollbarTrackVertica @null

Use the Resource manager to set the top padding

Device File Explorer

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (1 hour ago)

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle

activity_main.xml

MainActivity.java

Attributes

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

Then click OK

OK Cancel

Resources

Add new resource

Project	
buttonSize	34sp
hintSize	36sp
margin5dp	5dp
titleSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp

Device File Explorer

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Gradle Scripts

Activity Main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33%

In the Palette, select the Containers category

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(EditText)

Attributes

Ab txtTickets

numeric

onClick

overScrollMode

padding

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

Design Text

Ticket Vault

Number of Tickets

Ticket Vault

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test) generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

activity_main.xml x MainActivity.java x

Palette

Common Spinner RecyclerView ScrollView HorizontalScrollView NestedScrollView ViewPager CardView AppBarLayout NavigationView BottomNavigationView Toolbar TabLayout TabItem ViewStub <include> <fragment> NavHostFragment <view> <requestFocus>

Attributes

Ab txtTickets EditText numeric onClick overScrollMode padding padding paddingLeft paddingTop paddingRight paddingBottom password phoneNumber privateimeOptions requiresFadingEdge rotation rotationX rotationY rotationY saveEnabled scaleX scaleY scrollHorizontally scrollIX scrollY scrollbarAlwaysDraw scrollbarAlwaysDraw scrollbarDefaultDela 300 scrollbarFadeDuration 250 scrollbarSize 10dip scrollbarStyle scrollbarThumbHorizontal @android:drawable(scrollbarThumbHorizontal) scrollbarThumbVertical @android:drawable(scrollbarThumbVertical) scrollbarTrackHorizontal @null scrollbarTrackVertical @null

To add a Spinner, as with other UI components, select and right-click on the Spinner in the Palette ...

We now add the Spinner control that uses the txtGroup string-array and allows the user to choose which group's concert they want to attend.

Using the Spinner Android Control is discussed on pages 100-101 of Android Boot Camp.

Ticket Vault

Pixel 28 NoTitleBar Default (en-us) 33% 33%

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Gradle Scripts

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
 - edu.udayton.concertickets (androidTest)
 - edu.udayton.concertickets (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Palette

activity_main.xml MainActivity.java

Common

- Spinner
- RecyclerVi
- ScrollView
- Horizontal
- NestedScr

Text

- Favorite

Buttons

- Android Documentation Shift+F1
- Material Guidelines

Widgets

- ViewPager
- CardView
- AppBarLayout
- NavigationView
- BottomNavigation
- Toolbar
- TabLayout
- TabItem
- ViewStub
- <include>
- <> <fragment>
- NavHostFragment
- <view>
- <> <requestFocus>

Containers

Google

Legacy

Add to Design

... then select Add to Design from the menu that appears

Attributes

- Ab txtTickets
- numeric
- onClick
- overScrollMode
- padding
 - padding
 - paddingLeft
 - paddingTop @dime
 - paddingRight
 - paddingBottom @dime
- password
- phoneNumber
- privateImeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollI
- scrollY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDela 300
- scrollbarFadeDuratio 250
- scrollbarSize 10dip
- scrollbarStyle
- scrollbarThumbHoriz @android:drawab
- scrollbarThumbVerti @android:drawab
- scrollbarTrackHorizo @nul
- scrollbarTrackVertica @nul

Ticket Vault

Number of Tickets

Ticket Vault

Component Tree

- LinearLayout(vertical)
 - Ab titleTextView- "@string/btTitle"
 - Ab txtTickets(Number)

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test) generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Common Text Buttons Widgets Layouts Containers Google Legacy

Spinner RecyclerView ScrollView HorizontalScrollView NestedScrollView ViewPager CardView AppBarLayout NavigationView BottomNavigationView Toolbar TabLayout TabItem ViewStub <include> <fragment> NavHostFragment <view> <requestFocus>

Ticket Vault Number of Tickets Item 1

Change the Spinner's ID

Again, this ID change is more important (than, say the title's ID change), since this component will be accessed in the Java code for this activity

Declared Attributes

Layout

out_width match_parent

out_height wrap_content

out_weight

visibility

Common Attributes

spinnerMode dialog

entries

background @android:drawable/btn_c

popupBackground @android:drawable/spinn

minWidth

dropDownWidth wrap_content

All Attributes

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChani

animationCache

background @android:drawable/btn_c

clickable true

clipChildren

clipToPadding

contentDescription

descendantFocusab

drawingCacheQualit

dropDownSelector @android:drawable/list_se

dropDownWidth wrap_content

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:Project

Java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Spinner

RecyclerView

ScrollView

HorizontalScrollView

NestedScrollView

ViewPager

CardView

AppBarLayout

NavigationView

BottomNavigation

Toolbar

TabLayout

TabItem

ViewStub

<include>

<fragment>

NavHostFragment

<view>

<requestFocus>

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

Design Text

Attributes

txtGroup

id txtGroup

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

spinnerMode dialog

entries

Set the Spinner's entries ...

All Attributes

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChani

animationCache

background @android:drawable/btn_c

clickable true

clipChildren

clipToPadding

contentDescription

descendantFocusab

drawingCacheQualit

dropDownSelector @android:drawable/list_se

dropDownWidth wrap_content

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:Project

Java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Spinner

RecyclerView

ScrollView

HorizontalScrollView

NestedScrollView

ViewPager

CardView

AppBarLayout

NavigationView

BottomNavigation

Toolbar

TabLayout

TabItem

ViewStub

<include>

<> <fragment>

NavHostFragment

<view>

<> <requestFocus>

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

Default (en-us)

33%

Attributes

txtGroup

id

Declared Attributes

Layout

layout_width

layout_height

layout_weight

visibility

visibility

Common Attributes

spinnerMode

@array/txtGroup

background

popupBackground

minWidth

dropDownWidth

All Attributes

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChani

animationCache

background

clickable

clipChildren

clipToPadding

contentDescription

descendantFocusab

drawingCacheQualit

dropDownSelector

dropDownWidth

Event Log

Design Text

Ticket Vault

Number of Tickets

Item 1

... by typing the string-array resource path, as shown here, as the entries value (remember to hit Enter to commit the value change)

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure 3:Favorites 4:Build Variants 5:Layout Captures

Android

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test) generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

activity_main.xml MainActivity.java

Palette Attributes

Common Text Buttons Widgets Layouts Containers Google Legacy

Spinner RecyclerView ScrollView HorizontalScrollView NestedScrollView ViewPager CardView AppBarLayout NavigationView BottomNavigationView Toolbar TabLayout TabItem ViewStub <include> <fragment> NavHostFragment <view> <requestFocus>

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

txtGroup overScrollMode padding [?, ?, ?, ?, ?] persistentDrawingC popupBackground @android:drawable/spinn prompt requiresFadingEdge rotation rotationX rotationY saveEnabled scaleX scaleY scrollX scrollY scrollbarAlwaysDraw scrollbarAlwaysDraw scrollbarDefaultDela 300 scrollbarFadeDuration 250 scrollbarSize 10dip scrollbarStyle scrollbarThumbHorizontal @android:drawable(scrollbarThumbHorizontal) scrollbarThumbVertical @android:drawable(scrollbarThumbVertical) scrollbarTrackHorizontal @null scrollbarTrackVertical @null scrollbars soundEffectsEnabled spinnerMode dialog splitMotionEvents style @android:style/Widget tag targetApi theme

Click to expand the Padding attributes

Ticket Vault
Number of Tickets
Item 1

Component Tree

LinearLayout(vertical)
Ab titleTextView- "@string/btTitle"
Ab txtTickets(Number)
txtGroup

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Pixel 28 NoTitleBar Default (en-us) 33%

Activity Main.xml x MainActivity.java x

Palette

Common Text Buttons Widgets Layouts Containers Google Legacy

Spinner RecyclerView ScrollView HorizontalScrollView NestedScrollView ViewPager CardView AppBarLayout NavigationView BottomNavigationView Toolbar TabLayout TabItem ViewStub <include> <fragment> NavHostFragment <view> <requestFocus>

Component Tree

LinearLayout(vertical)
Ab titleTextView- "@string/btTitle"
Ab txtTickets(Number)
txtGroup

Ticket Vault

Number of Tickets

Item 1

Attributes

txtGroup Spinner
overScrollMode
padding [?, ?, ?, ?, ?]
padding paddingLeft paddingTop paddingRight paddingBottom
persistentDrawingC
popupBackground @android:drawable/spinn
prompt
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollX
scrollY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela 300
scrollbarFadeDuratio 250
scrollbarSize 10dip
scrollbarStyle
scrollbarThumbHoriz @android:drawable/scroll
scrollbarThumbVerti @android:drawable/scroll
scrollbarTrackHorizo @null
scrollbarTrackVertica @null
scrollbars
soundEffectsEnable
spinnerMode dialog

Use the Resource manager to set the bottom padding

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
 - edu.udayton.concertickets (androidTest)
 - edu.udayton.concertickets (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle

activity_main.xml

MainActivity.java

Resources

Add new resource

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

buttonSize: 34sp

hintSize: 36sp

titleSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Attributes

txtGroup

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

persistentDrawing

popupBackground

prompt

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

soundEffectsEnable

spinnerMode

Vault

Then click OK

OK Cancel

Design Text

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity Main XML

MainActivity.java

Palette

Common Text Buttons Widgets Layouts Containers Google Legacy

Spinner RecyclerView ScrollView HorizontalScrollView NestedScrollView ViewPager CardView AppBarLayout NavigationView BottomNavigationView Toolbar TabLayout TabItem ViewStub <include> <fragment> NavHostFragment <view> <requestFocus>

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"
Ab txtTickets(Number)
txtGroup

Attributes

txtGroup Spinner
overScrollMode
padding [?, ?, ?, @dimen/margin5dp]
paddingLeft
paddingTop
paddingRight
paddingBottom @dimen/margin5dp
persistentDrawingC
popupBackground @
prompt
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollX
scrollY
scrollbarAlwaysDraw
scrollbarDefaultDela
scrollbarFadeDuratio
scrollbarSize 10dip
scrollbarStyle
scrollbarThumbHoriz @android:drawable/scrol
scrollbarThumbVerti @android:drawable/scrol
scrollbarTrackHorizo @null
scrollbarTrackVertica @null
scrollbars
soundEffectsEnable
spinnerMode dialog

Ticket Vault

Number of Tickets

Item 1

Use the Resource manager to set the top padding

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

Gradle Scripts

Activity Vault

Attributes

txtGroup

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

persistentDrawingC

popupBackground

prompt

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

soundEffectsEnable

spinnerMode

Spinner

Gradle

Resources

Add new resource

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

buttonSize: 34sp

hintSize: 36sp

titleSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Attributes

txtGroup Spinner

overScrollMode

padding [?, ?, @dimen/margin5dp, ?, @dir]

padding

paddingLeft

paddingTop @dimen/margin5dp

paddingRight

paddingBottom @dimen/margin5dp

persistentDrawingC

popupBackground @android:drawable/spinn

prompt

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollIX

scrollIY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 300

scrollbarFadeDuratio 250

scrollbarSize 10dip

scrollbarStyle

scrollbarThumbHoriz @android:drawable/scroll

scrollbarThumbVerti @android:drawable/scroll

scrollbarTrackHorizo @null

scrollbarTrackVertica @null

scrollbars

soundEffectsEnable

spinnerMode dialog

Ticket Vault

Number of Tickets

Item 1

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

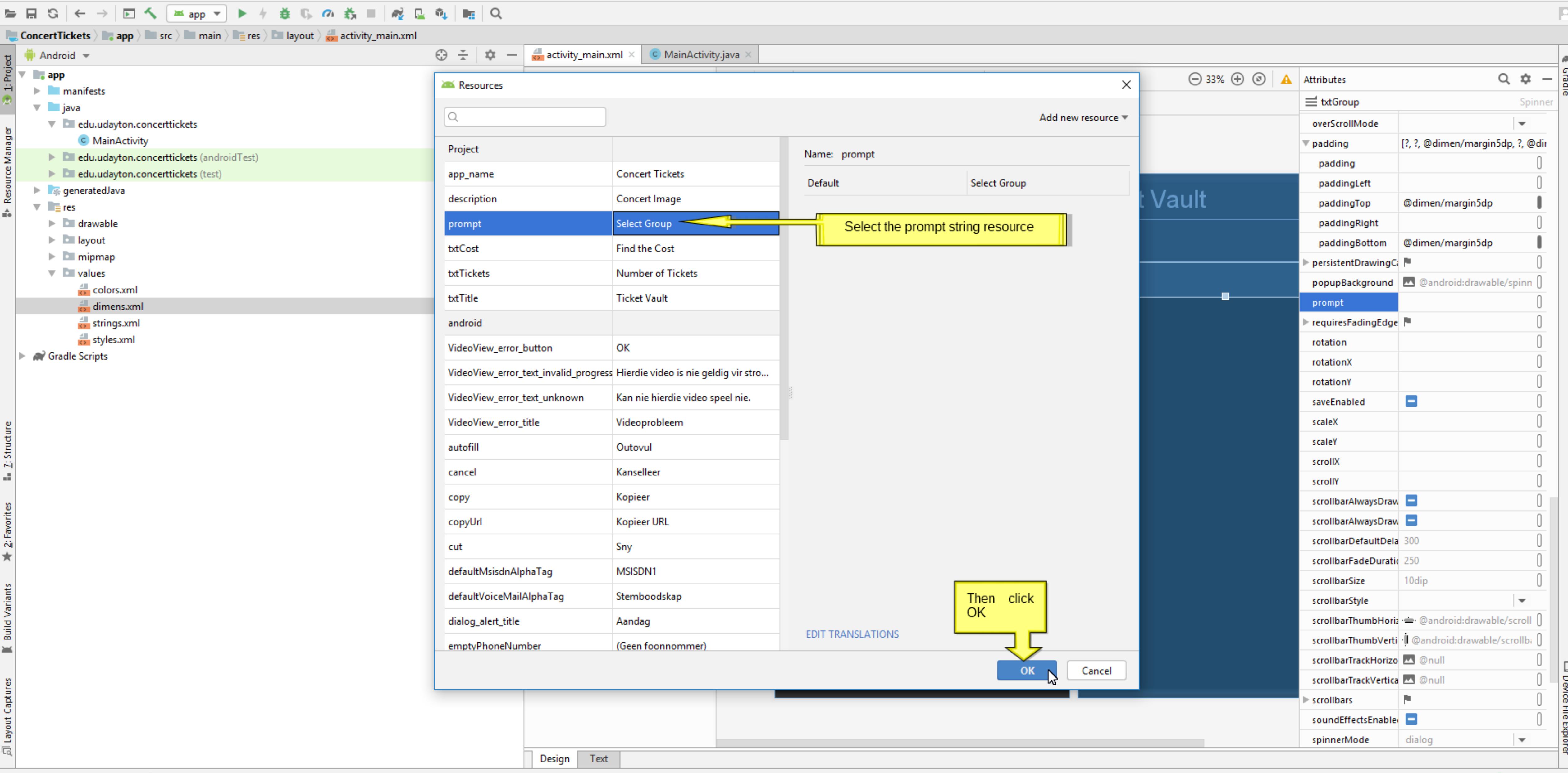
txtGroup

Design Text

Use the Resource manager to set the string resource for the Spinner prompt

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log



ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity

Manifest

Java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Attributes

txtGroup

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

persistentDrawing

popupBackground

prompt

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarDefaultDelta

scrollbarFadeDuration

scrollbarSize

scrollbarStyle

scrollbarThumbHorizontal

scrollbarThumbVertical

scrollbarTrackHorizontal

scrollbarTrackVertical

scrollbars

soundEffectsEnabled

spinnerMode

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Common Text Buttons Widgets Layouts

To add a Button, we first switch to the Buttons Palette category

Ticket Vault

Number of Tickets

Item 1

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

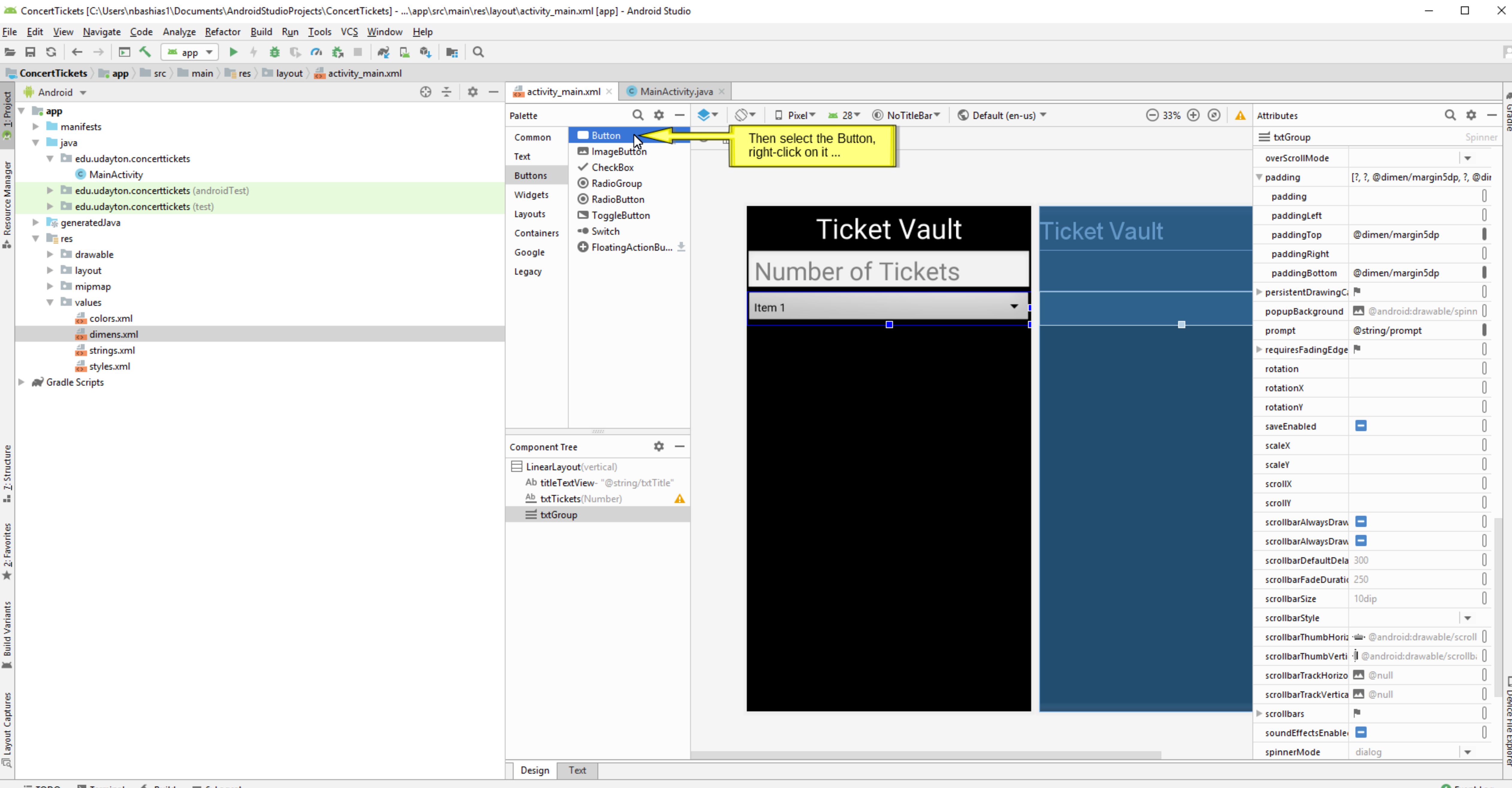
Ab txtTickets(Number)

txtGroup

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)



ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager

Palette Attributes

Common Text Buttons Widgets Layouts Containers Google Legacy

... then select Add to Design from the menu that appears

Add to Design

MainActivity.java

activity_main.xml

Attributes

txtGroup

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

persistentDrawingC

popupBackground

prompt

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

soundEffectsEnable

spinnerMode

Gradle

Ticket Vault

Number of Tickets

Item 1

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

Design Text

Layout Captures

Build Variants

2: Favorites

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Button ImageButton CheckBox RadioGroup RadioButton ToggleButton Switch FloatingActionButton

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "Button"

Design Text

This control will also be accessed in the Java code, so we need to change its ID

Ticket Vault

Number of Tickets

Item 1

Button

TICKET

BUTTON

Attributes

btnCost

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

style @android:style/Widget

onClick

background @android:drawable/btn_c

text Button

text

contentDescription

textAppearance @android:style/TextAp

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/primary_

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background @android:drawable/btn_c

bufferType

capitalize

clickable true

contentDescription

Device File Explorer

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main XML

MainActivity.java

Attributes

id: btnCost

Declared Attributes

Layout

Common Attributes

text: Button

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

Use the Resource manager to set the Button's text (label)

Ticket Vault

Number of Tickets

Item 1

Button

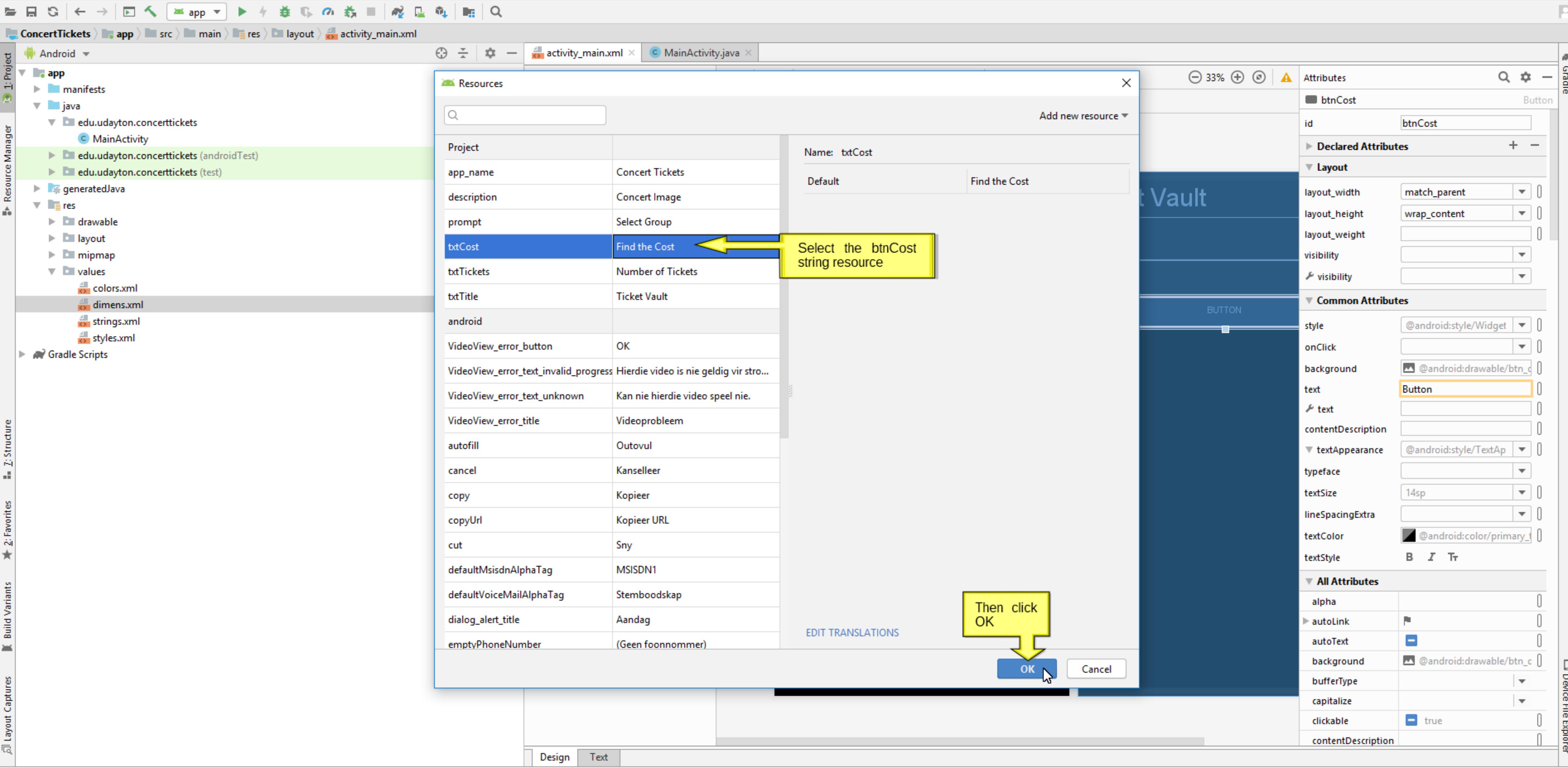
B I Tr

Design Text

Pixel 28 NoTitleBar Default (en-us) 33%

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Event Log



ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

activity_main.xml

MainActivity.java

Attributes

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault

Number of Tickets

Item 1

Find the Cost

FIND THE COST

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

Design Text

Use the Resource manager to set the Button's text size

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
 - edu.udayton.concertickets (androidTest)
 - edu.udayton.concertickets (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml
- Gradle Scripts

Resources

Add new resource

Project

		Name:	
buttonSize	34sp	buttonSize	34sp
hintSize	36sp		
margin5dp	5dp		
titleSize	40sp		
android			
app_icon_size	48dip		
dialog_min_width_major	55%		
dialog_min_width_minor	80%		
notification_large_icon_height	64dp		
notification_large_icon_width	64dp		
thumbnail_height	360dp		
thumbnail_width	360dp		

Select the buttonSize dimension resource

Then click OK

Attributes

btnCost

id btnCost

Declared Attributes

Layout

- layout_width match_parent
- layout_height wrap_content
- layout_weight
- visibility
- visibility

Common Attributes

- style @android:style/Widget
- onClick
- background @android:drawable/btn_c
- text @string/txtCost
- text
- contentDescription
- textAppearance @android:style/TextAp
- typeface
- textSize 14sp
- lineSpacingExtra
- textColor @android:color/primary_
- textStyle B I Tr

All Attributes

- alpha
- autoLink
- autoText
- background @android:drawable/btn_c
- bufferType
- capitalize
- clickable true
- contentDescription

Vault

FIND THE COST

OK Cancel

Design Text

Device File Explorer

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity: activity_main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33%

Attributes

btnCost

id btnCost

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

onClick

background @android:drawable/btn_c

text @string/txtCost

text

contentDescription

textAppearance @android:style/TextAp

typeface

textSize @dimen/buttonSize

lineSpacingExtra

textColor @android:color/primary_

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background @android:drawable/btn_c

bufferType

capitalize

clickable true

contentDescription

Gradle

Ticket Vault

Number of Tickets

Item 1

Find the Cost

FIND

We can resize the button horizontally so that it is just wide enough to contain its label (and look more like a button)

Pull down the value menu associated with the layout_width attribute (as we did for the title TextView) ...

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

Design Text

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity

Manifest

Java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Button

ImageButton

CheckBox

RadioGroup

RadioButton

ToggleButton

Switch

FloatingActionButton

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

Design Text

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COST

Attributes

btnCost

id btnCost

Declared Attributes

Layout

layout_width match_parent

layout_height match_parent

layout_weight wrap_content

visibility

visibility

Common Attributes

style

onClick

background

@android:drawable/btn_c

text

@string/txtCost

text

contentDescription

textAppearance

@android:style/TextAp

typeface

textSize

@dimen/buttonSize

lineSpacingExtra

textColor

@android:color/primary_

textStyle

B I Tr

All Attributes

alpha

autoLink

autoText

background

@android:drawable/btn_c

bufferType

capitalize

clickable true

contentDescription

... and select the wrap_content option

Device File Explorer

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main XML

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Button ImageButton CheckBox RadioGroup RadioButton ToggleButton Switch FloatingActionButton

Ticket Vault

Number of Tickets

Item 1

Find the Cost

FIND THE COST

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

So, the match_parent setting sets the UI element's dimension to that of its parent (container), while the wrap_content setting sets the dimension just large enough to display the UI element's content (e.g., text).

"Oh no! Now the button is no longer centered in the layout!"

Not a problem; we can correct that by setting the layout_gravity property.

Design Text

Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:Project

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
 - edu.udayton.concertickets (androidTest)
 - edu.udayton.concertickets (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml
- Gradle Scripts

Palette

Common

- Button
- ImageButton
- CheckBox
- RadioGroup
- RadioButton
- ToggleButton
- Switch
- FloatingActionButton

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Component Tree

- LinearLayout(vertical)
 - Ab titleTextView- "@string/btTitle"
 - Ab txtTickets(Number)
 - txtGroup
 - btnCost- "@string/btCost"

Design Text

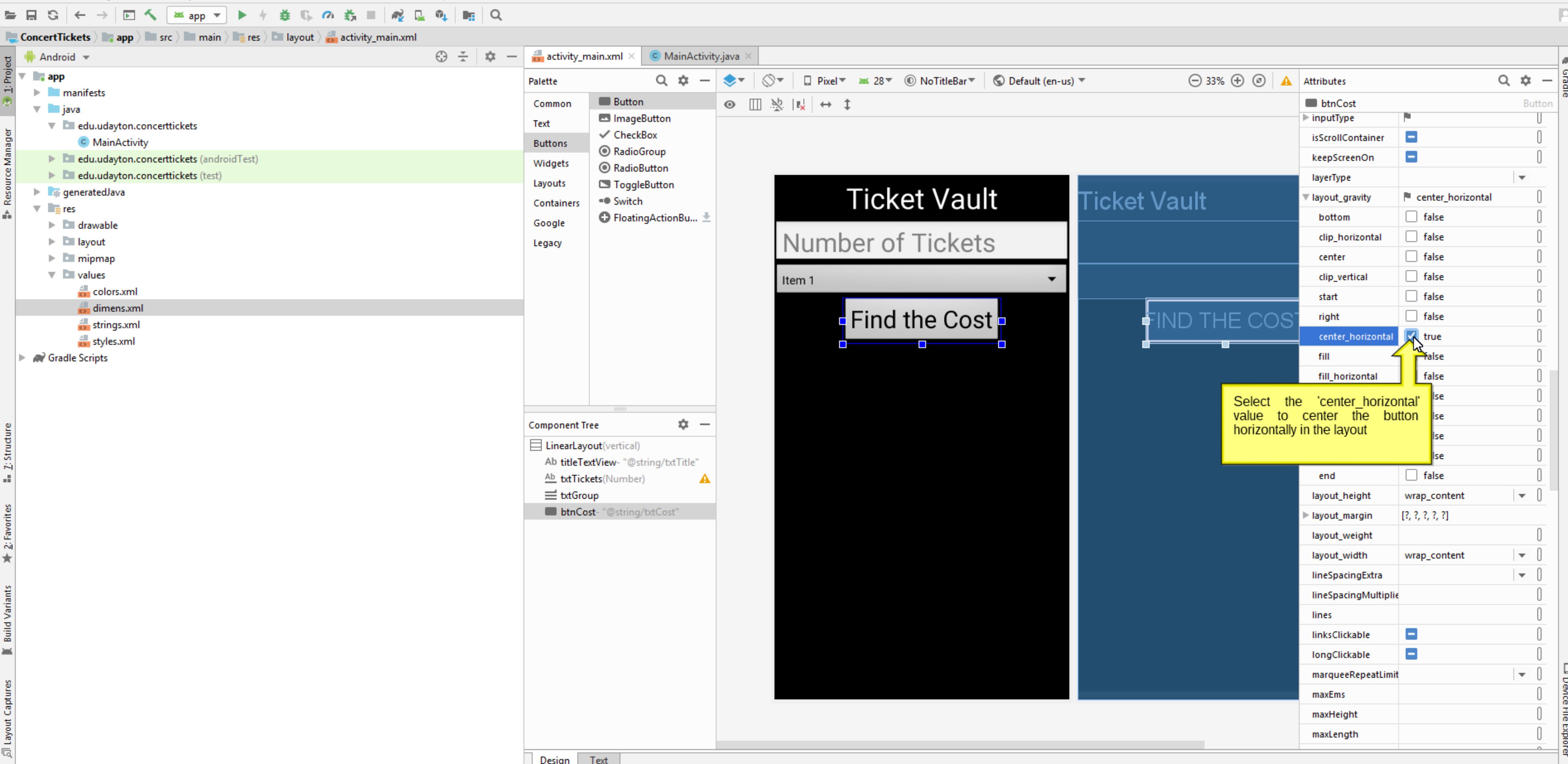
activity_main.xml MainActivity.java

Default (en-us) 33%

Attributes

- btnCost
- inputType
- isScrollContainer
- keepScreenOn
- layerType
- layout_gravity
- layout_height
- layout_margin
- layout_weight
- layout_width
- lineSpacingExtra
- lineSpacingMultiple
- lines
- linksClickable
- longClickable
- marqueeRepeatLimit
- maxEms
- maxHeight
- maxLength
- maxLines
- maxWidth
- minEms
- minHeight
- minLines
- minWidth
- nextFocusDown
- nextFocusForward
- nextFocusLeft
- nextFocusRight
- nextFocusUp
- numeric
- onClick
- overScrollMode

As with the gravity attribute, click to expand the layout_gravity attribute





1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

ConcertTickets

activity_main.xml MainActivity.java

Attributes

btnCost
onClick
overScrollMode
padding
password
phoneNumber
privateimeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollIY
scrollbarAlwaysDraw
scrollbarDefaultDela
scrollbarFadeDuratio
scrollbarSize
scrollbarStyle
scrollbarThumbHoriz
scrollbarThumbVerti
scrollbarTrackHorizo
scrollbarTrackVertica
scrollbars
selectAllOnFocus
shadowColor
shadowDx
shadowDy
shadowRadius

Click to expand the Padding attributes

Ticket Vault

Number of Tickets

Item 1

Find the Cost

FIND THE COST

Component Tree

LinearLayout(vertical)

- Ab titleTextView- "@string/btTitle"
- Ab txtTickets(Number)
- txtGroup
- btnCost- "@string/btCost"

Design Text

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

activity_main.xml MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33%

Attributes

btnCost onClick overScrollMode padding padding paddingLeft paddingTop paddingRight paddingBottom password phoneNumber privateImeOptions requiresFadingEdge rotation rotationX rotationY saveEnabled scaleX scaleY scrollHorizontally scrollIX scrollIY scrollabarAlwaysDraw scrollabarDefaultDela scrollabarFadeDuration scrollabarSize scrollabarStyle scrollabarThumbHorizontal scrollabarThumbVertical scrollabarTrackHorizontal scrollabarTrackVertical scrollbars

Ticket Vault

Number of Tickets

Item 1

Find the Cost

TICKET VAULT

FIND THE COST

Use the Resource manager to set the bottom padding

Design Text

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

1: Favorites

Gradle Scripts

Activity Main XML

MainActivity.java

Attributes

btnCost
onClick
overScrollMode
padding
paddingBottom
paddingLeft
paddingRight
paddingTop
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIHX
scrollIHY
scrollbarAlwaysDraw
scrollbarDefaultDela
scrollbarFadeDuratio
scrollbarSize
scrollbarStyle
scrollbarThumbHoriz
scrollbarThumbVerti
scrollbarTrackHorizo
scrollbarTrackVertica
scrollbars

Resources

Add new resource

Name: margin5dp

Default: 5dp

buttonSize: 34sp

hintSize: 36sp

margin5dp: 5dp

titleSize: 40sp

android:

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Select the 5-pixel margin spacing

Then click OK

OK Cancel

Design Text

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

Java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Attributes

btnCost

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollI

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

Design Text

Use the Resource manager to set the top padding

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

1:Project

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- edu.udayton.concertickets (androidTest)
- edu.udayton.concertickets (test)

generatedJava

res

- drawable
- layout
- mipmap
- values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle Scripts

Resources

Add new resource

Project

Name: margin5dp

Default: 5dp

Resource	Value
buttonSize	34sp
hintSize	36sp
margin5dp	5dp
titleSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp

Select the 5-pixel margin spacing

Attributes

- btnCost
- onClick
- overScrollMode
- padding
 - [?, ?, ?, @dimen/margin5dp]
 - padding
 - paddingLeft
 - paddingTop
 - paddingRight
 - paddingBottom
 - @dimen/margin5dp
- password
- phoneNumber
- privateImeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollI
- scrollY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDela
- scrollbarFadeDuratio
- scrollbarSize
- scrollbarStyle
- scrollbarThumbHoriz
- scrollbarThumbVerti
- scrollbarTrackHorizo
- scrollbarTrackVertica
- scrollbars

FIND THE COST Vault

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Activity Main XML

MainActivity.java

Attributes

btnCost

scrollbarTrackVertical @null

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

shadowRadius

singleLine

soundEffectsEnabled

style @android:style/Widget

tag

targetApi

text @string/txtCost

textAllCaps

textColor android:color/primary_t

textColorHighlight #9983CC39

textSize @dimen/buttonSize

textStyle normal

theme

transformPivotX

transformPivotY

translationX

translationY

typeface

verticalScrollbarPosit

visibility

width

Design Text

Ticket Vault

Number of Tickets

Item 1

Find the Cost

FIND THE COST

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

As we did in Lesson 2 (Healthy Recipes), click the textAllCaps setting twice ...

Device File Explorer

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity

Manifest

Java

edu.udayton.concerttickets

MainActivity

edu.udayton.concerttickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Attributes

btnCost

scrollbarTrackVertical

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

shadowRadius

singleLine

soundEffectsEnabled

style

tag

targetApi

text

textAllCaps

textColor

textColorHighlight

textStartX

textSize

textStyle

theme

transformPivotX

transformPivotY

translationX

translationY

typeface

verticalScrollbarPosition

visibility

width

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

Design Text

FIND THE COST

... to set it to false, so that the button text is not shown in all caps when the app is executed

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test) generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

Resource Manager

Did you remember to first change the Palette category to Text?

Palette

Common Text Button Widget

Ab TextView Ab Plain Text Ab Password Ab Password (Numer... Ab E-mail Ab Phone Ab Postal Address Ab Multiline Text Ab Time Ab Date Ab Number Ab Number (Signed) Ab Number (Decimal) Ab AutoCompleteTe... Ab MultiAutoCompl... Ab CheckedTextV Ab TextInputLayout

Component Tree

LinearLayout(vertical)
Ab titleTextView- "@string/btTitle"
Ab txtTickets(Number)
Ab txtGroup
Ab btnCost- "@string/btCost"

Default (en-us)

33%

Add a second TextView for the output with:
1. id = txtResult
2. text: blank (no text)

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COST

Attributes

btnCost

id btnCost

Declared Attributes

Layout

layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility

Common Attributes

style @android:style/Widget
onClick
background @android:drawable/btn_c
text @string/txtCost
text
contentDescription
textAppearance @android:style/TextAp
typeface
textSize @dimen/buttonSize
lineSpacingExtra
textColor @android:color/primary_1
textStyle B I Tr

All Attributes

alpha
autoLink
autoText
background @android:drawable/btn_c
bufferType
capitalize
clickable true
contentDescription

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity: activity_main.xml

MainActivity.java

Palette

Common

Text

Add TextView

Plain Text

Favorite

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ab TextView Add to Design

Ab Plain Text Ab Password Ab Password (Ab E-mail Ab Phone Ab Postal Address Ab Multiline Text Ab Time Ab Date Ab Number Ab Number (Signed) Ab Number (Decimal) Ab AutoCompleteTe... Ab MultiAutoCompl... Ab CheckedTextView Ab TextInputLayout

Click to add the TextView

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

Design Text

Attributes

btnCost

id btnCost

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

style @android:style/Widget

onClick

background @android:drawable/btn_c

text @string/txtCost

text

contentDescription

textAppearance @android:style/TextAp

typeface

textSize @dimen/buttonSize

lineSpacingExtra

textColor @android:color/primary_

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background @android:drawable/btn_c

bufferType

capitalize

clickable true

contentDescription

Device File Explorer

TODO Terminal Build Logcat Event Log

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ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main XML

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Ab TextView

Ab Plain Text

Ab Password

Ab Password (Numer...)

Ab E-mail

Ab Phone

Ab Postal Address

Ab Multiline Text

Ab Time

Ab Date

Ab Number

Ab Number (Signed)

Ab Number (Decimal)

Ab AutoCompleteTe...

Ab MultiAutoCompl...

Ab CheckedTextView

Ab TextInputLayout

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

Ab txtGroup

Ab btnCost- "@string/btCost"

Ab txtResult- "TextView"

Design Text

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ab txtResult

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Since we will be accessing this TextView in our Java code to display output, change its ID

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COST

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

Java

edu.udayton.concertickets

MainActivity

edu.udayton.concertickets (androidTest)

edu.udayton.concertickets (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Attributes

Ab txtResult

id txtResult

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text

contentDescription

textAppearance @android:style/TextAp

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Pixel 28 NoTitleBar Default (en-us) 33% 33%

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

txtResult- "TextView"

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main.xml

MainActivity.java

Attributes

Ab txtResult

id txtResult

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

contentDescription

appearance

14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

drawableBottom

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

txtResult- "TextView"

Design Text

... and delete it

Remember that this TextView's text will be set in the Java code

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity Main

activity_main.xml

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

txtResult

Attributes

txtResult

id txtResult

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text

text

contentDescription

textAppearance

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary_text

textStyle B

All Attributes

alpha

autoLink

autoText

background

bufferType

capitalize

clickable

contentDescription

cursorVisible

digits

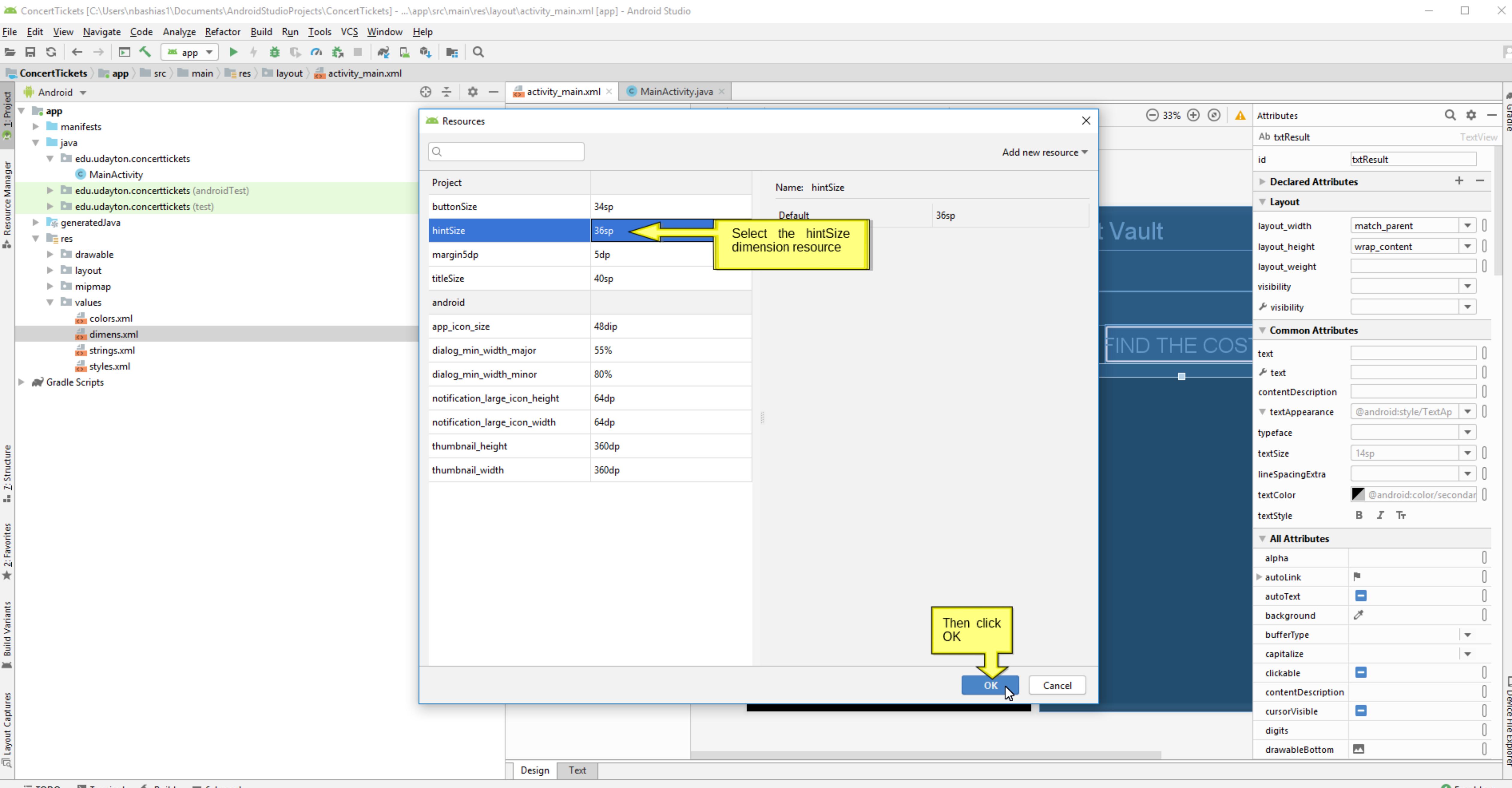
drawableBottom

Use the Resource manager to set the text size

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)



ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Ab TextView
Text Ab Plain Text
Ab Password
Ab Password (Numer...
Ab E-mail
Ab Phone
Ab Postal Address
Ab Multiline Text
Ab Time
Ab Date
Ab Number
Ab Number (Signed)
Ab Number (Decimal)
Ab AutoCompleteTe...
Ab MultiAutoCompl...
Ab CheckedTextVie...
Ab TextInputLayout

Attributes

Ab txtResult
onClick
overScrollMode
padding [?, ?, ?, ?, ?]
password
phoneNumber
privateimeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollIY
scrollbarAlwaysDraw
scrollbarDefaultDela 300
scrollbarFadeDuratio 250
scrollbarSize 10dip
scrollbarStyle
scrollbarThumbHoriz @android:drawable/scroll
scrollbarThumbVerti @android:drawable/scroll
scrollbarTrackHorizo @null
scrollbarTrackVertica @null
scrollbars
selectAllOnFocus
shadowColor
shadowDx
shadowDy
shadowRadius

Ticket Vault

Number of Tickets

Item 1

Find the Cost

FIND THE COST

Click to expand the Padding attributes

Component Tree

LinearLayout(vertical)
Ab titleTextView- "@string/btTitle"
Ab txtTickets(Number)
Ab txtGroup
Ab btnCost- "@string/btCost"
Ab txtResult

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:Project

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle Scripts

Palette

activity_main.xml MainActivity.java

Attributes

txtResult

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollI

scrollY

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COST

Component Tree

LinearLayout(vertical)

- titleTextView- "@string/btTitle"
- txtTickets(Number)
- txtGroup
- btnCost- "@string/btCost"
- txtResult

Design Text

Use the Resource manager to set the bottom padding

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

1: Favorites

Gradle Scripts

Attributes

Ab txtResult
onClick
overScrollMode
padding
paddingBottom
paddingLeft
paddingRight
paddingTop
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIHX
scrollIY
scrollbarAlwaysDraw
scrollbarDefaultDela
scrollbarFadeDuratio
scrollbarSize
scrollbarStyle
scrollbarThumbHoriz
scrollbarThumbVerti
scrollbarTrackHorizo
scrollbarTrackVertica
scrollbars

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

Resources

Add new resource

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

Then click OK

OK Cancel

Design Text

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:Project

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle Scripts

Component Tree

LinearLayout(vertical)

- titleTextView- "@string/btTitle"
- txtTickets(Number)
- txtGroup
- btnCost- "@string/btCost"
- txtResult

Design Text

activity_main.xml MainActivity.java

Palette

Common

- Ab TextView
- Ab Plain Text
- Ab Password
- Ab Password (Numer...)
- Ab E-mail
- Ab Phone
- Ab Postal Address
- Ab Multiline Text
- Ab Time
- Ab Date
- Ab Number
- Ab Number (Signed)
- Ab Number (Decimal)
- Ab AutoCompleteTe...
- MultiAutoCompl...
- CheckedTextView
- Ab TextInputLayout

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Attributes

Ab txtResult

onClick

overScrollMode

padding

paddingBottom @dimen/margin5dp

password

phoneNumber

privateimeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollIY

scrollbarAlwaysDraw

scrollbarDefaultDela 300

scrollbarFadeDuratio 250

scrollbarSize 10dip

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll

scrollbarThumbVerti @android:drawable(scroll

scrollbarTrackHorizo @null

scrollbarTrackVertica @null

scrollbars

Use the Resource manager to set the top padding

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COS

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Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

1:Project

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Gradle Scripts

2:Favorites

Layout Designer

activity_main.xml

MainActivity.java

Attributes

txtResult

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateimeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollIY

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

33%

Resources

Add new resource

Name: margin5dp

Default: 5dp

buttonSize: 34sp

hintSize: 36sp

margin5dp: 5dp

titleSize: 40sp

android:

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Select the 5-pixel margin spacing

Then click OK

OK Cancel

Design Text

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Event Log

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help



ConcertTickets > app > src > main > res > layout > activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

3:Favorites

TODO Terminal Build Logcat

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

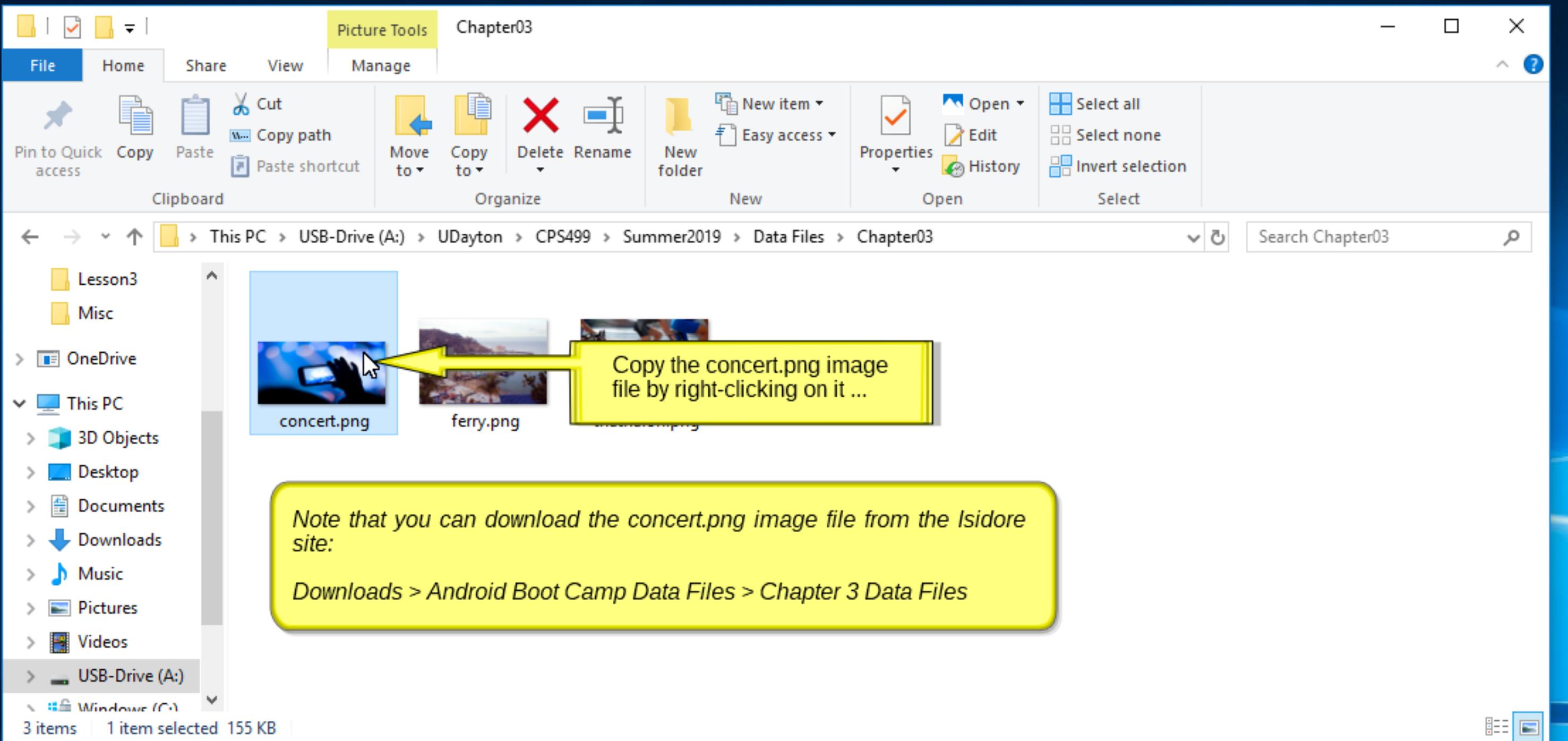
Minimize

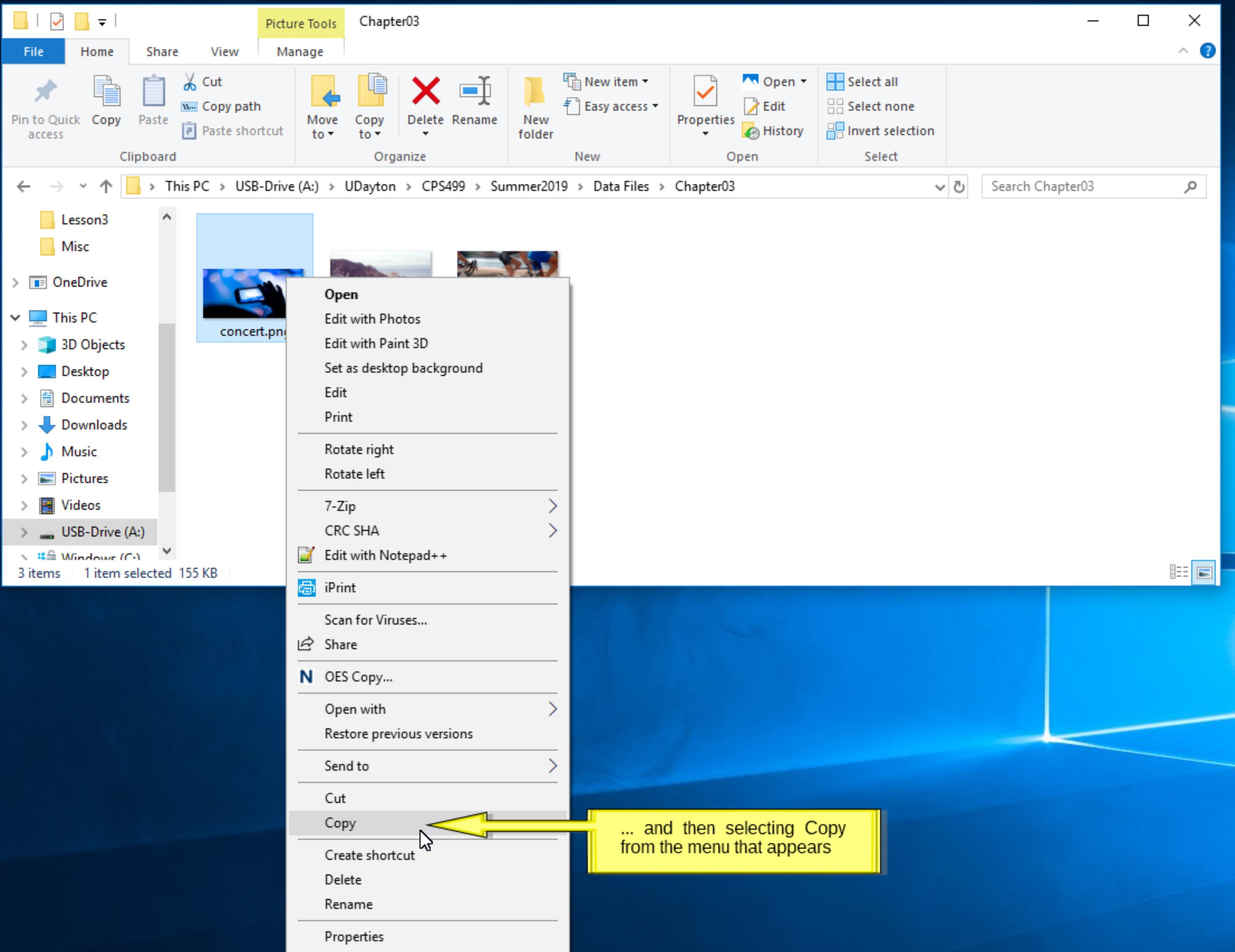
Time to import the concert image

Start by minimizing Android Studio

The screenshot shows the Android Studio interface for a project named "ConcertTickets". The project structure on the left includes files like `activity_main.xml`, `MainActivity.java`, and resource XML files for colors, dimensions, strings, and styles. The main workspace displays the "Design" tab of `activity_main.xml`, showing a layout with a title "Ticket Vault", a subtitle "Number of Tickets", a text input field containing "Item 1", and a button labeled "Find the Cost". A component tree on the right lists the layout components: `LinearLayout`, `titleTextView` (with string "@string/btTitle"), `txtTickets` (with type Number), `txtGroup` (with a warning icon), `btnCost` (with string "@string/btCost"), and `txtResult`. To the right of the design view is the "Text" tab, which contains the XML code for the layout. A yellow callout box in the top right corner suggests starting by minimizing the application.

Event Log





... and then selecting Copy from the menu that appears

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res drawable

1:Project Resource Manager 2:Structure Favorites Build Variants Build Captures Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Ab TextView
Text Ab Plain Text
Ab Password
Ab Password (Numer...
Ab E-mail
Ab Phone
Ab Postal Address
Ab Multiline Text
Ab Time
Ab Date
Ab Number
Ab Number (Signed)
Ab Number (Decimal)
Ab AutoCompleteTe...
Ab MultiAutoCompl...
Ab CheckedTextVie...
Ab TextInputLayout

Attributes

Ab txtResult
onClick
overScrollMode
padding
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateimeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollIY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela
scrollbarFadeDuratio
scrollbarSize
scrollbarStyle
scrollbarThumbHoriz
scrollbarThumbVerti
scrollbarTrackHorizo
scrollbarTrackVertica
scrollbars

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COS

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"
Ab txtTickets(Number)
Ab txtGroup
Ab btnCost- "@string/btCost"
Ab txtResult

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log



ConcertTickets > app > src > main > res > drawable

1:Project

Resource Manager

2:Structure

Favorites

Build Variants

Layout Captures

TODO Terminal

Paste from clipboard

Android

- app
 - manifests
 - java
 - edu.udayton.concertickets
 - MainActivity
 - edu.udayton.concertickets (androidTest)
 - edu.udayton.concertickets (test)
 - generatedJava
 - res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

New

Link C++ Project with Gradle

Cut Ctrl+X

Copy Ctrl+C

Copy Paths Ctrl+Shift+C

Copy References Ctrl+Alt+Shift+C

Paste

Find Usages

Analyze

Refactor

Add to Favorites

Show Image Thumbnails Ctrl+Shift+T

Reformat Code Ctrl+Alt+L

Optimize Imports Ctrl+Alt+O

Delete...

Run 'Tests in 'drawable'' Ctrl+Shift+F10

Debug 'Tests in 'drawable''

Run 'Tests in 'drawable'' with Coverage

Create 'Tests in 'drawable''...

Show in Explorer

Open in Terminal

Local History

Synchronize selected files

Edit Scopes...

File Path Ctrl+Alt+F12

Compare Directories Ctrl+D

Load/Unload Modules...

Remove BOM

Create Gist...

Convert Java File to Kotlin File Ctrl+Alt+Shift+K

Convert to WebP...

activity_main.xml MainActivity.java

Palette Attributes

Common Ab TextView Ab txtResult

Text Ab Plain Text onCLick

Buttons Ab Password overScrollMode

Widgets Ab Password (Numer... padding [? , ? , @dimen/margin5dp, ?, @dir

Layouts Ab E-mail paddingLeft

Containers Ab Phone paddingTop @dimen/margin5dp

Google Ab Postal Address paddingRight

Legacy Ab Multiline Text paddingBottom @dimen/margin5dp

Ab Time password

Ab Date phoneNumber

Ab Number privateimeOptions

Ab Number (Signed) requiresFadingEdge

Ab Number (Decimal)

Ab AutoCompleteTe... rotation

MultiAutoCompl... rotationX

CheckedTextView rotationY

Ab TextInputLayout saveEnabled

Component Tree scaleX

LinearLayout(vertical) scaleY

Ab titleTextView- "@string/btTitle" scrollHorizontally

Ab txtTickets(Number) scrollIIX

txtGroup scrollIY

btnCost- "@string/btCost" scrollbarAlwaysDraw

Ab txtResult scrollbarAlwaysDraw

Design Text

Ticket Vault

Number of Tickets

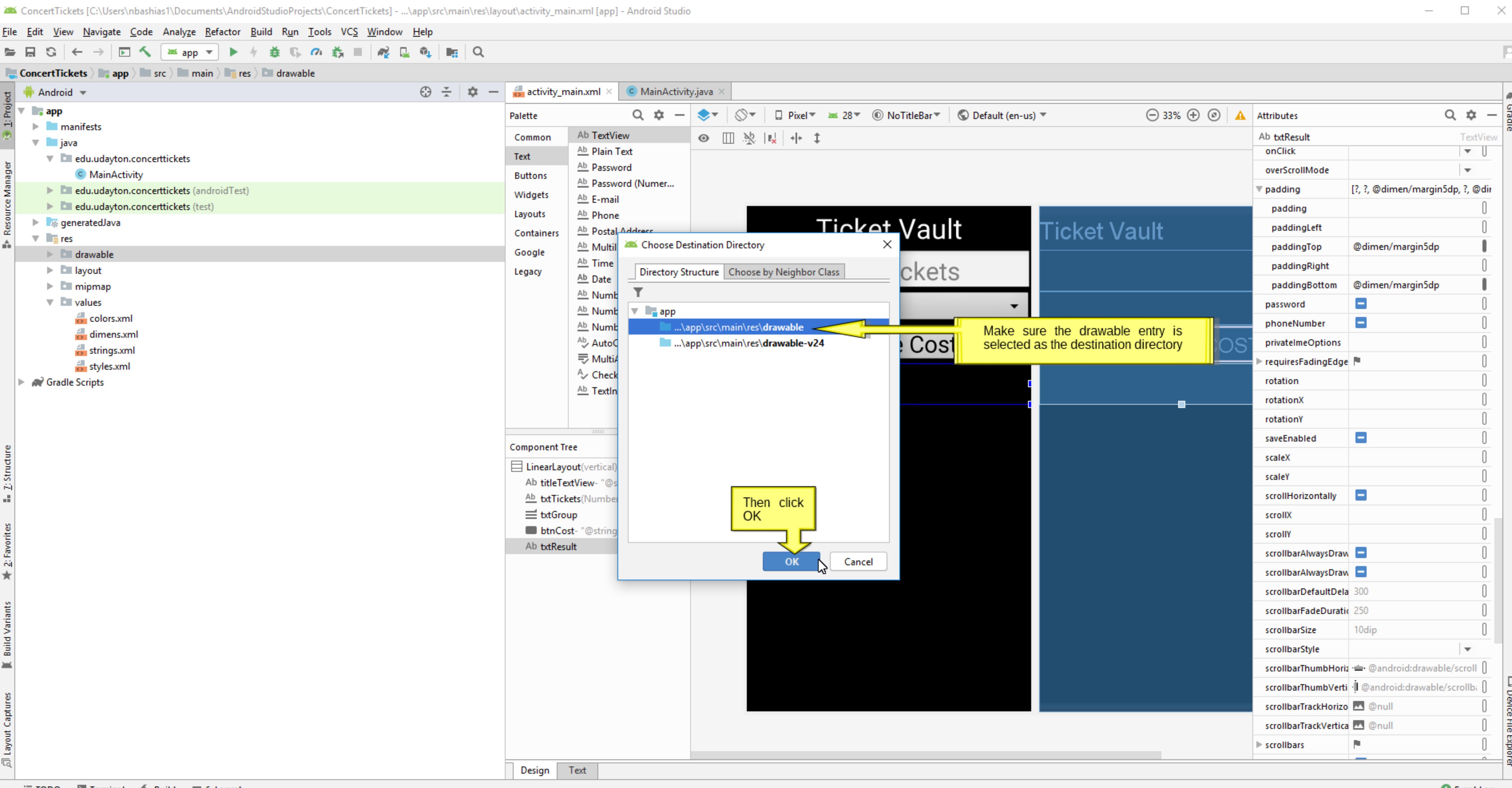
Item 1

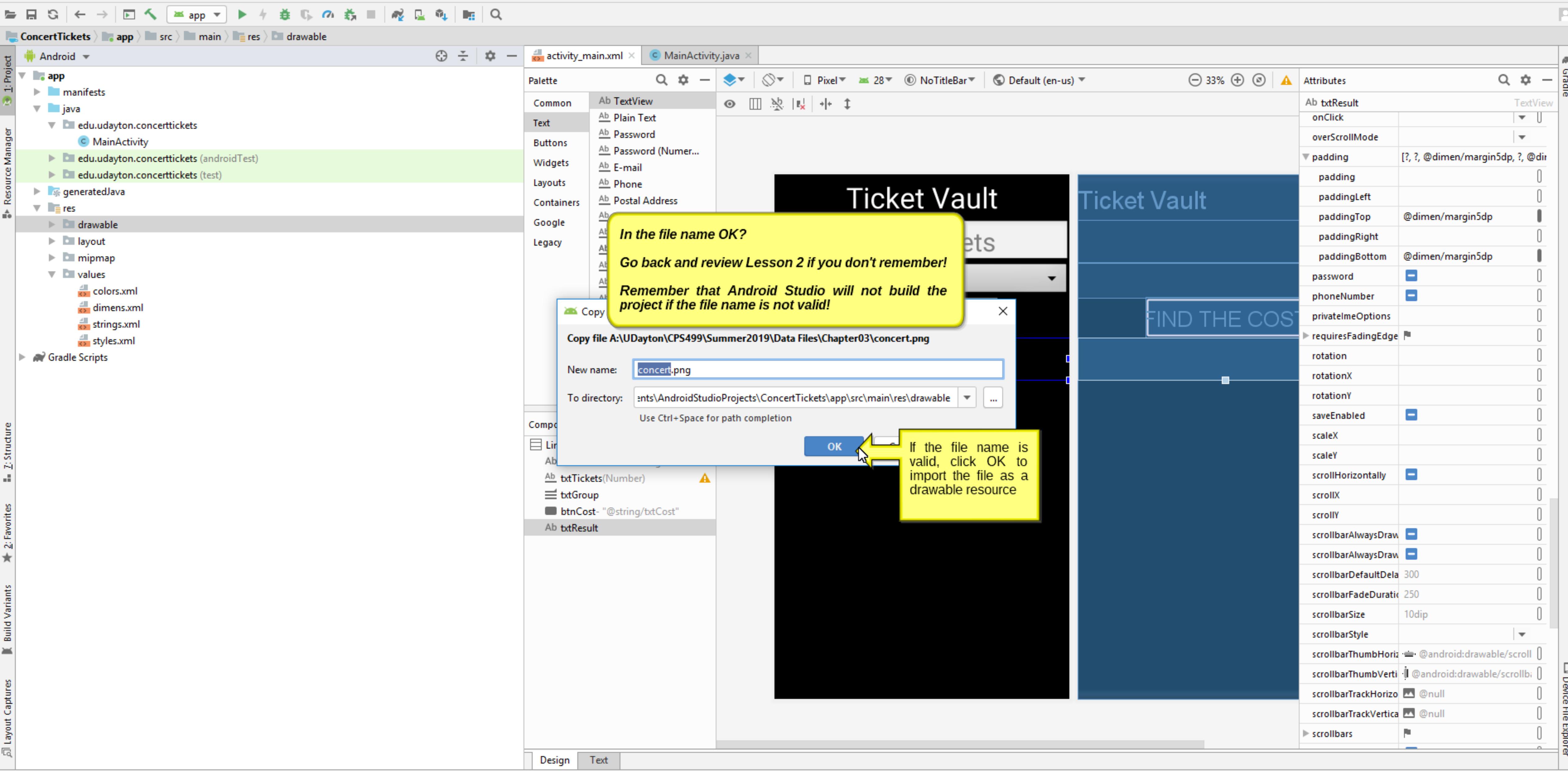
Find the Cost

Ticket Vault

FIND THE COS

Event Log







To add an ImageView for displaying the concert image, first switch back to the Common category in the Palette

The screenshot shows the Android Studio interface for editing the `activity_main.xml` layout file. The left sidebar displays the project structure under the `app` module. The main area shows the XML layout code and a preview of the UI. A yellow callout box points to the 'Common' tab in the palette, which is currently selected. The palette lists various UI components: TextView, Button, ImageView, RecyclerView, <fragment>, ScrollView, and Switch. The preview window shows a dark-themed screen with the title 'Ticket Vault' and a large button labeled 'Find the Cost'. The XML code in the editor includes components like `titleTextview`, `txtTickets`, `txtGroup`, `btnCost`, and `txtResult`. The right side of the interface shows the 'Attributes' panel for the selected `txtResult` component.

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test) generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

4:Logcat

activity_main.xml x MainActivity.java x

Palette

Common Ab TextView
Text Ab Button
Buttons Ab ImageView
Widgets Ab RecyclerView
Layouts Ab <fragment>
Containers Ab ScrollView
Google Ab Switch
Legacy

Attributes

Ab txtResult
onClick
overScrollMode
padding
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateimeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIIX
scrollIY
scrollbarAlwaysDraw
scrollbarDefaultDela
scrollbarFadeDuratio
scrollbarSize
scrollbarStyle
scrollbarThumbHoriz
scrollbarThumbVerti
scrollbarTrackHorizo
scrollbarTrackVertica
scrollbars

Design Text

Then add an ImageView to the layout

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COST

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

1:Project

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

activity_main.xml MainActivity.java

Attributes

Ab txtResult

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollIY

scrollbarAlwaysDraw

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Add to Design Enter

Favorite

✓ Favorite

Android Documentation Shift+F1

Material Guidelines

Ticket Vault

Number of Tickets

Item 1

Find the Cost

Ticket Vault

FIND THE COST

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"

Ab txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

Ab txtResult

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

1: Favorites

Gradle Scripts

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Resources

Add new resource

Drawable Sample data

- Color
- avatars
- backgrounds/scenic
- Project
- android

No Preview

OK Cancel

Design Text

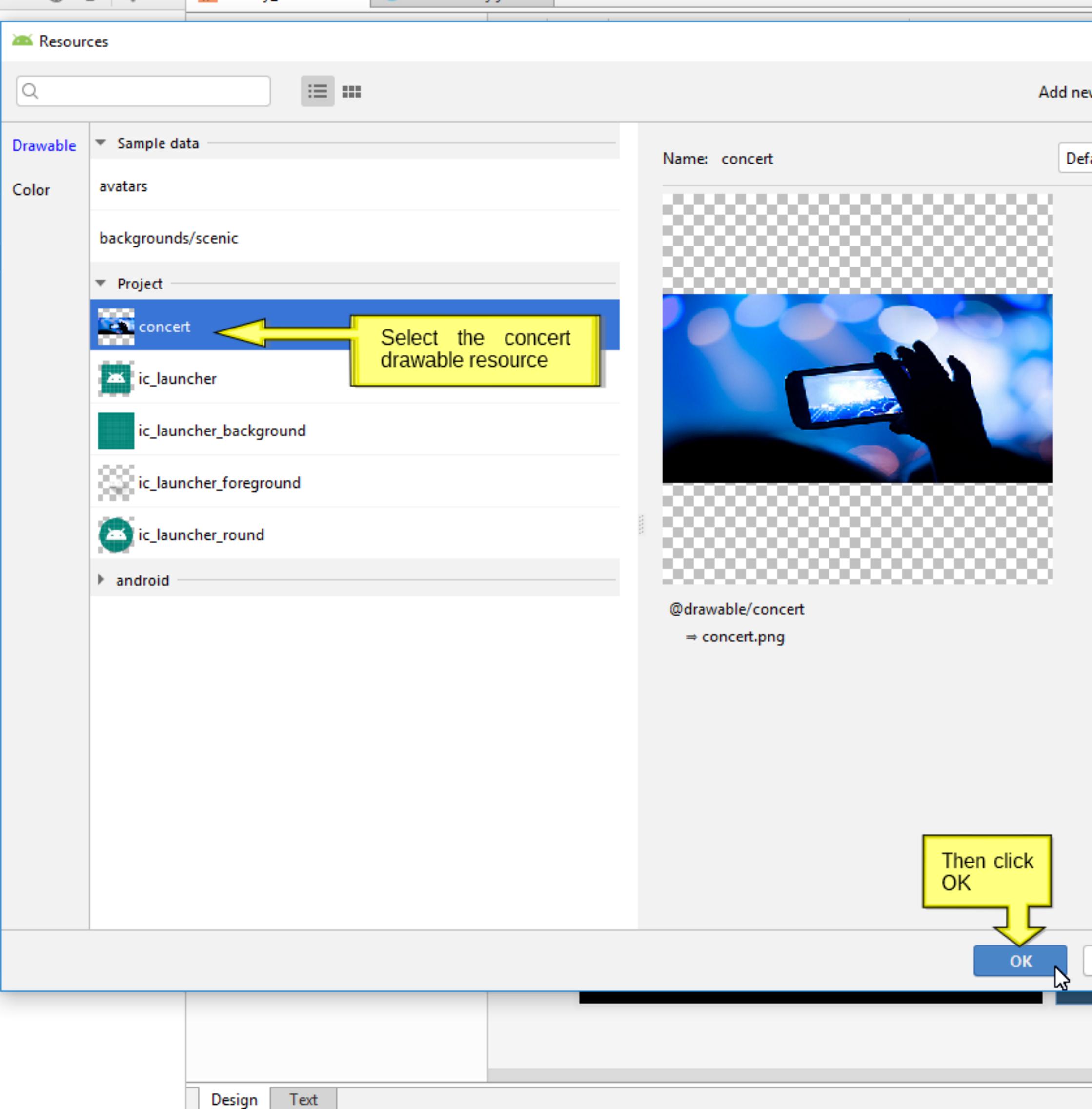
Attributes

Ab txtResult
onClick
overScrollMode
padding
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateimeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollLY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela 300
scrollbarFadeDuratio 250
scrollbarSize 10dip
scrollbarStyle
scrollbarThumbHoriz @android:drawable scroll
scrollbarThumbVerti @android:drawable scrollb
scrollbarTrackHorizo @null
scrollbarTrackVertica @null
scrollbars

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Event Log

To set the image to be displayed, expand the group of Project drawables



Attributes	
Ab	txtResult
onClick	
overScrollMode	
padding	[?, ?, @dimen/margin5dp, ?, @dir]
padding	
paddingLeft	
paddingTop	@dimen/margin5dp
paddingRight	
paddingBottom	@dimen/margin5dp
password	
phoneNumber	
privateImeOptions	
requiresFadingEdge	
rotation	
rotationX	
rotationY	
saveEnabled	
scaleX	
scaleY	
scrollHorizontally	
scrollIx	
scrollY	
scrollbarAlwaysDraw	
scrollbarAlwaysDraw	
scrollbarDefaultDela	300
scrollbarFadeDuratio	250
scrollbarSize	10dip
scrollbarStyle	
scrollbarThumbHoriz	@android:drawable/scroll
scrollbarThumbVerti	@android:drawable/scroll
scrollbarTrackHorizo	@null
scrollbarTrackVertica	@null
scrollbars	

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager

ConcertTickets

activity_main.xml MainActivity.java

Attributes concertImageView ImageView

Change the ImageView ID

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

srcCompat @drawable/concert

srcCompat

contentDescription

background

scaleType

adjustViewBounds

cropToPadding

All Attributes

adjustViewBounds

alpha

background

baseline

baselineAlignButton

clickable

contentDescription

cropToPadding

drawingCacheQualit

duplicateParentState

fadeScrollbars

fadingEdge

fadingEdgeLength

Ticket Vault

Number of Tickets

Item 1

Find the Cost

concertImageView

Ticket Vault

FIND THE COST

ImageVIEW

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

txtResult

concertImageView

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager

ConcertTickets

app manifests java edu.udayton.concertickets MainActivity edu.udayton.concertickets (androidTest) edu.udayton.concertickets (test) generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

Palette

Common Text Buttons Widgets Layouts Containers Google Legacy

activity_main.xml MainActivity.java

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault

Number of Tickets

Item 1

Find the Cost

concertImageView

Ticket Vault

FIND THE COST

Image View

Attributes

concertImageView ImageView id concertImageView Declared Attributes Layout layout_width match_parent layout_height wrap_content layout_weight visibility visibility Common Attributes srcCompat @drawable/concert srcCompat contentDescription background scaleType adjustViewBounds cropToPadding All Attributes adjustViewBounds alpha background baseline baselineAlignBottom clickable contentDescription cropToPadding drawingCacheQualit duplicateParentState fadeScrollbars fadingEdge fadingEdgeLength

Use the Resource manager to set the contentDescription text

Component Tree

LinearLayout(vertical)

titleTextView- "@string/btTitle"

txtTickets(Number)

txtGroup

btnCost- "@string/btCost"

txtResult

concertImageView

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

TODO Terminal Build Logcat

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)

Activity Main XML

MainActivity.java

Attributes

concertImageView

id concertImageView

Declared Attributes

Layout

Default Attributes

Concert Image

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

srcCompat @drawable/concert

srcCompat

contentDescription

background

scaleType

adjustViewBounds

cropToPadding

All Attributes

adjustViewBounds

alpha

background

baseline

baselineAlignBottom

clickable

contentDescription

cropToPadding

drawingCacheQuality

duplicateParentState

fadeScrollbars

fadingEdge

fadingEdgeLength

Resources

Add new resource

Name: description

Project

app_name Concert Tickets

description Concert Image

prompt Select Group

txtCost Find the Cost

txtTickets Number of Tickets

txtTitle Ticket Vault

android

VideoView_error_button OK

VideoView_error_text_invalid_progress Hierdie video is nie geldig vir stro...

VideoView_error_text_unknown Kan nie hierdie video speel nie.

VideoView_error_title Videoprobleem

autofill Outovul

cancel Kanselleer

copy Kopieer

copyUrl Kopieer URL

cut Sny

defaultMsisdnAlphaTag MSISDN1

defaultVoiceMailAlphaTag Stemboodskap

dialog_alert_title Aandag

emptyPhoneNumber (Geen foornommer)

EDIT TRANSLATIONS

OK Cancel

Select the description string resource

Then click OK

mageView

FIND THE COST

Ticket Vault

ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

activity_main.xml MainActivity.java

Palette Attributes

Common Text Buttons Widgets Layouts Containers Google Legacy

Ab TextView Button ImageView RecyclerView <> <fragment> ScrollView Switch

concertImageView

onClick overScrollMode padding [?, ?, ?, ?, ?] requiresFadingEdge rotation rotationX rotationY saveEnabled scaleType scaleX scaleY scrollX scrollY scrollbarAlwaysDraw scrollbarAlwaysDraw scrollbarDefaultDelta 300 scrollbarFadeDuration 250 scrollbarSize 10dip scrollbarStyle scrollbarThumbHorizontal @android:drawable(scrollbarThumbHorizontal) scrollbarThumbVertical @android:drawable(scrollbarThumbVertical) scrollbarTrackHorizontal @null scrollbarTrackVertical @null scrollbars soundEffectsEnabled srcCompat @drawable/concert style tag targetApi theme tint transformPivotX

Pixel 28 NoTitleBar Default (en-us) 33%

Ticket Vault

Number of Tickets

Item 1

Find the Cost

concertImageView

FIND THE COST

Image View

Click to expand the Padding attributes

Component Tree

LinearLayout(vertical)

Ab titleTextView- "@string/btTitle"
Ab txtTickets(Number)
txtGroup
btnCost- "@string/btCost"
Ab txtResult
concertImageView

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)



The screenshot shows the Android Studio interface for a project named "ConcertTickets". The main window displays the "activity_main.xml" layout file. The layout consists of a black header with "Ticket Vault" and "Number of Tickets" text, a white central section with "Item 1" and "Find the Cost" button, and a blue footer with "FIND THE COST" and "ImageView" text. A hand holding a smartphone displaying a concert scene is shown in the center.

The "Palette" on the left lists various UI components: Common (Text, Buttons, Widgets, Layouts, Containers), Text, Buttons, Widgets, Layouts, Containers, Google, and Legacy. The "concertImageView" component is selected in the palette.

The "Component Tree" panel on the left shows the structure of the layout:

- LinearLayout(vertical)
 - titleTextView- "@string/btTitle"
 - txtTickets(Number)
 - txtGroup
 - btnCost- "@string/btCost"
 - txtResult
 - concertImageView

The "Attributes" panel on the right lists properties for the selected "concertImageView" component, including "onClick", "overScrollMode", "padding", "requiresFadingEdge", and "scaleType". A yellow callout box with the text "Use the Resource manager to set the bottom padding" points to the "padding" section.



activity_main.xml

MainActivity.java

33%

Attributes

concertImageView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleType

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

soundEffectsEnable

srcCompat

style

Resources

Add new resource

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

Then click OK

OK Cancel

Vault

FIND THE COS

mageView

buttonSize: 34sp

hintSize: 36sp

titleSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp





activity_main.xml

MainActivity.java

Attributes

concertImageview

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleType

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

soundEffectsEnable

srcCompat

style

33%

Resources

Add new resource

Name: margin5dp

Default: 5dp

margin5dp: 5dp

Select the 5-pixel margin spacing

Then click OK

OK Cancel

Vault

FIND THE COS

mageView

concertImageview

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleType

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

soundEffectsEnable

srcCompat

style

buttonSize: 34sp

hintSize: 36sp

titleSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Save All (Ctrl+S) app activity_main.xml MainActivity.java

Click to save your work!

1:Project

Android

app

- manifests
- java
 - edu.udayton.concertickets
 - MainActivity
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml

Resource Manager

2:Structure

Gradle Scripts

2:Favorites

Build Variants

Layout Captures

Design Text

Palette

Common

- Ab TextView
- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Component Tree

- LinearLayout(vertical)
 - Ab titleTextView- "@string/btTitle"
 - Ab txtTickets(Number)
 - txtGroup
 - btnCost- "@string/btCost"
 - Ab txtResult
 - concertImageView

activity_main.xml x MainActivity.java x

Pixel 28 NoTitleBar Default (en-us) 33% Attributes

Ticket Vault

Number of Tickets

Item 1

Find the Cost

concertImageView

onClick

overScrollMode

padding

paddingLeft

paddingTop @dien/margin5dp

paddingRight

paddingBottom @dien/margin5dp

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleType

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 300

scrollbarFadeDuratio 250

scrollbarSize 10dip

scrollbarStyle

scrollbarThumbHoriz @android:drawable/scroll

scrollbarThumbVerti @android:drawable/scroll

scrollbarTrackHorizo @null

scrollbarTrackVertica @null

scrollbars

soundEffectsEnable

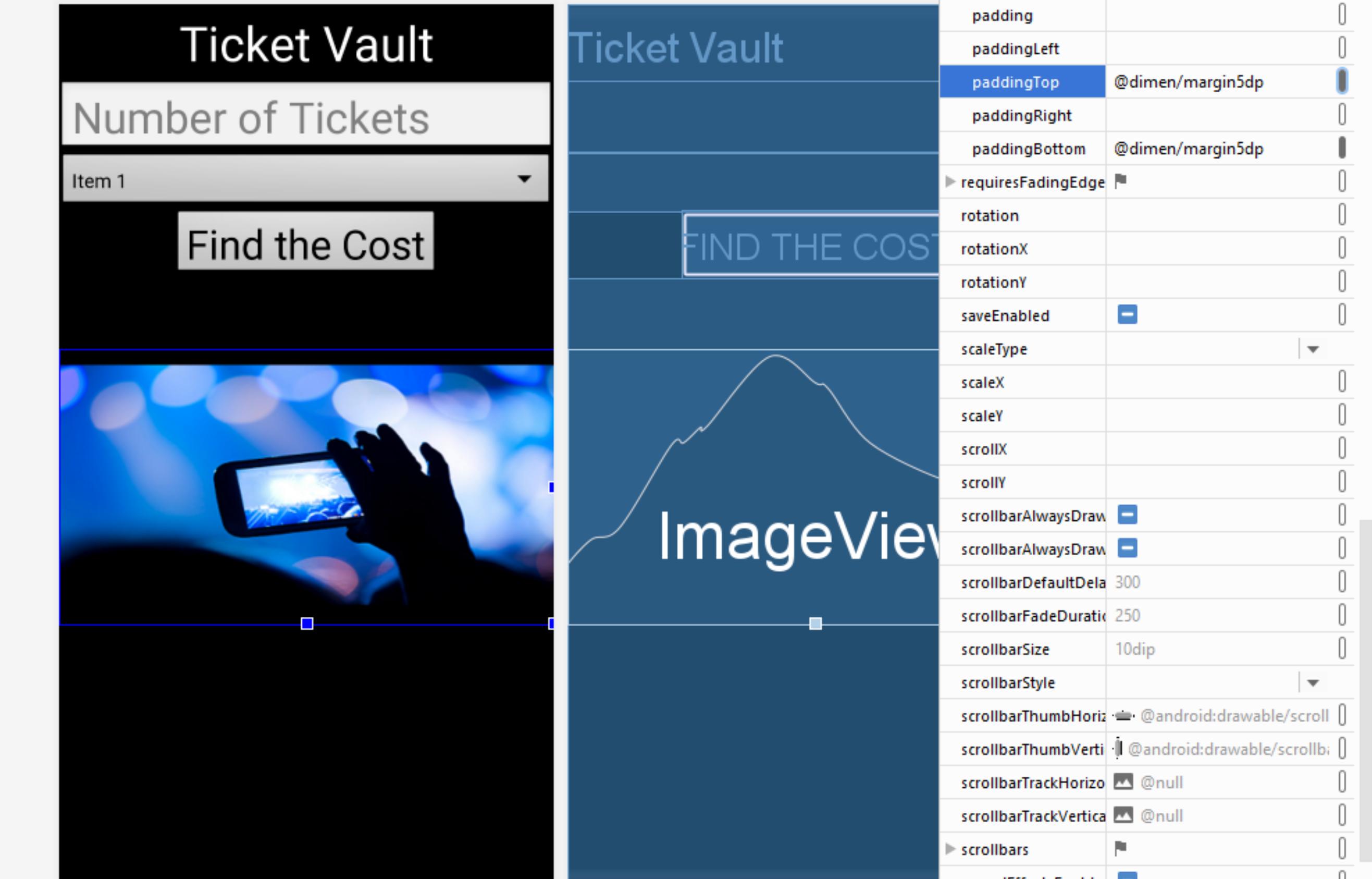
srcCompat @drawable/concert

style

FIND THE COST

ImageVault

Device File Explorer



ConcertTickets [C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets] - ...\\app\\src\\main\\res\\layout\\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

ConcertTickets app src main res layout activity_main.xml [app] C:\Users\nbashias1\Documents\AndroidStudioProjects\ConcertTickets\app\src\main\java\edu\udayton\concerttickets\MainActivity.java

1:Project Resource Manager 2:Structure Favorites Build Variants Layout Captures

ConcertImageview ImageView

This concludes Part 2 of Lesson 3.
In Part 3 of this lesson, we:
1. add the code to MainActivity.java's
onCreate method with the app functionality,
2. test the app using the emulator with the
Nexus 5 system image

Design Text

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 11:01 AM)