

SailingAdventures [C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures] - ...app\src\main\java\edu\udayton\sailingadventures>MainActivity.java [app] - Android Studio

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

SailingAdventures app src main java edu [app] C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures\app\src\main\res\layout\activity_main.xml

1:Project

Resource Manager

Gradle Scripts

2: Favorites

Build Variants

Layout Captures

1: Structure

Android

app

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

Gradle

activity_main.xml

MainActivity.java

```
1 package edu.udayton.sailingadventures;
2
3 import ...
4
5
6 public class MainActivity extends AppCompatActivity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         setContentView(R.layout.activity_main);
12     }
13 }
14
```

In Part 1 of this lesson, we created the project, added system images for 7-inch and 10-inch tablets, added a custom launcher icon, copied the sailboat image file into the project, and added dimension, string and color resources.

In this part of Lesson 6, we build the "standard" (default) phone layout.

TODO Terminal Build Logcat

Source generation ended in 718 ms (17 minutes ago)

Event Log

1:1 CRLF ▾ UTF-8 ▾ 4 spaces ▾

SailingAdventures [C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures] - ...app\src\main\java\edu\udayton\sailingadventures>MainActivity.java [app] - Android Studio

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

SailingAdventures app src main java [app] C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures\app\src\main\res\layout\activity_main.xml

1:Project

Resource Manager

Gradle Scripts

2: Favorites

Build Variants

Layout Captures

1: Structure

Event Log

Source generation ended in 718 ms (18 minutes ago)

1:1 CRLF UTF-8 4 spaces

Android

app

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

Gradle

activity_main.xml

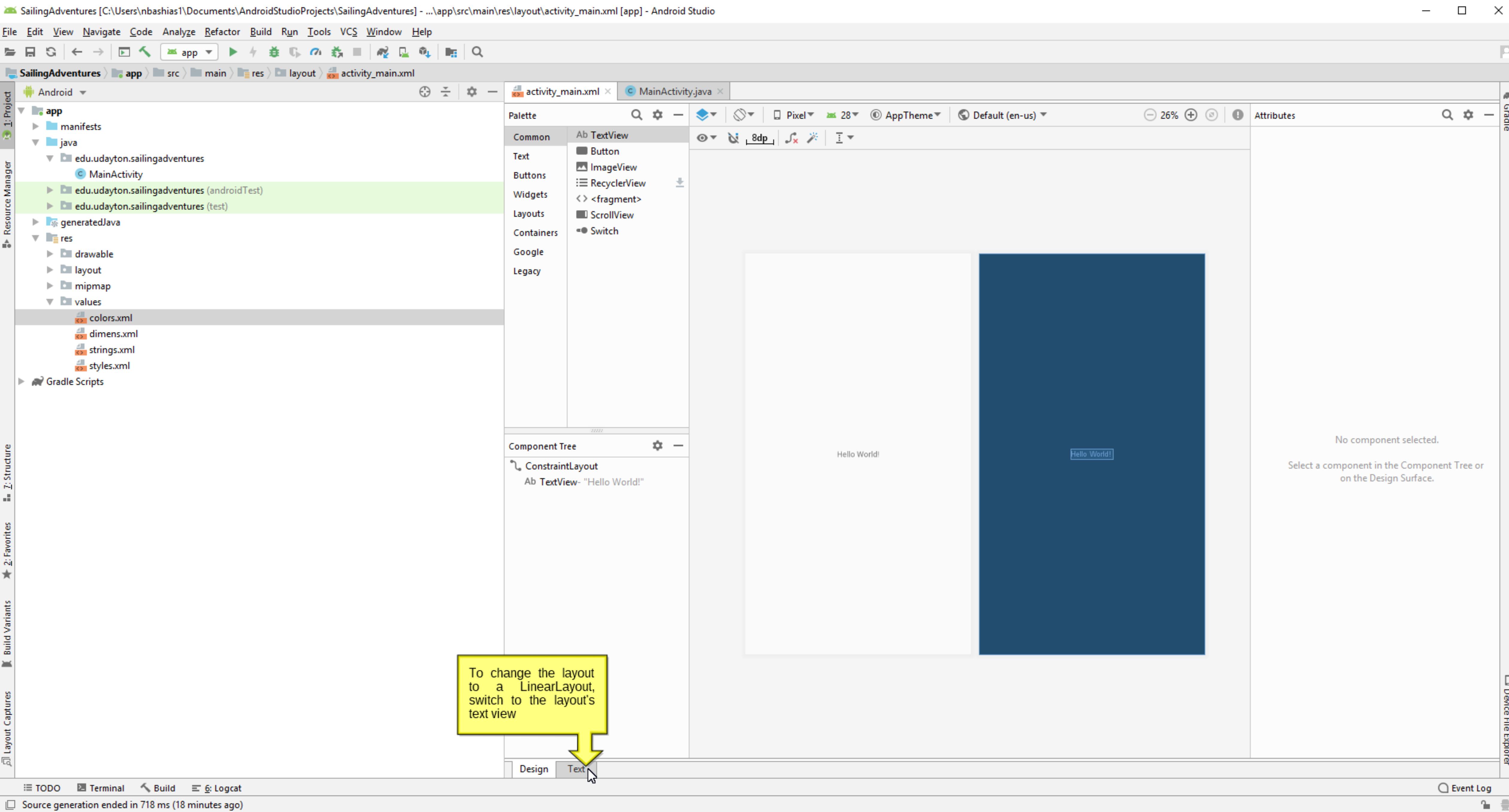
MainActivity.java

```
1 package edu.udayton.sailingadventures;
2 ...
3
4 class MainActivity extends AppCompatActivity {
5     ...
6     @Override
7     protected void onCreate(Bundle savedInstanceState) {
8         super.onCreate(savedInstanceState);
9         setContentView(R.layout.activity_main);
10    }
11 }
12
13 }
```

Switch to the main layout

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The left sidebar displays the project structure, including the 'app' module with its Java and resources. The main editor window shows the 'MainActivity.java' file. A yellow callout box with the text 'Switch to the main layout' points to the line 'setContentView(R.layout.activity_main);' in the code. The code itself is as follows:

```
1 package edu.udayton.sailingadventures;
2 ...
3
4 class MainActivity extends AppCompatActivity {
5     ...
6     @Override
7     protected void onCreate(Bundle savedInstanceState) {
8         super.onCreate(savedInstanceState);
9         setContentView(R.layout.activity_main);
10    }
11 }
12
13 }
```



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

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

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

Android Project Resource Manager

activity_main.xml x MainActivity.java x Preview

1 <?xml version="1.0" encoding="utf-8"?>

2 <android.support.constraint.ConstraintLayout [xmlns:android="http://schemas.android.com/apk/res-auto"
3 xmlns:app="http://schemas.android.com/apk/res-auto"
4 xmlns:tools="http://schemas.android.com/tools"
5 android:layout_width="match_parent"
6 android:layout_height="match_parent">
7 tools:context=".MainActivity">
8
9 Hello World!
10 "wrap_content"
11 "wrap_content"
12 android:text="Hello World!"
13 app:layout_constraintBottom_toBottomOf="parent"
14 app:layout_constraintLeft_toLeftOf="parent"
15 app:layout_constraintRight_toRightOf="parent"
16 app:layout_constraintTop_toTopOf="parent" />
17
18 </android.support.constraint.ConstraintLayout>

Select the ConstraintLayout's path, type 'Linear' ...

Palette Pixel 28 AppTheme 34% 8dp Preview

Hello World!

Design Text android.support.constraint.ConstraintLayout

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (18 minutes ago) 43 chars 2:45 CRLF 4 spaces

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

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

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

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

activity_main.xml x MainActivity.java x Preview
Android

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

18

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_height="match_parent"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello World!"
    android:layout_constraintBottom_toBottomOf="parent"
    android:layout_constraintLeft_toLeftOf="parent"
    android:layout_constraintRight_toRightOf="parent"
    android:layout_constraintTop_toTopOf="parent" />
</LinearLayout>
```

... and select the LinearLayout from this code completion menu

Palette
Pixel 28 AppTheme
Preview
Linear

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (18 minutes ago) 2:8 CRLF UTF-8 4 spaces

The screenshot shows the Android Studio interface with the 'activity_main.xml' file open in the code editor. A code completion dropdown menu is displayed over the XML code, specifically over the opening tag of a 'LinearLayout'. The menu includes the namespace 'LinearLayout' and the class 'android.support.v7.widget.LinearLayout'. A yellow callout box with the text "... and select the LinearLayout from this code completion menu" points to the 'LinearLayout' item in the dropdown. The 'Design' tab is selected at the bottom of the editor.

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

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

SailingAdventures app src main res layout activity_main.xml

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

activity_main.xml x MainActivity.java x Preview

Android

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

1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3 xmlns:app="http://schemas.android.com/apk/res-auto"
4 xmlns:tools="http://schemas.android.com/tools"
5 android:layout_width="match_parent"
6 android:layout_height="match_parent"
7 tools:context=".MainActivity">
8
9 <TextView
10 android:layout_width="wrap_content"
11 android:layout_height="wrap_content"
12 android:text="Hello World!"
13 app:layout_constraintBottom_toBottomOf="parent"
14 app:layout_constraintLeft_toLeftOf="parent"
15 app:layout_constraintRight_toRightOf="parent"
16 app:layout_constraintTop_toTopOf="parent" />
17
18 </LinearLayout>

Hello World!

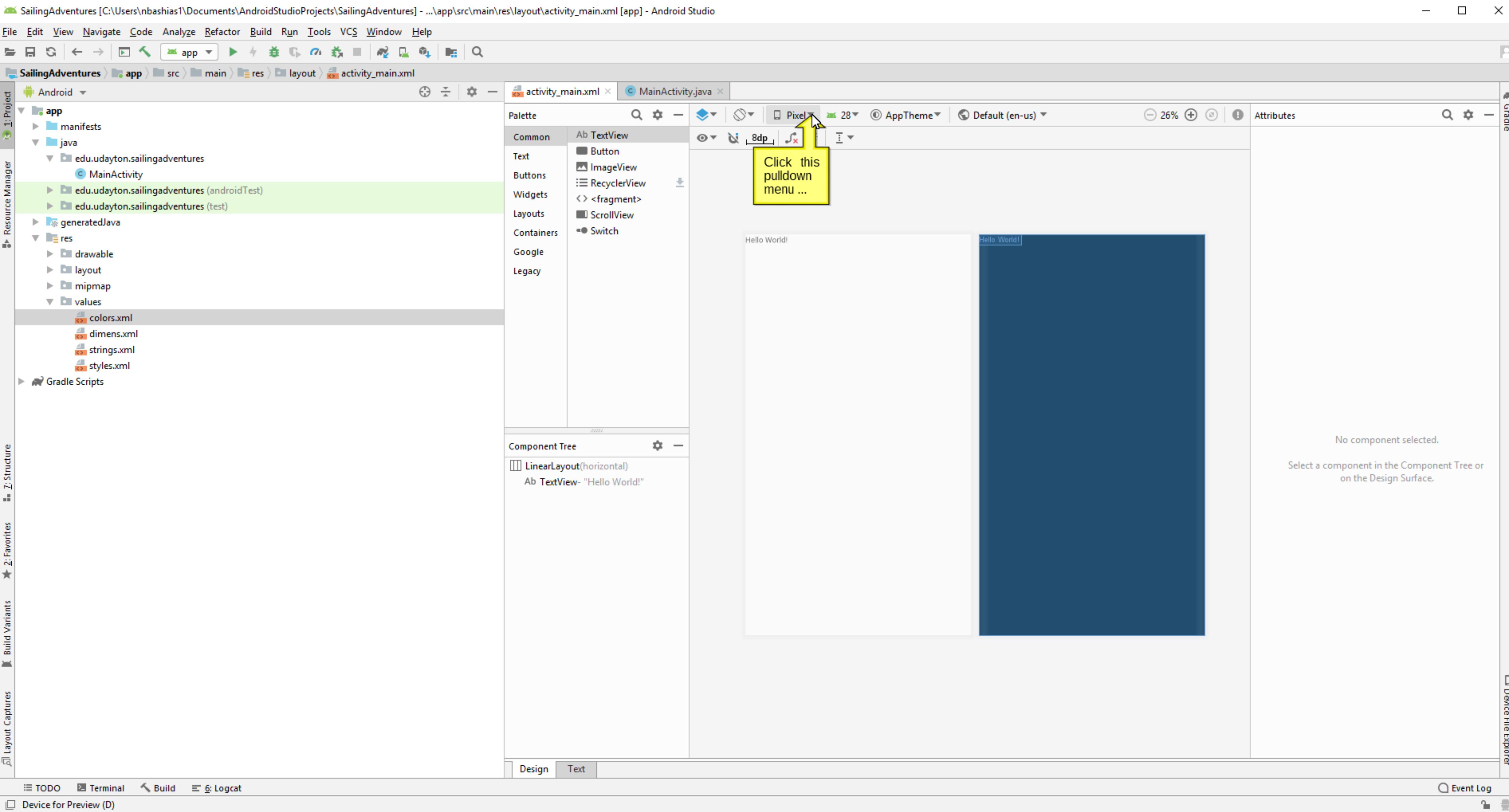
Palette Pixel 28 AppTheme 35% Preview

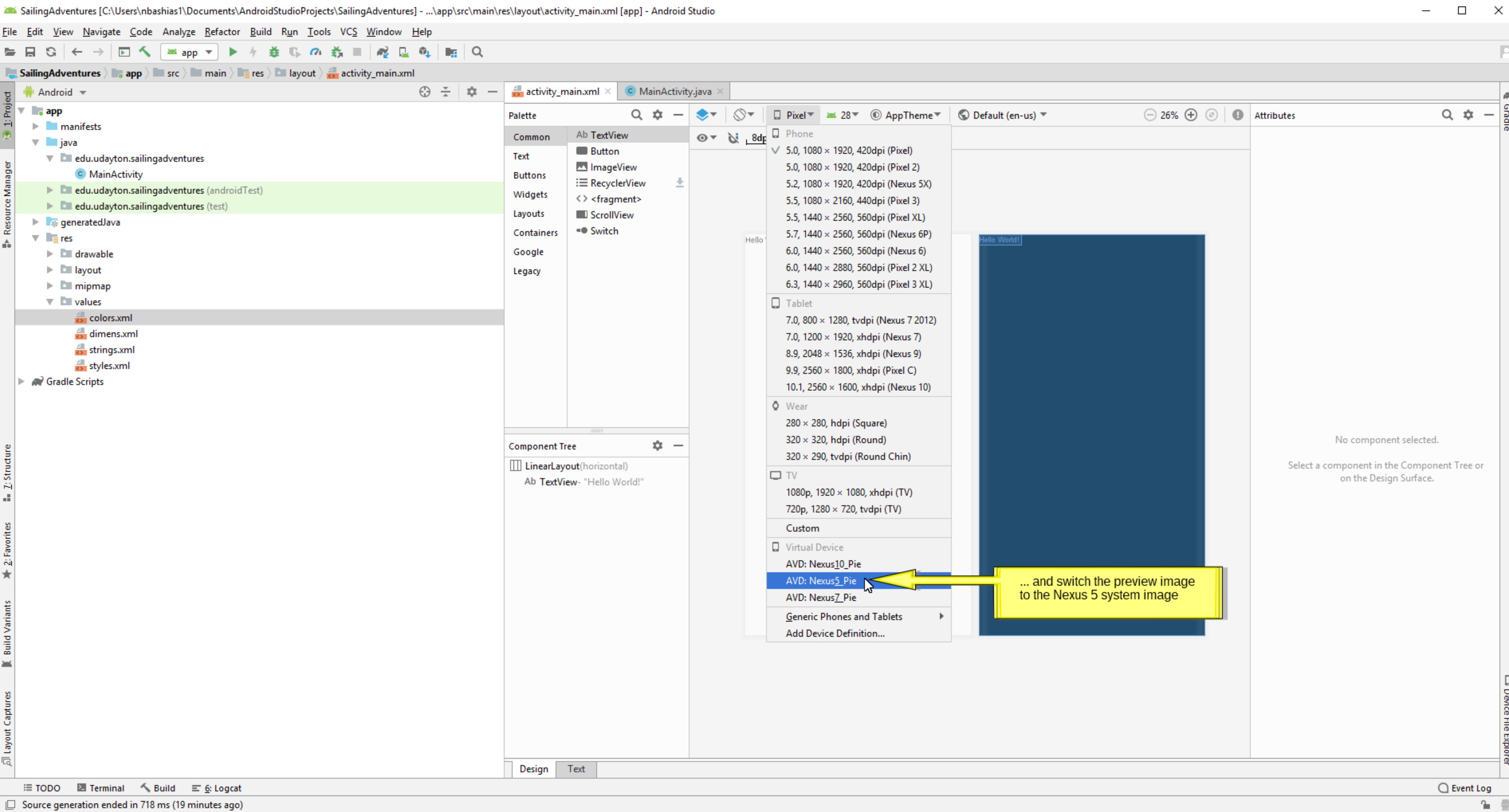
Switch back to the layout's design view

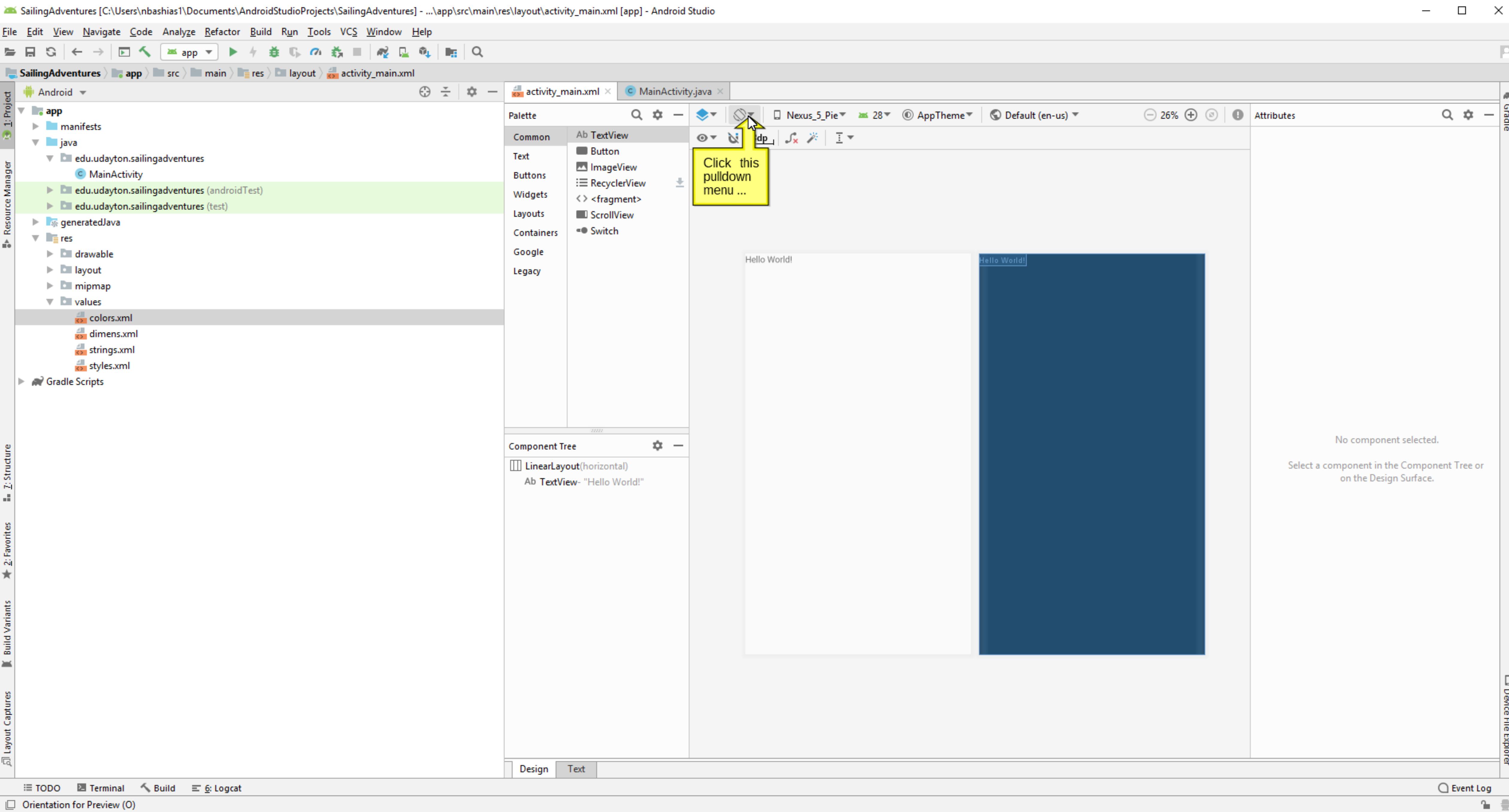
LinearLayout Design Text

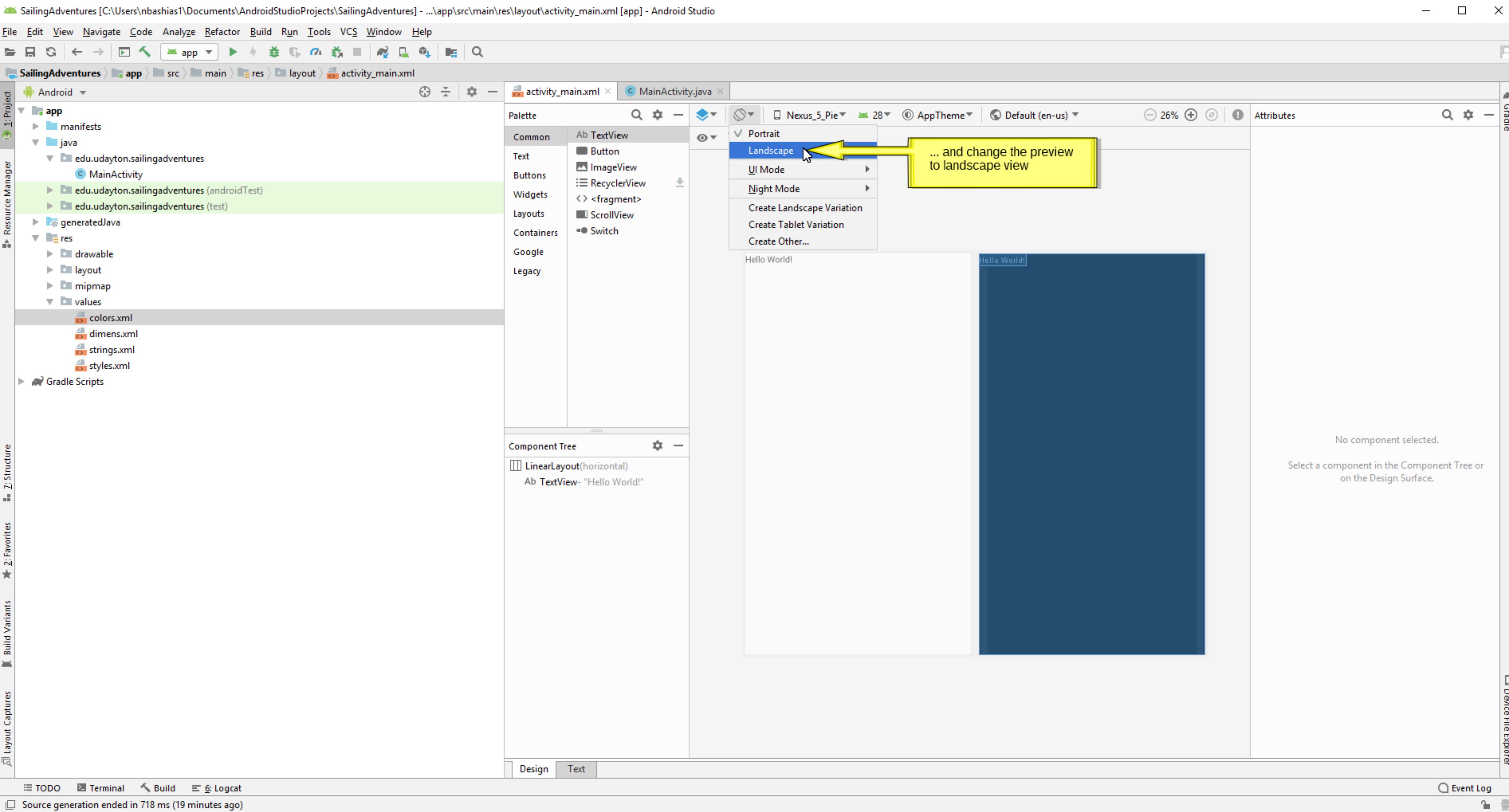
TODO Terminal Build Logcat Event Log

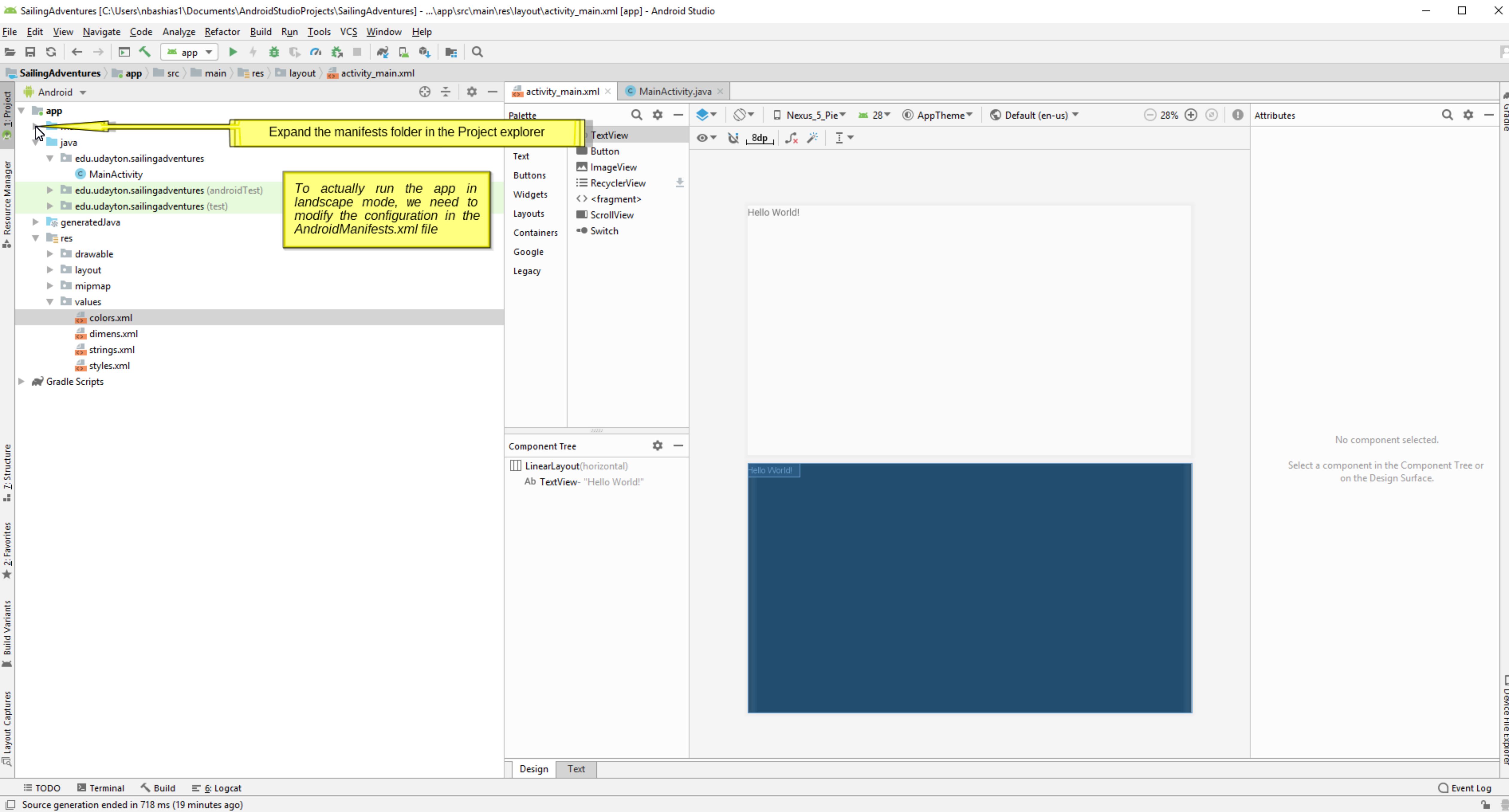
Source generation ended in 718 ms (18 minutes ago) 2:14 CRLF UTF-8 4 spaces

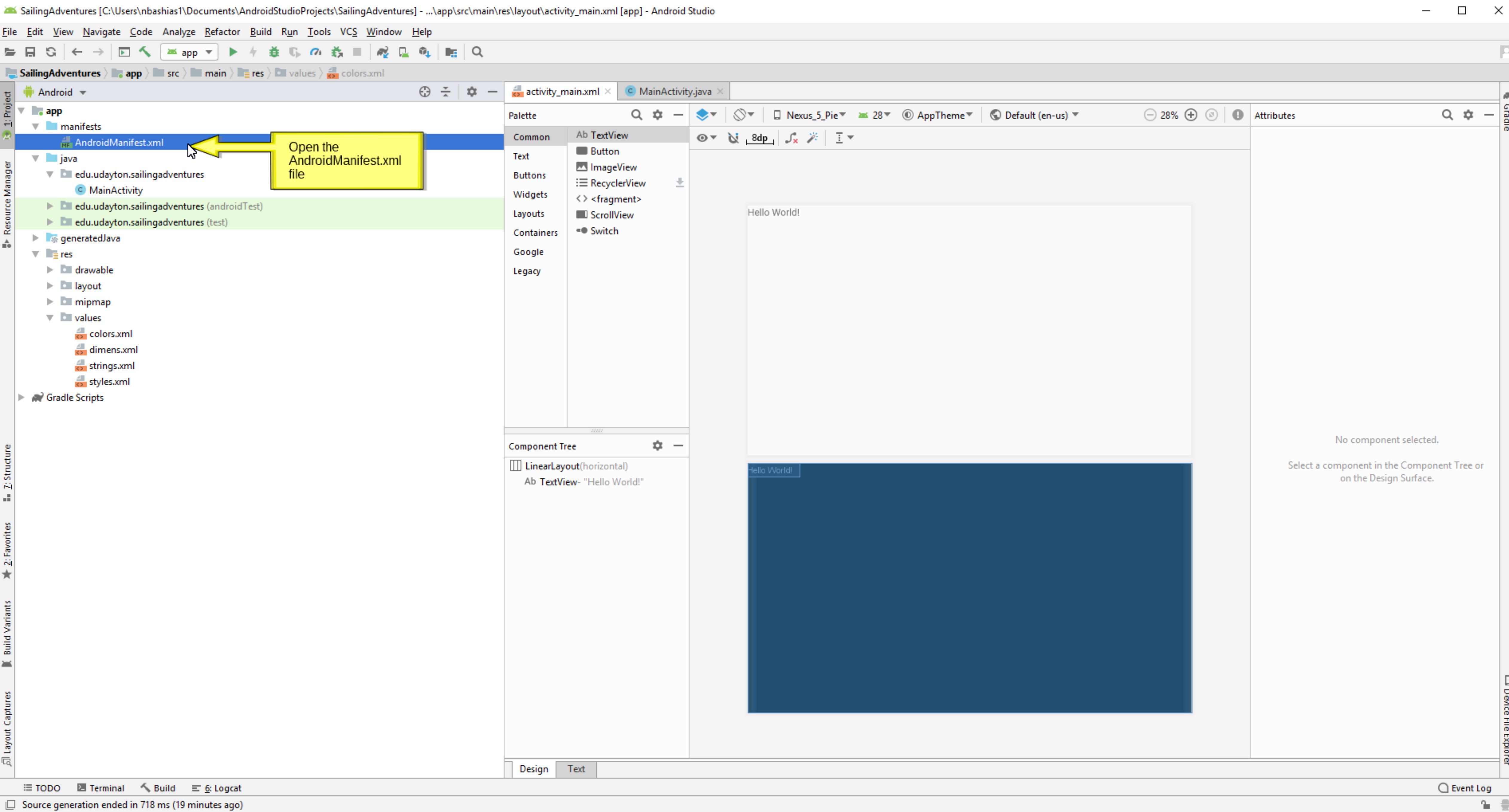












SailingAdventures [C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures] - ...app\src\main\AndroidManifest.xml [app] - Android Studio

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

SailingAdventures app src main AndroidManifest.xml

1:Project

Resource Manager

1: Favorites

Build Variants

Layout Captures

Gradle Scripts

activity_main.xml AndroidManifest.xml MainActivity.java

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="edu.udayton.sailingadventures">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Sailing Adventures"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

Carefully add a new line here inside the activity start tag (i.e., between the closing " and the >)

manifest > application > activity

Text Merged Manifest

TODO Terminal Build Logcat

Event Log

App is not indexable by Google Search; consider adding at least one Activity with an ACTION-VIEW intent filter. See issue explanation for more details.

12:47 CRLF UTF-8 4 spaces

SailingAdventures [C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures] - ...app\src\main\AndroidManifest.xml [app] - Android Studio

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

SailingAdventures app src main AndroidManifest.xml

1:Project Resource Manager

Android app manifests AndroidManifest.xml java edu.udayton.sailingadventures MainActivity generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

activity_main.xml AndroidManifest.xml MainActivity.java

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="edu.udayton.sailingadventures">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Sailing Adventures"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

Your new line should look like this

manifest > application > activity

Text Merged Manifest

TODO Terminal Build Logcat

App is not indexable by Google Search; consider adding at least one Activity with an ACTION-VIEW intent filter. See issue explanation for more details.

13:13 CRLF UTF-8 4 spaces

SailingAdventures [C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures] - ...app\src\main\AndroidManifest.xml [app] - Android Studio

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

SailingAdventures app src main AndroidManifest.xml

1:Project Resource Manager 2:Structure 3:Favorites 4:Build Variants 5:Layout Captures 6:Logcat

AndroidManifest.xml

activity_main.xml AndroidManifest.xml MainActivity.java

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="edu.udayton.sailingadventures">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Sailing Adventures"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity"
            android:screenOrientation="landscape">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <action android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

Add this activity property setting.
This locks the screen orientation of the main activity in landscape mode, so that the activity (app) is always launched in landscape mode.

manifest > application > activity

Text Merged Manifest

TODO Terminal Build Logcat Event Log

App is not indexable by Google Search; consider adding at least one Activity with an ACTION-VIEW intent filter. See issue explanation for more details.

13:50 CRLF UTF-8 4 spaces

SailingAdventures [C:\Users\nbashias1\Documents\AndroidStudioProjects\SailingAdventures] - ...app\src\main\AndroidManifest.xml [app] - Android Studio

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

SailingAdventures app src main AndroidManifest.xml

Close. Alt-click to close others

Close the AndroidManifest.xml file

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="edu.udayton.sailingadventures">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Sailing Adventures"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity"
            android:screenOrientation="landscape">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

manifest > application > activity

Text Merged Manifest

App is not indexable by Google Search; consider adding at least one Activity with an ACTION-VIEW intent filter. See issue explanation for more details.

13:50 CRLF UTF-8 4 spaces

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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
Text Button
Buttons ImageView
Widgets RecyclerView
Layouts <> <fragment>
Containers ScrollView
Google Switch
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 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
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Component Tree
LinearLayout(horizontal)
Ab TextView- "Hello World!"

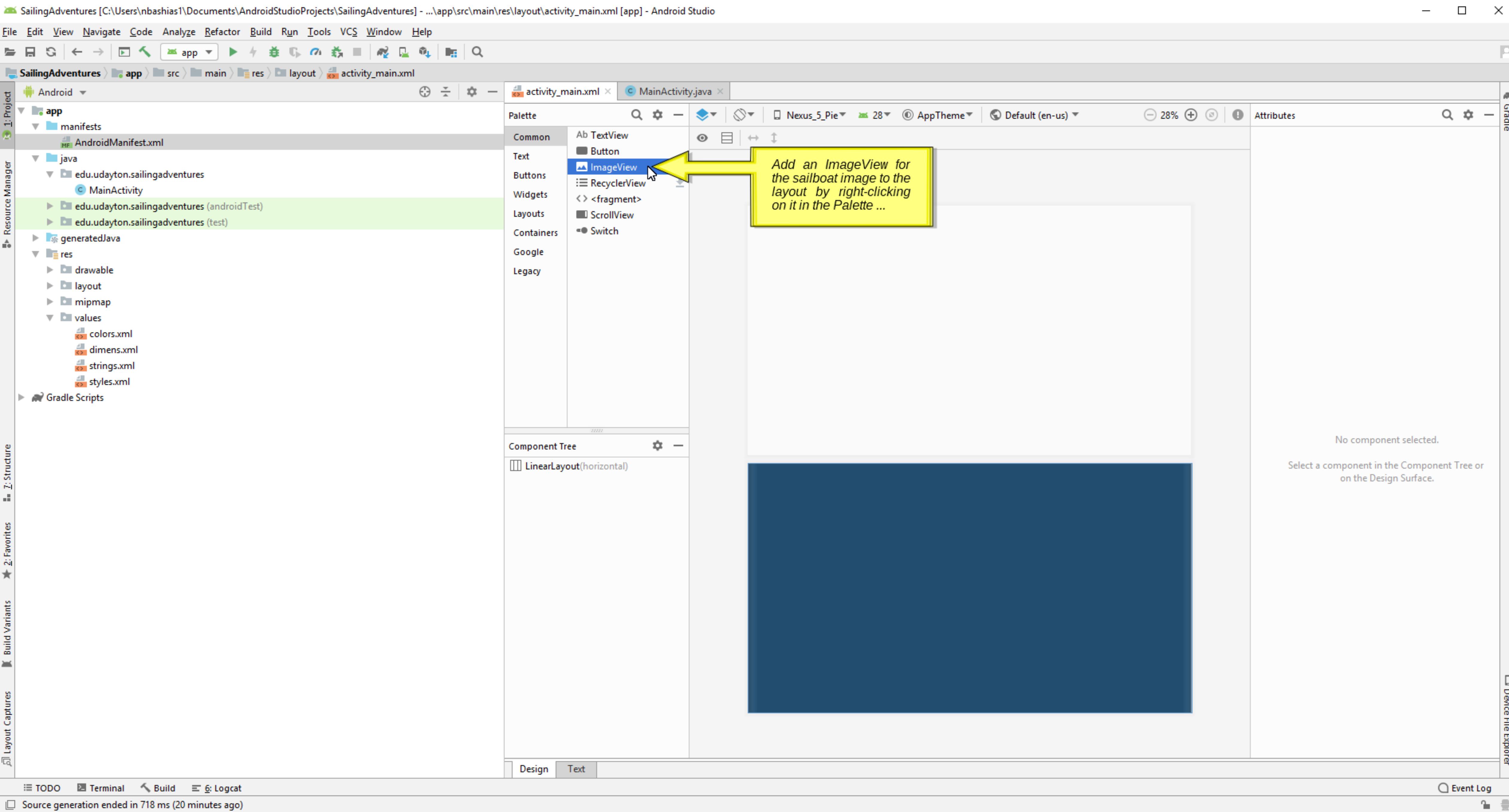
In the Component Tree, delete the Hello World! TextView

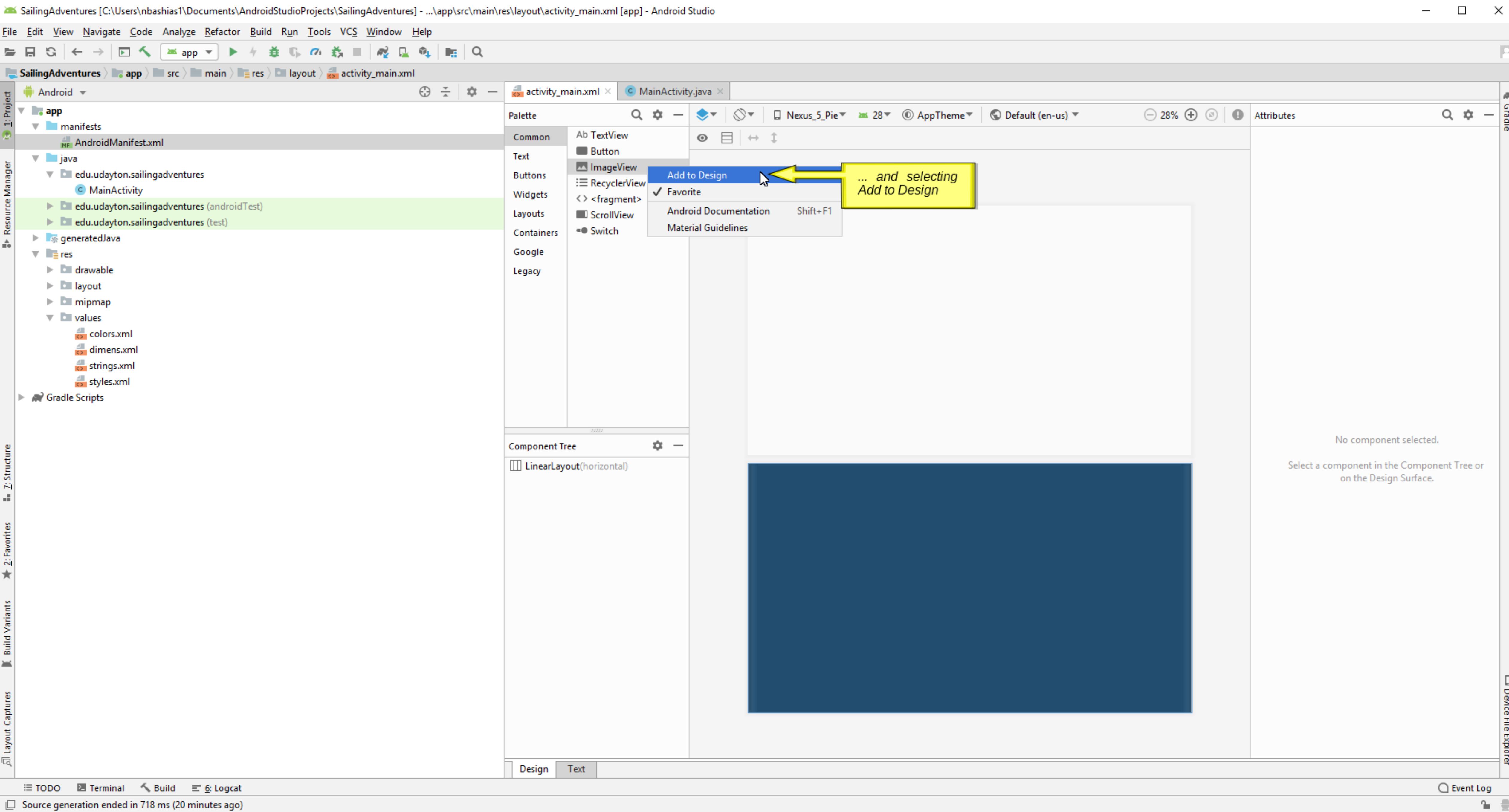
Design Text

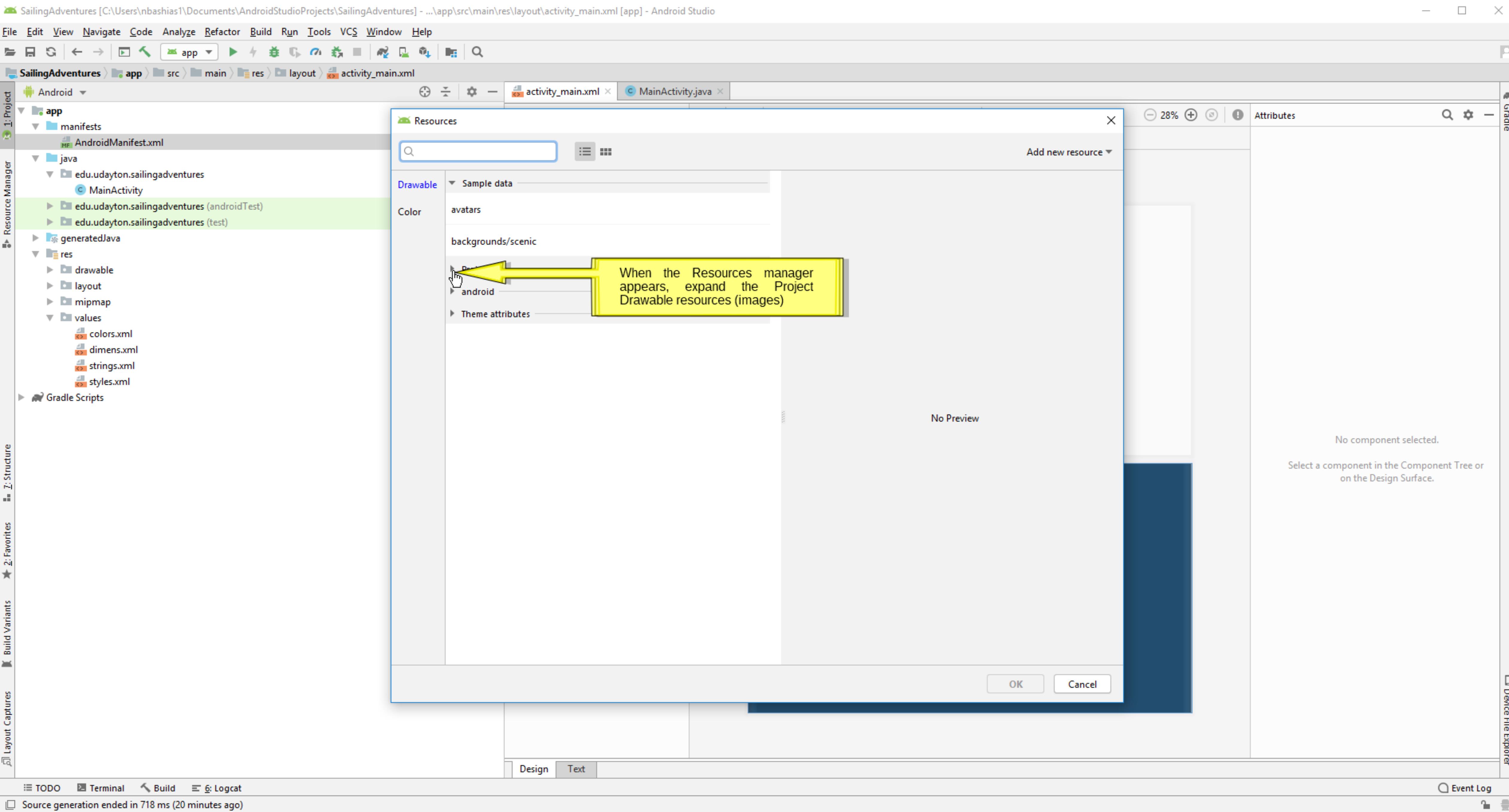
TODO Terminal Build Logcat Event Log

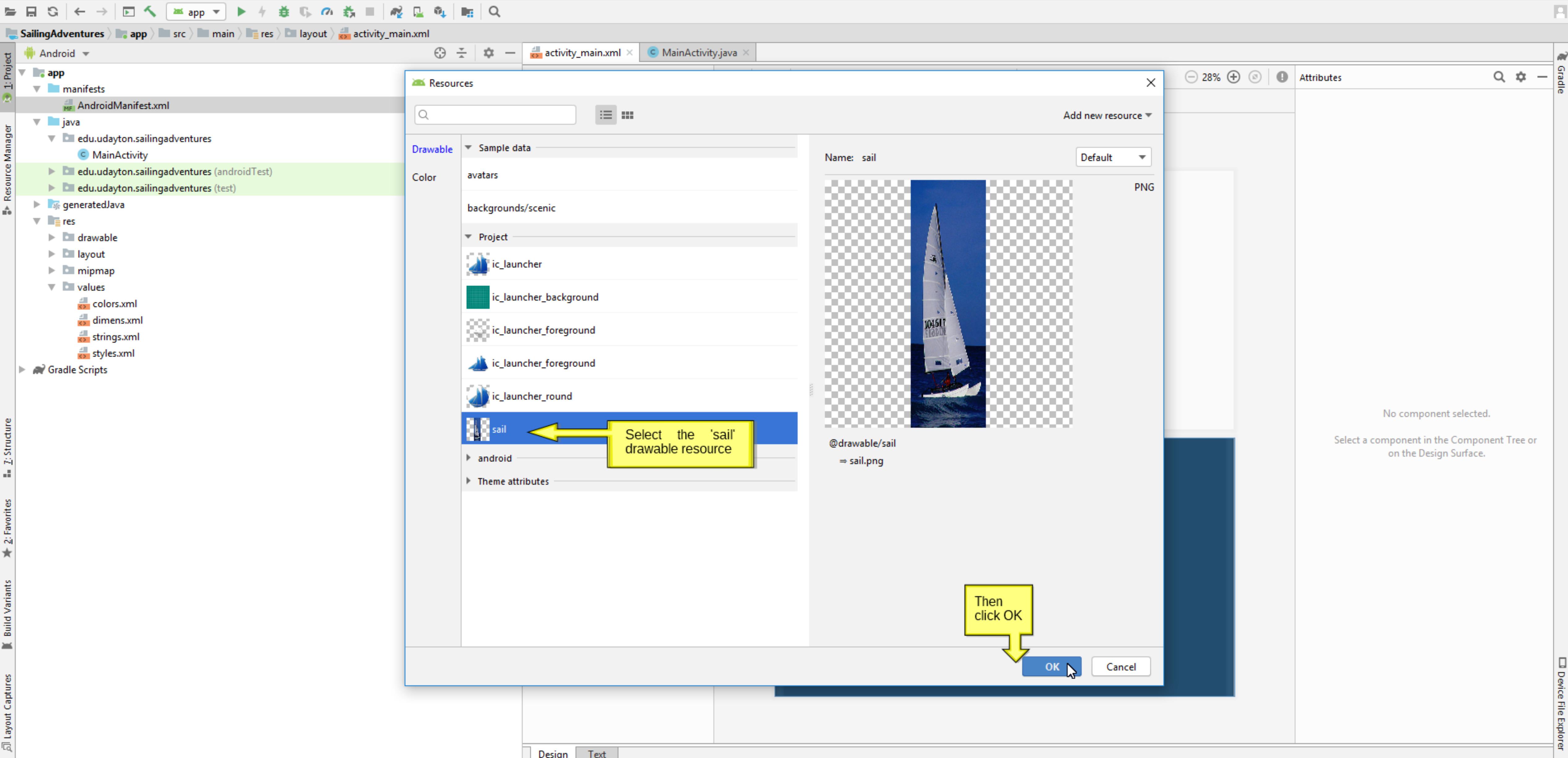
Source generation ended in 718 ms (20 minutes ago)

A yellow callout box with a black border and white text is positioned over the 'Component Tree' section of the palette. It contains the instruction: 'In the Component Tree, delete the Hello World! TextView'. A yellow arrow points from the left edge of this callout box towards the 'Ab TextView- "Hello World!"' item in the component tree list.









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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common: Ab TextView, Button, ImageView

Text: Text

Buttons: Button

Widgets: ImageView, RecyclerView, <> <fragment>, ScrollView, Switch

Layouts: LinearLayout, ConstraintLayout, GridLayout, TableLayout, AdapterView, AdapterView

Containers: FrameLayout, RelativeLayout, LinearLayout, ConstraintLayout, GridLayout, TableLayout, AdapterView

Google: Google

Legacy: Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% + A Attributes

imageView sailboatImageView

Declared Attributes

Layout

- layout_width: wrap_content
- layout_height: wrap_content
- layout_weight: 1
- visibility: visibility
- visibility: visibility

Common Attributes

- srcCompat: @drawable/sail
- srcCompat: @drawable/sail
- contentDescription: contentDescription
- background: background
- scaleType: scaleType
- adjustViewBounds: adjustViewBounds
- cropToPadding: cropToPadding

All Attributes

- adjustViewBounds: adjustViewBounds
- alpha: alpha
- background: background
- baseline: baseline
- baselineAlignBottom: baselineAlignBottom
- clickable: clickable
- contentDescription: contentDescription
- cropToPadding: cropToPadding
- drawingCacheQuality: drawingCacheQuality
- duplicateParentState: duplicateParentState
- fadeScrollbars: fadeScrollbars
- fadingEdge: fadingEdge
- fadingEdgeLength: fadingEdgeLength

Change the ImageView's ID

Component Tree

LinearLayout(horizontal)
imageView

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (21 minutes ago)

Event Log

The screenshot shows the Android Studio interface for the SailingAdventures project. The main focus is the 'activity_main.xml' layout editor. The layout consists of a single horizontal LinearLayout containing an ImageView. The ImageView displays a sailboat on the water. A yellow callout box with the text 'Change the ImageView's ID' points to the 'sailboatImageView' ID in the Attributes panel. The Attributes panel also lists other properties like layout_width, layout_height, and visibility. The Palette on the left shows various UI components, and the Component Tree on the right shows the hierarchical structure of the layout. The bottom navigation bar includes tabs for Design and Text, along with standard Android Studio toolbars.

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common: Ab TextView, Button, ImageView

Text: Button

Buttons: ImageView

Widgets: RecyclerView, <> <fragment>, ScrollView, Switch

Layouts: LinearLayout(horizontal)

Containers: ScrollView

Google: Switch

Legacy: None

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28%

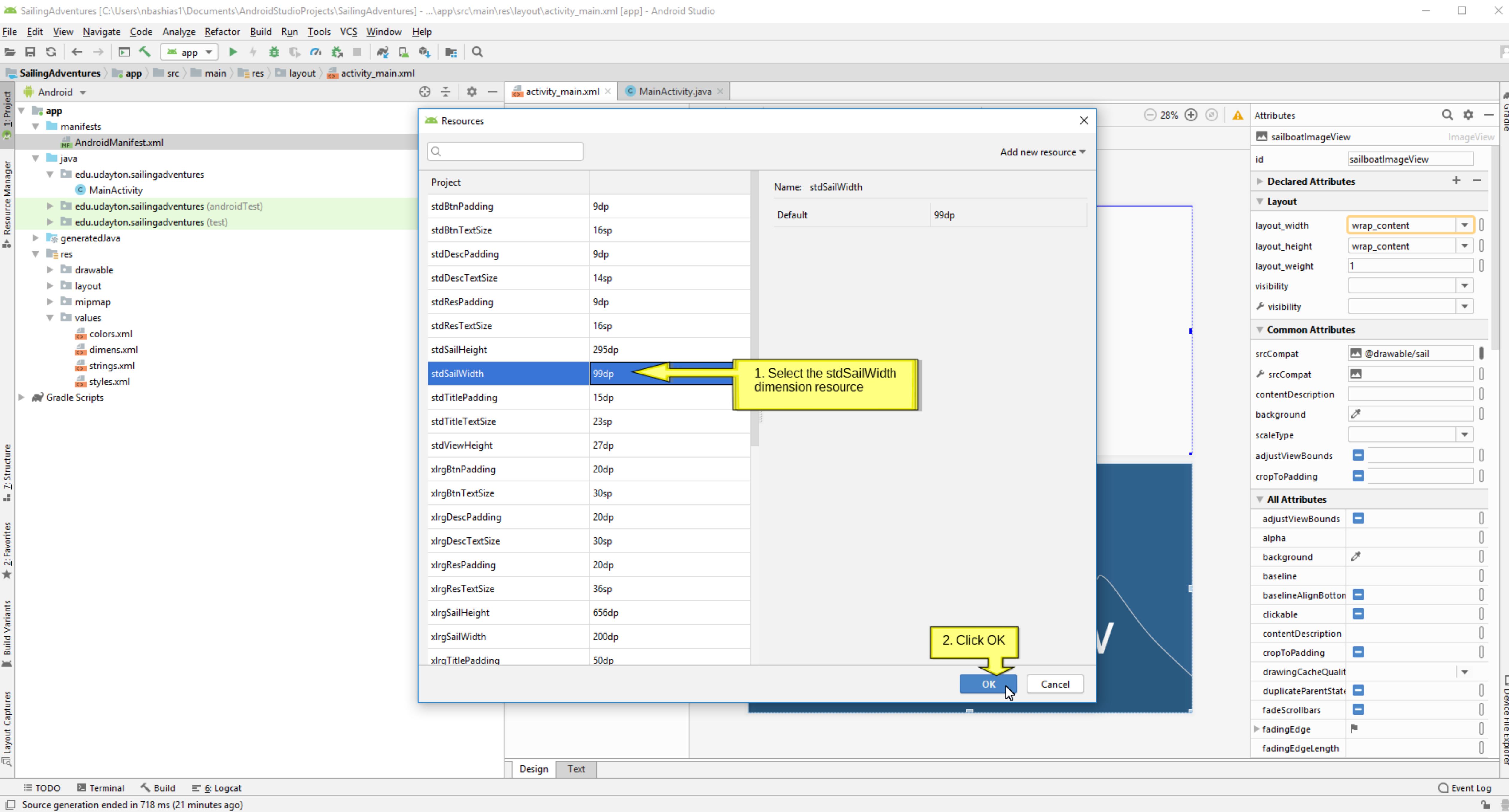
Component Tree

LinearLayout(horizontal)
sailboatImageView

Design Text

Use the Resource manager to change the ImageView's layout_width

The screenshot shows the Android Studio interface for a project named "SailingAdventures". The "activity_main.xml" layout file is open in the design tab. The layout consists of a single `ImageView` containing a sailboat image. The `ImageView` is nested within a horizontal `LinearLayout`. In the palette on the left, the "Common" category is selected, showing `Ab TextView`, `Button`, and `ImageView` as options. The "Declared Attributes" panel on the right shows the `sailboatImageView` with its `id` set to `sailboatImageView` and its `layout_width` set to `wrap_content`. A yellow callout box with the text "Use the Resource manager to change the ImageView's layout_width" points to the `layout_width` dropdown. The "Component Tree" panel at the bottom shows the structure of the layout. The "Resource Manager" tab is active in the sidebar.



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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common: Ab TextView, Button, ImageView

Text: Button

Buttons: ImageView

Widgets: RecyclerView, <> <fragment>, ScrollView, Switch

Layouts: LinearLayout(horizontal)

Containers: ScrollView

Google: Switch

Legacy: None

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28%

Attributes

sailboatImageView ImageView

id sailboatImageView

Declared Attributes

Layout

layout_width @dimen/stdSailWidth

layout_height wrap_content

layout_weight 1

visibility

Common Attributes

srcCompat

srcCompat

contentDescription

background

scaleType

adjustViewBounds

cropToPadding

All Attributes

adjustViewBounds

alpha

background

baseline

baselineAlignBottom

clickable

contentDescription

cropToPadding

drawingCacheQualit

duplicateParentState

fadeScrollbars

fadingEdge

fadingEdgeLength

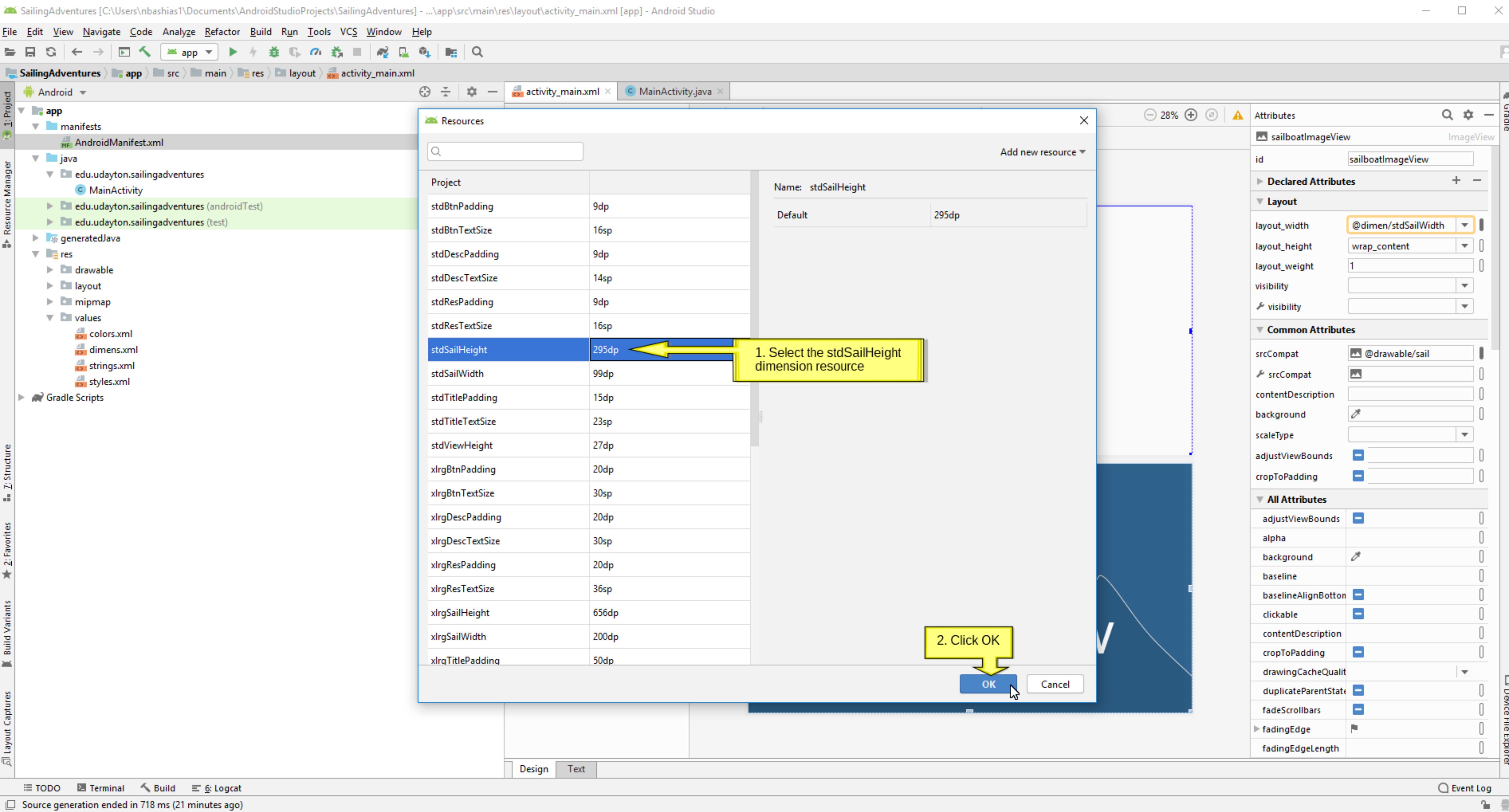
Use the Resource manager to change the ImageView's layout_height

Design Text

Source generation ended in 718 ms (21 minutes ago)

Event Log

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The main window displays the layout editor for 'activity_main.xml'. In the center, there is a horizontal linear layout containing an image view that displays a sailboat on water. The image view has a white border. To the right of the layout, the 'Attributes' panel is visible, showing the 'layout_height' attribute is set to 'wrap_content'. A yellow callout box with the text 'Use the Resource manager to change the ImageView's layout_height' points to this attribute. The 'Resource Manager' tab is selected in the left sidebar. The bottom status bar shows a message indicating source generation ended successfully in 718 ms (21 minutes ago).



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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common: Ab TextView, Button, ImageView

Text: Text

Buttons: Button

Widgets: ImageView, RecyclerView, <> <fragment>, ScrollView, Switch

Layouts: LinearLayout, RelativeLayout, FrameLayout, ConstraintLayout, GridLayout, TableLayout, AdapterView, AdapterView

Containers: FrameLayout, ScrollView, ConstraintLayout, TableLayout, AdapterView

Google: Google

Legacy: Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% + A

Attributes

sailboatImageView ImageView

id sailboatImageView

Declared Attributes

Layout

layout_width @dimen/stdSailWidth

layout_height @dimen/stdSailHeight

layout_weight 1

visibility

visibility

Common Attributes

srcCompat @drawable/sail

srcCompat

contentDescription

background

scaleType

adjustViewBounds

cropToPadding

All Attributes

adjustViewBounds

alpha

background

baseline

baselineAlignBottom

clickable

contentDescription

cropToPadding

drawingCacheQualit

duplicateParentState

fadeScrollbars

fadingEdge

fadingEdgeLength

Component Tree

LinearLayout(horizontal)
sailboatImageView

Design Text

Use the Resource manager to set the ImageView's content description

The screenshot shows the Android Studio interface for editing the layout file 'activity_main.xml'. The left sidebar displays the project structure, with the 'app' module selected. The main area shows the design view of the layout, which consists of a horizontal LinearLayout containing a single ImageView. This ImageView displays a sailboat on the water. The Attributes panel on the right is open, showing the properties for the 'sailboatImageView'. A yellow callout box with the text 'Use the Resource manager to set the ImageView's content description' points to the 'contentDescription' field in the Attributes panel, which currently contains the placeholder '@drawable/sail'. The top navigation bar shows the file path 'SailingAdventures > app > src > main > res > layout > activity_main.xml'.

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Android

app

- manifests
- AndroidManifest.xml

java

- edu.udayton.sailingadventures
- MainActivity

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

Resources

Add new resource

Name: txtSailBoat

Default sailboat

txtSailBoat sailboat

txtTitle Sailing Adventures - Kona, Hawaii

1. Select the txtSailBoat string resource

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)

fingerprint_icon_content_description Vingerafdrukikoon

EDIT TRANSLATIONS

2. Click OK

OK Cancel

Design Text

Attributes

sailboatImageView ImageView

id sailboatImageView

Declared Attributes

Layout

- layout_width @dimen/stdSailWidth
- layout_height @dimen/stdSailHeight
- layout_weight 1
- visibility
- visibility

Common Attributes

- srcCompat @drawable/sail
- srcCompat
- contentDescription
- background
- scaleType
- adjustViewBounds
- cropToPadding

All Attributes

- adjustViewBounds
- alpha
- background
- baseline
- baselineAlignBottom
- clickable
- contentDescription
- cropToPadding
- drawingCacheQualit
- duplicateParentState
- fadeScrollbars
- fadingEdge
- fadingEdgeLength

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 718 ms (22 minutes ago)

Event Log

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common ConstraintLayout
Text Guideline (horizontal)
Buttons Guideline (vertical)
Widgets LinearLayout (horizontal)
Layouts LinearLayout (vertical)
Containers FrameLayout
Google TableLayout
Legacy TableRow
Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28%

Switch to the Layouts Palette category

Component Tree

LinearLayout(horizontal)
sailboatImageView

Design Text

Attributes

sailboatImageView ImageView

id sailboatImageView

Declared Attributes

Layout

layout_width @dimen/stdSailWidth
layout_height @dimen/stdSailHeight
layout_weight 1
visibility
visibility

Common Attributes

srcCompat @drawable/sail
srcCompat
contentDescription @string/txtSailBoat
background
scaleType
adjustViewBounds
cropToPadding

All Attributes

adjustViewBounds
alpha
background
baseline
baselineAlignBottom
clickable
contentDescription @string/txtSailBoat
cropToPadding
drawingCacheQuality
duplicateParentState
fadeScrollbars
fadingEdge
fadingEdgeLength

Gradle
Device File Explorer

The screenshot shows the Android Studio interface for editing the layout file 'activity_main.xml'. A yellow callout box with the text 'Switch to the Layouts Palette category' points to the 'Layouts' tab in the 'Palettes' section of the top toolbar. The 'Layouts' tab is highlighted in blue. The main design area displays a sailboat image within a blue-bordered frame. Below the frame, the word 'ImageView' is displayed in large white letters on a dark blue background. The 'Component Tree' panel at the bottom left shows a single child node 'sailboatImageView' under 'LinearLayout(horizontal)'. The right side of the screen features the 'Attributes' panel, which lists various properties for the 'sailboatImageView' component, such as 'id' (set to 'sailboatImageView'), 'layout_width' (set to '@dimen/stdSailWidth'), and 'layout_height' (set to '@dimen/stdSailHeight'). Other visible properties include 'srcCompat' (set to '@drawable/sail'), 'contentDescription' (set to '@string/txtSailBoat'), and 'background'.

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common ConstraintLayout
Text Guideline (horizontal)
Buttons Guideline (vertical)
Widgets LinearLayout (horizontal)
Layouts LinearLayout (vertical)
Containers FrameLayout
Google TableLayout
Legacy TableRow
Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

Add a new TableLayout by right-clicking on it ...
The TableLayout is described on pages 311-312 of Android Boot Camp

Component Tree

LinearLayout(horizontal)
sailboatImageView

Attributes

sailboatImageView ImageView
id sailboatImageView
Declared Attributes
Layout
layout_width @dimen/stdSailWidth
layout_height @dimen/stdSailHeight
layout_weight 1
visibility
visibility
Common Attributes
srcCompat @drawable/sail
srcCompat
contentDescription @string/txtSailBoat
background
scaleType
adjustViewBounds
cropToPadding
All Attributes
adjustViewBounds
alpha
background
baseline
baselineAlignBottom
clickable
contentDescription @string/txtSailBoat
cropToPadding
drawingCacheQuality
duplicateParentState
fadeScrollbars
fadingEdge
fadingEdgeLength

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (22 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The layout editor for 'activity_main.xml' is active. In the center, there's a large blue gradient background with the word 'ImageView' written in white. On the right side of the screen, a sailboat image is displayed. A yellow callout box with a black border and rounded corners is positioned over the palette. It contains two lines of text: 'Add a new TableLayout by right-clicking on it ...' and 'The TableLayout is described on pages 311-312 of Android Boot Camp'. An arrow points from the top of this callout box towards the 'TableLayout' item in the palette. The palette itself is titled 'activity_main.xml' and shows tabs for 'Common', 'Text', 'Buttons', 'Widgets', 'Layouts', 'Containers', 'Google', and 'Legacy'. The 'Layouts' tab is currently selected. The 'TableLayout' item is highlighted with a blue selection bar. Below the palette is a 'Component Tree' panel showing 'LinearLayout(horizontal)' and 'sailboatImageView'. To the right of the layout editor is the 'Attributes' panel, which lists various properties for the 'sailboatImageView' component, such as 'id' set to 'sailboatImageView', 'srcCompat' set to '@drawable/sail', and 'contentDescription' set to '@string/txtSailBoat'. The bottom of the screen shows standard Android Studio navigation bars for 'TODO', 'Terminal', 'Build', 'Logcat', and 'Event Log', along with a status message about source generation.

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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
ConstraintLayout
Guideline (horizontal)
Guideline (vertical)
LinearLayout (horizontal)
LinearLayout (vertical)
FrameLayout
TableLayout
TableRow
Space
Add to Design
Favorite
Android Documentation
Material Guidelines
Nexus_5_Pie
28
AppTheme
Default (en-us)
28%
Attributes
sailboatImageView
id sailboatImageView
Declared Attributes
Layout
layout_width @dimen/stdSailWidth
layout_height @dimen/stdSailHeight
layout_weight 1
visibility
visibility
Common Attributes
srcCompat @drawable/sail
srcCompat
contentDescription @string/txtSailBoat
background
scaleType
adjustViewBounds
cropToPadding
All Attributes
adjustViewBounds
alpha
background
baseline
baselineAlignBottom
clickable
contentDescription @string/txtSailBoat
cropToPadding
drawingCacheQuality
duplicateParentState
fadeScrollbars
fadingEdge
fadingEdgeLength
Device File Explorer

... and selecting the Add to Design menu item

Note that, since the LinearLayout has horizontal orientation, the new TableLayout will appear immediately to the right of the sailboat image

Component Tree
LinearLayout(horizontal)
sailboatImageView

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (22 minutes ago)

The screenshot shows the Android Studio Layout Editor. On the left, the Project structure is visible, with the 'app' module selected. In the center, the 'activity_main.xml' layout file is being edited. A 'TableLayout' is being added to the design. A tooltip provides instructions: "... and selecting the Add to Design menu item" and "Note that, since the LinearLayout has horizontal orientation, the new TableLayout will appear immediately to the right of the sailboat image". The right side of the screen displays the 'Attributes' panel for the 'sailboatImageView'. The 'id' attribute is set to 'sailboatImageView'. Other attributes like 'layout_width' and 'layout_height' are also shown. The bottom of the screen shows the 'Component Tree' containing a 'LinearLayout(horizontal)' and a 'sailboatImageView'. The bottom navigation bar includes tabs for 'Design' and 'Text'.

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

TableLayout

id
Declared Attributes
Layout
layout_width
layout_height
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
collapseColumns
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState

Component Tree
LinearLayout(horizontal)
sailboatImageView

Expand the new TableLayout in the Component Tree

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (22 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The 'activity_main.xml' layout file is being edited. In the layout editor, a 'TableLayout' is currently selected from the palette. A yellow callout box with the text 'Expand the new TableLayout in the Component Tree' points to the 'Component Tree' section of the layout editor, which lists a 'LinearLayout(horizontal)' containing a 'sailboatImageView'. The palette also displays other layout options like 'ConstraintLayout', 'Guideline', and 'FrameLayout'. The right-hand panel shows the attributes for the selected 'TableLayout', including common attributes like 'layout_width' and 'layout_height'. The bottom navigation bar has tabs for 'Design' and 'Text', with 'Design' currently selected.

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

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

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

1:Project
Resource Manager
Gradle Scripts
2:Structure
Favorites
Build Variants
Layout Captures
Page Header

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

TableLayout

id
Declared Attributes
Layout
layout_width
layout_height
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
collapseColumns
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState

Component Tree
LinearLayout(horizontal)
sailboatImageView
TableLayout
TableRow
TableRow
TableRow
TableRow

Design Text

Notice that four TableRows have already been added with the TableLayout, so we don't need to add them, just configure them.

Source generation ended in 718 ms (23 minutes ago)

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

TableLayout

id
Declared Attributes
Layout
layout_width
layout_height
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
collapseColumns
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState

Component Tree

LinearLayout(horizontal)
sailboatImageView
TableLayout
TableRow
TableRow
TableRow
TableRow

Select the TableLayout ...

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (23 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
... and change its ID

Declared Attributes
Layout
layout_width match_parent
layout_height match_parent
layout_weight 1
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
collapseColumns
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState

Component Tree
LinearLayout(horizontal)
sailboatImageView
TableLayout
TableRow
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (23 minutes ago)

This screenshot shows the Android Studio interface for editing the layout file 'activity_main.xml'. The left sidebar displays the project structure, including the 'app' module with its Java and XML files. The main workspace shows the 'activity_main.xml' layout editor. The layout consists of a horizontal LinearLayout containing a sailboat ImageView and a TableLayout with four TableRow children. A yellow callout box points to the 'tblLayout' entry in the 'Declared Attributes' section of the right-hand Properties panel, with the text '... and change its ID' inside it. The Properties panel also lists various layout attributes like 'layout_width', 'layout_height', and 'layout_weight'. The bottom navigation bar includes tabs for 'Design' and 'Text', along with other standard Android Studio toolbars.

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common ConstraintLayout
Text Guideline (horizontal)
Buttons Guideline (vertical)
Widgets LinearLayout (horizontal)
Layouts LinearLayout (vertical)
Containers FrameLayout
Google TableLayout
Legacy TableRow
Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28%

Attributes

tblLayout

id tblLayout

Declared Attributes

Layout

layout_width fill_parent

layout_height match_parent

layout_weight 1

orientation

Change the layout_width by typing 'fill_parent' (this value is not in the pulldown menu)

Now the TableLayout occupies the LinearLayout space from the sailboatImageView to the right edge

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
TableRow
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (23 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. In the layout editor, a TableLayout is being used to expand a LinearLayout. The TableLayout contains four TableRow elements. A yellow callout box points to the 'layout_width' attribute in the Attributes panel, which is set to 'fill_parent'. Another yellow callout box points to the 'Component Tree' panel, where the TableLayout is listed under the LinearLayout. A note in a yellow box says: 'Change the layout_width by typing 'fill_parent' (this value is not in the pulldown menu)'. Another note in a yellow box says: 'Now the TableLayout occupies the LinearLayout space from the sailboatImageView to the right edge'.

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common ConstraintLayout
Text Guideline (horizontal)
Buttons Guideline (vertical)
Widgets LinearLayout (horizontal)
Layouts LinearLayout (vertical)
Containers FrameLayout
Google TableLayout
Legacy TableRow
Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28%

Attributes

tblLayout

id tblLayout

Declared Attributes

Layout

layout_width fill_parent

layout_height fill_parent

layout_weight 1

visibility

gravity

Change the layout_height by typing 'fill_parent' (this value is not in the dropdown menu)

Now the TableLayout occupies the LinearLayout space from the sailboatImageView to the bottom edge

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
TableRow
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (23 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. In the center is the Layout Editor for the file 'activity_main.xml'. The editor displays a white layout area containing a sailboat image view and a TableLayout. The TableLayout has four rows. The first row contains the sailboat image view. The second row is highlighted in blue, indicating it is selected. The third and fourth rows are empty. To the right of the layout area is the 'Attributes' panel, which lists various properties for the selected row. A yellow callout box with the text 'Change the layout_height by typing "fill_parent" (this value is not in the dropdown menu)' points to the 'layout_height' field, which currently has the value 'fill_parent' typed in. Another yellow callout box below it says 'Now the TableLayout occupies the LinearLayout space from the sailboatImageView to the bottom edge'. At the bottom of the screen, there are tabs for 'Design' and 'Text', with 'Design' currently selected.

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

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

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

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

activity_main.xml > MainActivity.java

Palette Attributes

Common Text Buttons Widgets Layouts Containers Google Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblLayout
keepScreenOn
layerType
layoutAnimation
layout_gravity
layout_height
layout_margin
layout_weight
layout_width
longClickable
measureWithLargest
minHeight
minWidth
nextFocusDown
nextFocusForward
nextFocusLeft
nextFocusRight
nextFocusUp
onClick
orientation
overScrollMode
padding
persistentDrawingC
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollX
scrollY
scrollbarAlwaysDraw

Expand the layout_gravity attribute

Activity Main XML Layout

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The 'activity_main.xml' layout file is selected in the 'res/layout' directory. The layout consists of a 'TableLayout' containing four 'TableRow' elements. The first 'TableRow' contains an 'ImageView' of a sailboat. The second 'TableRow' is highlighted with a blue selection bar. A yellow callout box with the text 'Expand the layout_gravity attribute' points to the 'layout_gravity' attribute in the 'Attributes' panel for the second 'TableRow'. The 'Component Tree' panel shows the structure: a 'LinearLayout(horizontal)' containing a 'sailboatImageView' and a 'tblLayout' which in turn contains four 'TableRow' elements.

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

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

SailingAdventures > 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

ConstraintLayout
Guideline (horizontal)
Guideline (vertical)
LinearLayout (horizontal)
LinearLayout (vertical)
FrameLayout
TableLayout
TableRow
Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28%

tblLayout
keepScreenOn
layerType
layoutAnimation
layout_gravity
center_vertical
bottom
clip_horizontal
center
clip_vertical
start
right
center_horizontal
fill
fill_horizontal
top
left
center_vertical
fill_vertical
end
longClickable
measureWithLargest
minHeight
minWidth
nextFocusDown
nextFocusForward
nextFocusLeft
nextFocusRight
nextFocusUp
onClick

Select the 'center_vertical' value for the layout_gravity

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (24 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The 'activity_main.xml' layout file is selected. In the layout editor, a sailboat image is centered vertically within a table row. The 'Component Tree' panel shows a hierarchy of components: a horizontal LinearLayout containing a sailboat ImageView and a tblLayout. The tblLayout contains four TableRow components. The 'Attributes' panel on the right shows various properties for the selected TableRow, with the 'center_vertical' checkbox highlighted in blue. A yellow callout box with the text 'Select the 'center_vertical' value for the layout_gravity' has an arrow pointing to this checkbox. The status bar at the bottom indicates that source generation ended 718 ms ago, 24 minutes ago.

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common ConstraintLayout
Text Guideline (horizontal)
Buttons Guideline (vertical)
Widgets LinearLayout (horizontal)
Layouts LinearLayout (vertical)
Containers FrameLayout
Google TableLayout
Legacy TableRow
Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

TableRow

layerType

layoutAnimation

layout_gravity

layout_height match_parent

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

layout_weight

layout_width match_parent

longClickable

measureWithLargest

minHeight

minWidth

nextFocusDown

nextFocusForward

nextFocusLeft

nextFocusRight

nextFocusUp

onClick

orientation

overScrollMode

padding [?, ?, ?, ?, ?]

persistentDrawingCache

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

Device File Explorer

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
TableRow
TableRow
TableRow
TableRow

Select the first TableRow in the Component Tree

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (24 minutes ago)

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

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

SailingAdventures > 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
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Change the TableRow's ID

TableRow1

Declared Attributes
Layout
layout_width match_parent
layout_height match_parent
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
TableRow
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (24 minutes ago)

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

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

SailingAdventures > 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
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow1
id tblRow1
Declared Attributes
Layout
layout_width fill_parent
layout_height match_parent
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

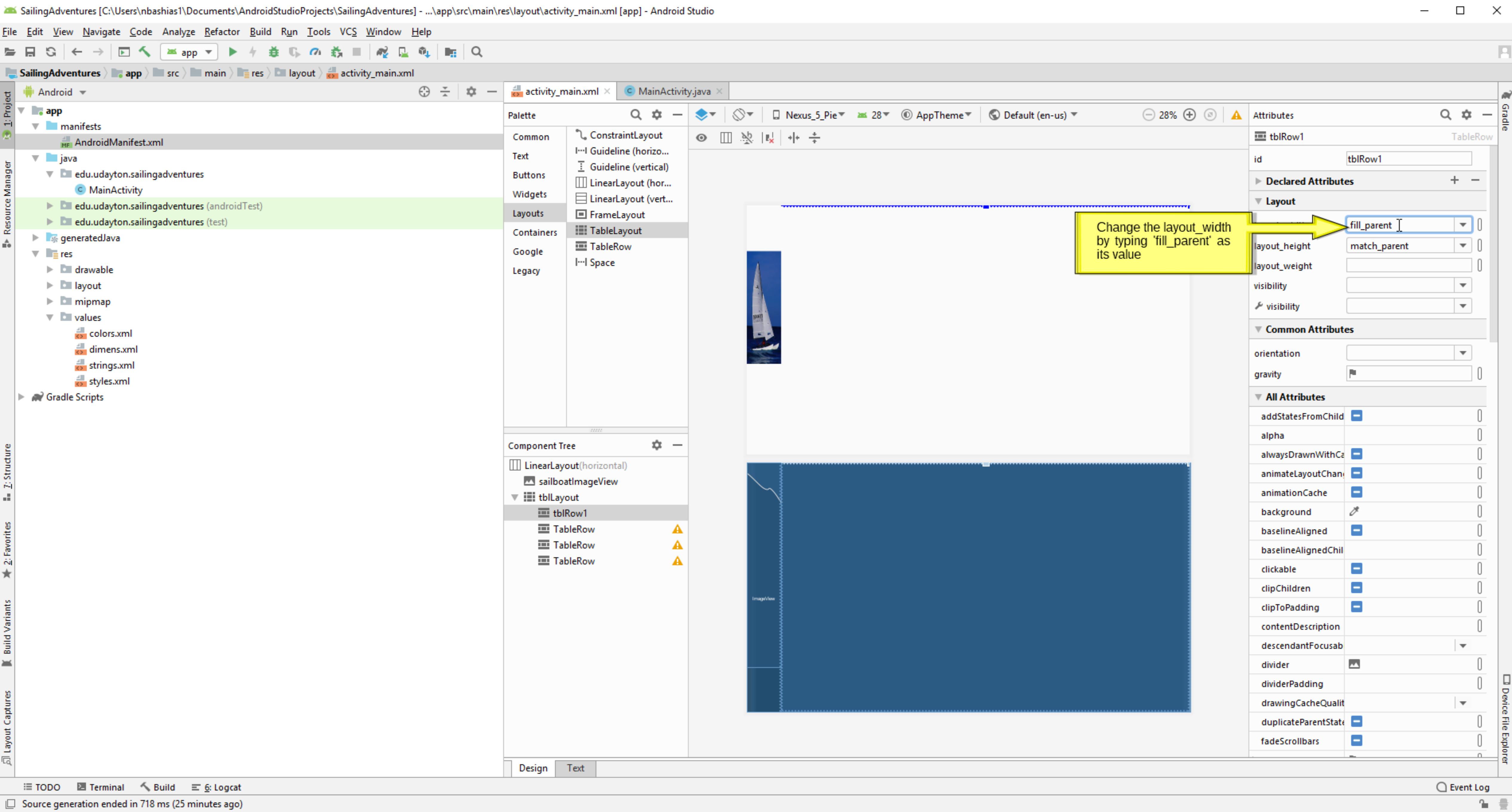
Change the layout_width by typing 'fill_parent' as its value

Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (25 minutes ago)



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

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

SailingAdventures > 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

ConstraintLayout Guideline (horizontal) Guideline (vertical) LinearLayout (horizontal) LinearLayout (vertical) FrameLayout TableLayout TableRow Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% + A Attributes

tblRow1 id tblRow1 Declared Attributes Layout layout_width fill_parent Use the pulldown menu ... visibility visibility Common Attributes orientation gravity All Attributes addStatesFromChild alpha alwaysDrawnWithCache animateLayoutChanges animationCache background baselineAligned baselineAlignedChildren clickable clipChildren clipToPadding contentDescription descendantFocusable divider dividerPadding drawingCacheQuality duplicateParentState fadeScrollbars

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (25 minutes ago)

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

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

SailingAdventures > 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
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow1
id:tblRow1
Declared Attributes
Layout
layout_width: fill_parent
layout_height: match_parent
layout_weight: match_parent
visibility: wrap_content
Common Attributes
orientation: gravity:
All Attributes

... to change the layout_height to 'wrap_content'

Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (25 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The 'activity_main.xml' layout file is currently selected. The layout itself is a horizontal linear layout containing a sailboat image view and a table layout with four rows. The first row of the table layout is selected. In the attributes panel, the 'layout_height' attribute is highlighted with a yellow arrow pointing to the dropdown menu, which has a yellow callout box with the text "... to change the layout_height to 'wrap_content'". The component tree on the left shows the hierarchical structure of the layout components.

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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow1
id tbRow1
Declared Attributes
Layout
layout_width fill_parent
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
TableRow
TableRow
TableRow

Switch to the layout's text view

Design Text

Source generation ended in 718 ms (25 minutes ago)

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project Resource Manager

Android

app

- manifests
- AndroidManifest.xml
- java

 - edu.udayton.sailingadventures

 - MainActivity

 - generatedJava
 - res

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

Gradle Scripts

2:Structure

2:Favorites

Build Variants

Layout Captures

activity_main.xml x MainActivity.java x

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/sailboatImageView"
        android:layout_width="@dimen/stdSailWidth"
        android:layout_height="@dimen/stdSailHeight"
        android:layout_weight="1"
        android:contentDescription="@string/txtSailBoat"
        app:srcCompat="@drawable/sail" />

    <TableLayout
        android:id="@+id/tblLayout">

        <TableRow
            android:id="@+id/tblRow1"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

    </TableLayout>
</LinearLayout>
```

Preview Nexus_5_Pie 28 AppTheme 23% + Preview

Palette

We now need to change the first TableRow's XML tag from an empty tag to a container tag, so we can add the View element (and then add a TextView to the View in design view)

Device File Explorer

LinearLayout > TableLayout > TableRow

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (25 minutes ago) 27:50 CRLF 4 spaces

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

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

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

1: Project Resource Manager

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity.java

edu.udayton.sailingadventures

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

2: Favorites

Build Variants

Layout Captures

1: Structure

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/sailboatImageView"
        android:layout_width="@dimen/stdSailWidth"
        android:layout_height="@dimen/stdSailHeight"
        android:layout_weight="1"
        android:contentDescription="@string/txtSailBoat"
        app:srcCompat="@drawable/sail" />

    <TableLayout
        android:id="@+id/tblLayout"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:layout_gravity="center_vertical"
        android:layout_weight="1">

        <TableRow
            android:id="@+id/tblRow1"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content" />Carefully delete  
this '/' just before  
the '>' on this  
line
        <TableRow
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />
        <TableRow
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />
        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />
    </TableLayout>
</LinearLayout>
```

Preview

Nexus_5_Pie 28 AppTheme 23%

Palette

Design Text

LinearLayout > TableLayout > TableRow

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (26 minutes ago) 1 char 27:51 CRLF 4 spaces

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

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

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

Android

Project

Resource Manager

Gradle Scripts

Favorites

Build Variants

Layout Captures

Element TableRow is not closed

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity

edu.udayton.sailingadventures

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

activity_main.xml

MainActivity.java

Preview

Nexus_5_Pie 28 AppTheme 23%

Palette

Design Text

LinearLayout > TableLayout

<?xml version="1.0" encoding="utf-8" ?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
 xmlns:app="http://schemas.android.com/apk/res-auto"
 xmlns:tools="http://schemas.android.com/tools"
 android:layout_width="match_parent"
 android:layout_height="match_parent"
 tools:context=".MainActivity" >

<ImageView
 android:id="@+id/sailboatImageView"
 android:layout_width="@dimen/stdSailWidth"
 android:layout_height="@dimen/stdSailHeight"
 android:layout_weight="1"
 android:contentDescription="@string/txtSailBoat"
 app:srcCompat="@drawable/sail" />

<TableLayout
 android:id="@+id/tblLayout"
 android:layout_width="fill_parent"
 android:layout_height="fill_parent"
 android:layout_gravity="center_vertical"
 android:layout_weight="1" >

<TableRow
 android:id="@+id/tblRow1"
 android:layout_width="fill_parent"
 android:layout_height="wrap_content" >[
 Place the cursor at the end of
 this line, and hit the Enter key

<TableRow
 android:layout_width="match_parent"
 android:layout_height="match_parent" />

<TableRow
 android:layout_width="match_parent"
 android:layout_height="match_parent" />

<TableRow
 android:layout_width="match_parent"
 android:layout_height="match_parent" />

</TableLayout>

</LinearLayout>

27:51 CRLF 4 spaces

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

Android

Project

Resource Manager

Gradle Scripts

Favorites

Build Variants

Layout Captures

activity_main.xml x MainActivity.java x Preview

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

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/sailboatImageView"
        android:layout_width="@dimen/stdSailWidth"
        android:layout_height="@dimen/stdSailHeight"
        android:layout_weight="1"
        android:contentDescription="@string/txtSailBoat"
        app:srcCompat="@drawable/sail" />

    <TableLayout
        android:id="@+id/tblLayout"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:layout_gravity="center_vertical"
        android:layout_weight="1">

        <TableRow
            android:id="@+id/tblRow1"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content" >
            <TableLayout>
```

Type '</TableRow>' to close the TableRow container

```
        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />
    </TableLayout>
</LinearLayout>
```

Design Text

Nexus_5_Pie 28 AppTheme 23% Preview

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 718 ms (26 minutes ago) 28:13 CRLF 4 spaces

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project Resource Manager

Android app manifests AndroidManifest.xml java edu.udayton.sailingadventures MainActivity generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

activity_main.xml x MainActivity.java x Preview Nexus_5_Pie 28 AppTheme 23% + -

1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3 xmlns:app="http://schemas.android.com/apk/res-auto"
4 xmlns:tools="http://schemas.android.com/tools"
5 android:layout_width="match_parent"
6 android:layout_height="match_parent"
7 tools:context=".MainActivity">
8
9 <ImageView
10 android:id="@+id/sailboatImageView"
11 android:layout_width="@dimen/stdSailWidth"
12 android:layout_height="@dimen/stdSailHeight"
13 android:layout_weight="1"
14 android:contentDescription="@string/txtSailBoat"
15 app:srcCompat="@drawable/sail" />
16
17 <TableLayout
18 android:id="@+id/tblLayout"
19 android:layout_width="fill_parent"
20 android:layout_height="fill_parent"
21 android:layout_gravity="center_vertical"
22 android:layout_weight="1">
23
24 <TableRow
25 android:id="@+id/tblRow1"
26 android:layout_width="fill_parent"
27 android:layout_height="wrap_content" >
28 </TableRow> [*The first TableRow XML element should now look like this*]
29
30 <TableRow
31 android:layout_width="match_parent"
32 android:layout_height="match_parent" />
33
34 <TableRow
35 android:layout_width="match_parent"
36 android:layout_height="match_parent" />
37
38 <TableRow
39 android:layout_width="match_parent"
40 android:layout_height="match_parent" />
41 </TableLayout>
42 </LinearLayout>

LinearLayout > TableLayout

Design Text

Preview

The first TableRow XML element should now look like this

Device File Explorer

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

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

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

1:Project Resource Manager

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity.java

edu.udayton.sailingadventures

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

2:Structure

3:Favorites

Build Variants

Layout Captures

LinearLayout > TableLayout > TableRow

Design Text

Again, place the cursor and the end of this line and hit the Enter key

```
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/sailboatImageView"
        android:layout_width="@dimen/stdSailWidth"
        android:layout_height="@dimen/stdSailHeight"
        android:layout_weight="1"
        android:contentDescription="@string/txtSailBoat"
        app:srcCompat="@drawable/sail" />

    <TableLayout
        android:id="@+id/tblLayout"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:layout_gravity="center_vertical"
        android:layout_weight="1">

        <TableRow
            android:id="@+id/tblRow1"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content" >[|]
        </TableRow>

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />
    </TableLayout>
</LinearLayout>
```

Source generation ended in 718 ms (26 minutes ago) 27:51 CRLF 4 spaces

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

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

SailingAdventures app src main res layout activity_main.xml

1: Project

Resource Manager

1: Structure

2: Favorites

Build Variants

Layout Captures

Page Header

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity.java

edu.udayton.sailingadventures

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

MainActivity.java

Preview

Nexus_5_Pie 28 AppTheme 23% +

Code Editor Content

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/sailboatImageView"
        android:layout_width="@dimen/stdSailWidth"
        android:layout_height="@dimen/stdSailHeight"
        android:layout_weight="1"
        android:contentDescription="@string/txtSailBoat"
        app:srcCompat="@drawable/sail" />

    <TableLayout
        android:id="@+id/tblLayout"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:layout_gravity="center_vertical"
        android:layout_weight="1">

        <TableRow
            android:id="@+id/tblRow1"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content" >
            <View android:layout_height="@dimen/stdViewHeight" />
        </TableRow>

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />
    </TableLayout>
</LinearLayout>
```

Preview Area

Add this XML code for a new View element inside the first TableRow

We have to add this View element in text mode, since it is not possible to easily add it in design mode

Design Text

Page Footer

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

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

SailingAdventures app src main res layout activity_main.xml

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

activity_main.xml MainActivity.java

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/sailboatImageView"
        android:layout_width="@dimen/stdSailWidth"
        android:layout_height="@dimen/stdSailHeight"
        android:layout_weight="1"
        android:contentDescription="@string/txtSailBoat"
        app:srcCompat="@drawable/sail" />

    <TableLayout
        android:id="@+id/tblLayout"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:layout_gravity="center_vertical"
        android:layout_weight="1">

        <TableRow
            android:id="@+id/tblRow1"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content" >
            <View android:layout_height="@dimen/stdViewHeight" />
        </TableRow>

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />

        <TableRow
            android:layout_width="match_parent"
            android:layout_height="match_parent" />
    </TableLayout>
</LinearLayout>
```

Preview Nexus_5_Pie 28 AppTheme 23% + Preview

Palette

Switch back to the layout's design view

LinearLayout > TableLayout > TableRow

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (27 minutes ago)

28:66 CRLF 4 spaces

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

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

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

1:Project
Resource Manager
Gradle Scripts
2:Structure
Favorites
Build Variants
Layout Captures
Page Header

activity_main.xml > MainActivity.java

Palette Attributes

Common ConstraintLayout
Text Guideline (horizontal)
Buttons Guideline (vertical)
Widgets LinearLayout (horizontal)
Layouts LinearLayout (vertical)
Containers FrameLayout
Google TableLayout
Legacy TableRow
Space

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% Attributes

tblRow1

id tblRow1

Declared Attributes

Layout

layout_width fill_parent
layout_height wrap_content
layout_weight
visibility
visibility

Common Attributes

orientation
gravity

All Attributes

addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
TableRow
TableRow
TableRow

Design Text

Click to expand the first TableRow in the Component Tree

Source generation ended in 718 ms (27 minutes ago)

Event Log

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

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

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

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

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow1

id TableRow1

Declared Attributes

Layout

layout_width fill_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

orientation

gravity

All Attributes

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChangi

animationCache

background

baselineAligned

baselineAlignedChil

clickable

clipChildren

clipToPadding

contentDescription

descendantFocusab

divider

dividerPadding

drawingCacheQualit

duplicateParentState

fadeScrollbars

Device File Explorer

Select the Common Palette category

activity_main.xml

MainActivity.java

Component Tree

LinearLayout(horizontal)

sailboatImageView

tblLayout

tblRow1

View

TableRow

TableRow

TableRow

Image

Design Text

Source generation ended in 718 ms (27 minutes ago)

Event Log

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

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

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

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

Activity Main XML Editor

Palette: Common, Ab TextView (selected), Text, Buttons, Widgets, Layouts, Containers, Google, Legacy

Component Tree:

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - TableRow
 - TableRow
 - TableRow

Design View (Preview): A sailboat image view and a table layout containing three table rows.

Text View (Code):

```
<TableLayout xmlns:android="http://schemas.android.com/apk/res/android">
    <TableRow>
        <Imageview</Imageview>
    </TableRow>
    <TableRow></TableRow>
    <TableRow></TableRow>
    <TableRow></TableRow>
</TableLayout>
```

Attributes (tblRow1):

- id: tblRow1
- Declared Attributes
- Layout
- Common Attributes
- All Attributes

Common Attributes (tblRow1):

- layout_width: fill_parent
- layout_height: wrap_content
- layout_weight:
- visibility:
- ✓ visibility:

Common Attributes (tblRow1):

- orientation:
- gravity:

All Attributes (tblRow1):

- addStatesFromChild:
- alpha:
- alwaysDrawnWithCa:
- animateLayoutChangi:
- animationCache:
- background:
- baselineAligned:
- baselineAlignedChil:
- clickable:
- clipChildren:
- clipToPadding:
- contentDescription:
- descendantFocusab:
- divider:
- dividerPadding:
- drawingCacheQualit:
- duplicateParentState:
- fadeScrollbars:

Bottom Navigation Bar:

- TODO
- Terminal
- Build
- Logcat
- Source generation ended in 718 ms (27 minutes ago)
- Event Log

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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
Generated Java
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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab textView
id textView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
Ab textView- "TextView"
TableRow
TableRow
TableRow

... to the View in the Component Tree

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (27 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The layout editor for 'activity_main.xml' is active. In the layout preview, there is a sailboat image and a text view below it. A yellow callout with the text "... to the View in the Component Tree" points from the text view in the component tree to the text view in the layout preview. The component tree shows the structure of the layout, including a LinearLayout containing a sailboat ImageView and a tblLayout containing a tblRow1 with three TableRow children. The attributes panel on the right is open for the selected TextView, showing common attributes like text, textSize, and textStyle.

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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
Generated Java
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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

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

TextView

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
Ab textView
TableRow
TableRow
TableRow

Select the newly-added TextView in the Component Tree

Design Text

Attributes

Ab textView
id textView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (27 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab textView
Button
ImageView
RecyclerView
<> <fragment>
ScrollView
Switch

Change the TextView's ID

Declared Attributes
Layout
Common Attributes
All Attributes

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
- Ab textView- "TextView"
 - TableRow
 - TableRow
 - TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (28 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The layout editor is the active window, displaying the XML file 'activity_main.xml'. The layout itself consists of a horizontal LinearLayout containing an ImageView of a sailboat, a TableLayout with one row, and a final TextView at the bottom. A yellow callout box highlights the TextView, with the text 'Change the TextView's ID' inside it. In the Attributes panel, the 'text' attribute is currently set to 'TextView'. The Project Navigators sidebar on the left lists various files and resources, and the bottom navigation bar includes standard Android Studio tools like TODO, Terminal, Build, Logcat, and Event Log.

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab titleTextView
id titleTextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

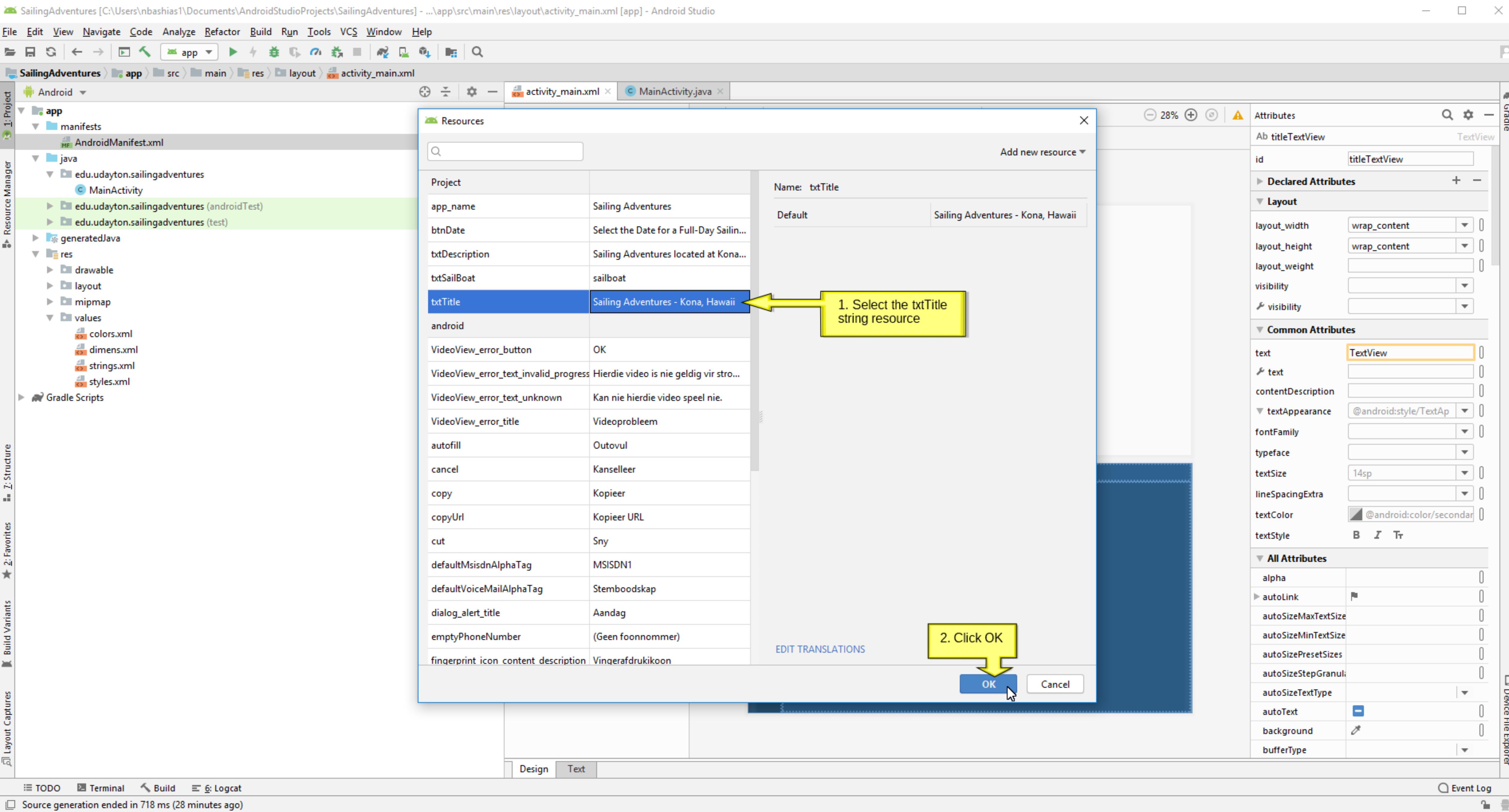
Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
Ab titleTextView- "TextV...
TableRow
TableRow
TableRow

Design Text

Use the Resource manager to set the title text

Source generation ended in 718 ms (28 minutes ago)

Event Log



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

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab titleTextView
id titleTextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text @string/txTitle
text
contentDescription
textAppearance
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor
textStyle B I
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Design Text

Sailing Adventures - Kona, Hawaii

Sailboat Image View

tblLayout
tblRow1
View
Ab titleTextView
TableRow
TableRow
TableRow

Use the values menu for the fontFamily attribute ...

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Ab titleTextView
id titleTextView
Declared Attributes
Layout
Common Attributes
text @string/txTitle
textAppearance
fontFamily serif
typeface
textColor
textStyle
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

... to change the fontFamily to serif

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView
 - TableRow
 - TableRow
 - TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (28 minutes ago)

The screenshot shows the Android Studio layout editor for the 'activity_main.xml' file. The left sidebar displays the project structure, with the 'app' module selected. The main area shows the layout XML code and a preview of the UI. In the preview, there is a title text view at the top and a sailboat image view below it. The right side of the screen shows the 'Attributes' panel for the selected 'titleTextView'. A yellow callout box points to the 'fontFamily' dropdown, which is currently set to 'serif'. The text '... to change the fontFamily to serif' is displayed inside the callout. The 'fontFamily' dropdown also lists other options like 'sans-serif-condensed-lic', 'sans-serif-condensed-m', 'monospace', 'serif-monospace', 'casual', 'cursive', and 'sans-serif-smallcaps'. The 'text' attribute is also highlighted in orange.

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab titleTextView
id titleTextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text @string/txtTitle
text
contentDescription
textAppearance @android:style/TextAp
fontFamily serif
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranul
autoSizeTextType
autoText
background
bufferType

Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
Ab titleTextView- "@string...
TableRow
TableRow
TableRow

Design Text

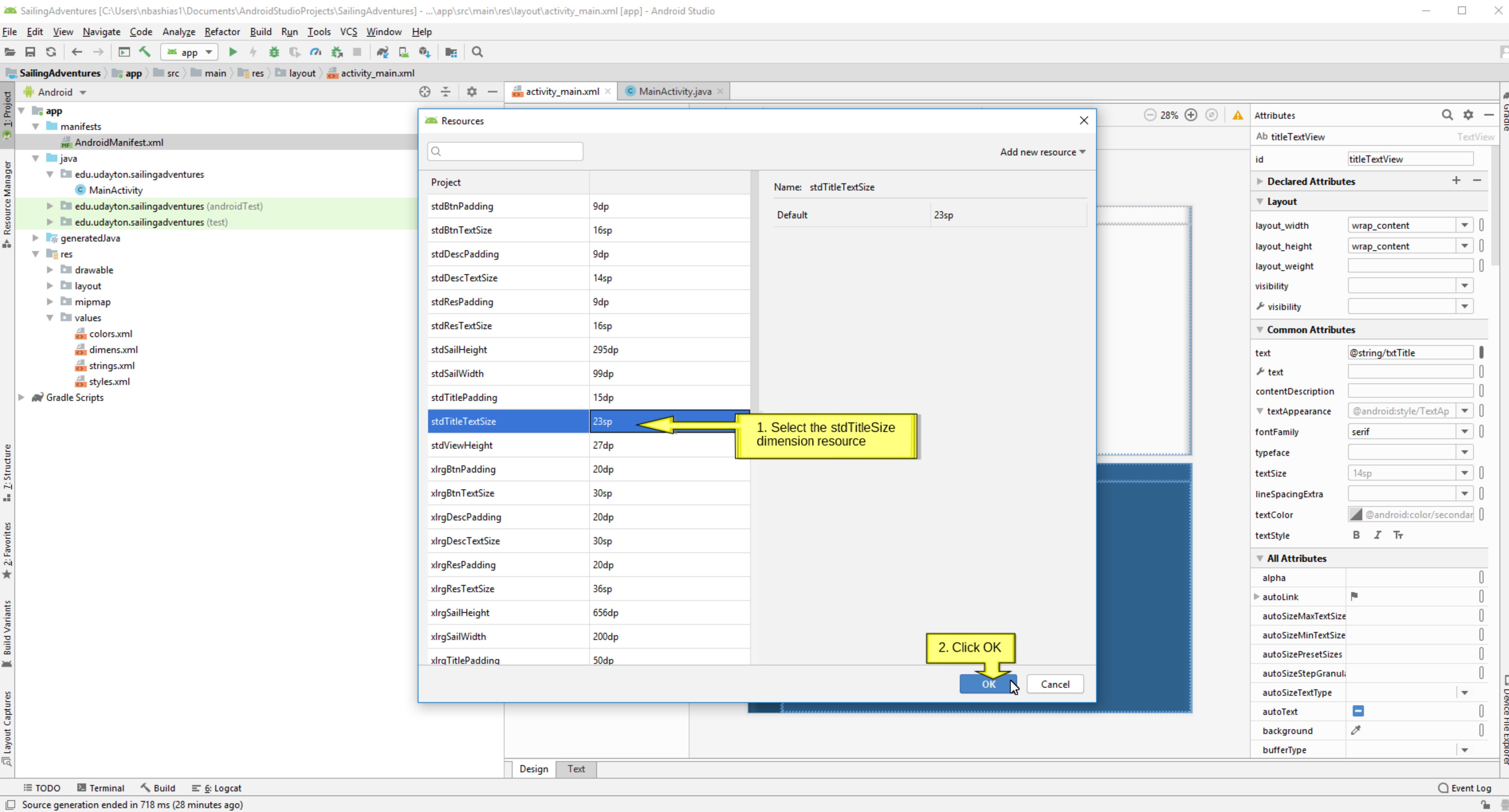
Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Use the Resource manager to set the title text size

Source generation ended in 718 ms (28 minutes ago)

Event Log



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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Expand the padding attributes

Sailing Adventures - Kona, Hawaii

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
- Ab titleTextView- "@string..."
 - TableRow
 - TableRow
 - TableRow

Design Text

Source generation ended in 718 ms (29 minutes ago)

Event Log

Device File Explorer

This screenshot shows the Android Studio interface for the SailingAdventures project. The main window displays the 'activity_main.xml' layout file. The layout consists of a title bar with the text 'Sailing Adventures - Kona, Hawaii' and a content area containing a sailboat image and a table layout. The table layout has one row and three columns, with the first column currently empty. A yellow callout box with the text 'Expand the padding attributes' points to the 'padding' attribute in the Attributes panel, which is set to '[?, ?, ?, ?, ?]'. The Attributes panel lists numerous other XML attributes for the title text view, such as 'titleTextSize', 'titleTextColor', 'titleTypeface', and 'titleTextStyle'. The Project, Resource Manager, and Favorites toolbars are visible on the left, and the Navigation, Build, and Logcat tabs are at the bottom.

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

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

Ab titleTextView
onClickListener
overScrollMode
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollLY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDelta
scrollbarFadeDuration
scrollbarSize
scrollbarStyle
scrollbarThumbHorizontal
scrollbarThumbVertical
scrollbarTrackHorizontal
scrollbarTrackVertical
scrollbars

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Component Tree

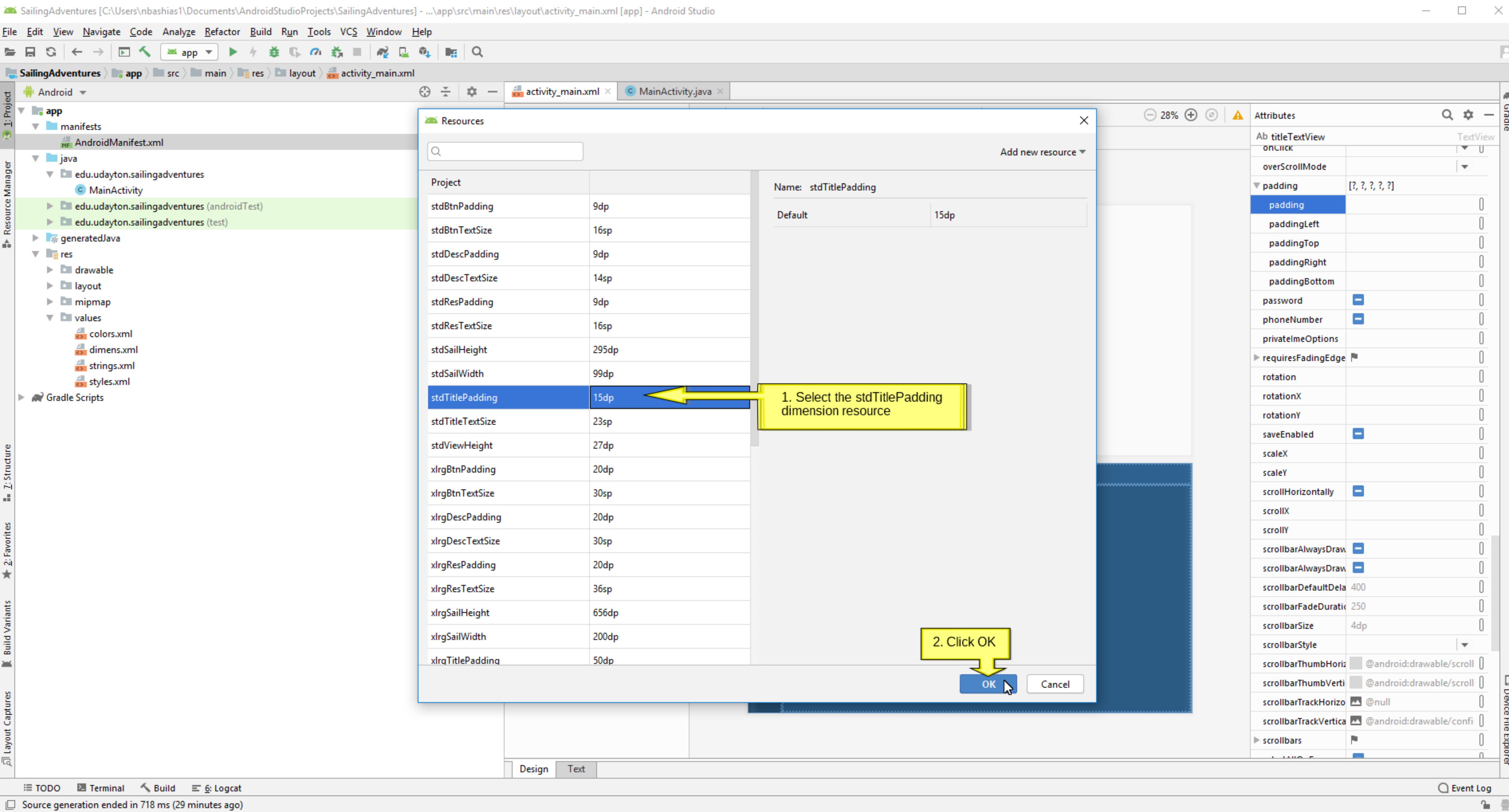
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
Ab titleTextView- "@string...
TableRow
TableRow
TableRow

Design Text

Use the Resource manager to set padding on all sides of the TextView

Source generation ended in 718 ms (29 minutes ago)

Event Log



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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

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

Ab titleTextView
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType
capitalize
clickable
contentDescription
cursorVisible
digits
drawableBottom
drawableEnd
drawableLeft
drawablePadding
drawableRight
drawableStart
drawableTop
drawingCacheQuality
duplicateParentState
editable
editorExtras
ellipsize
ems
enabled
fadeScrollbars
fadingEdge
fadingEdgeLength
filterTouchesWhenObscured
firstBaselineToTopHeight
fitsSystemWindows
focusable
focusableInTouchMode

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Use the Resource manager to set the background color

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View

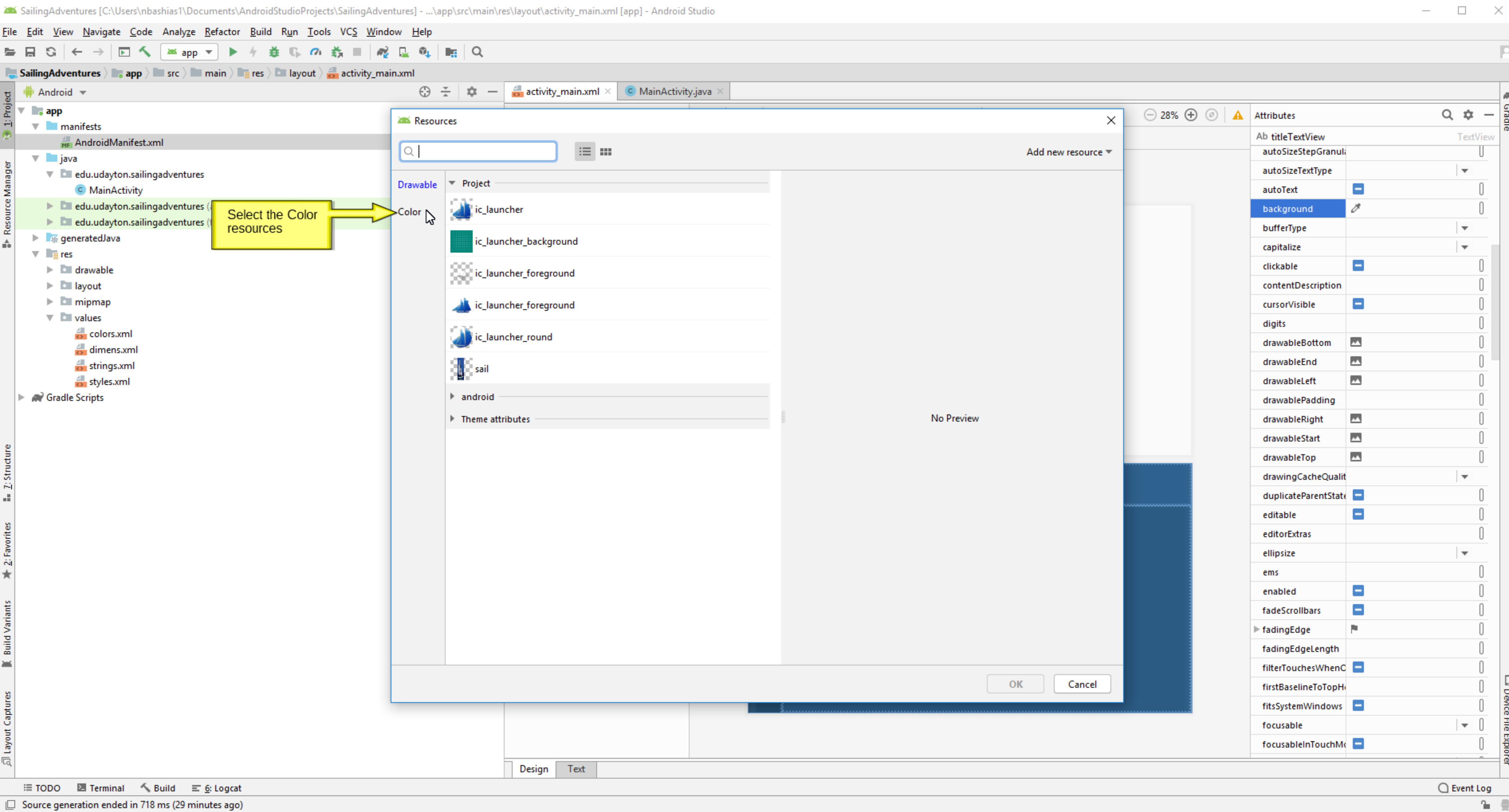
Ab titleTextView- "@string..."

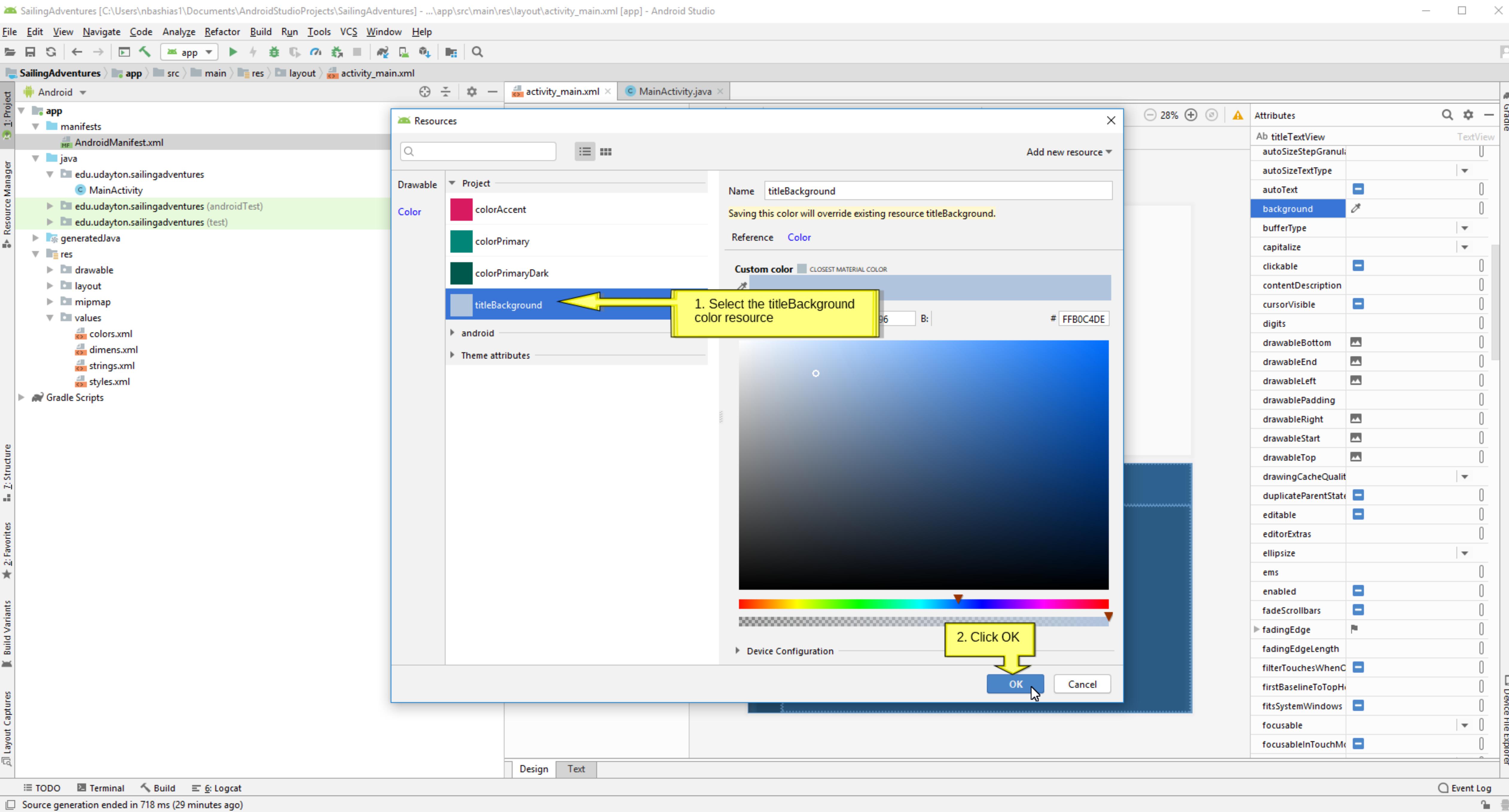
TableRow
TableRow
TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (29 minutes ago)





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

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

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

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

Activity Main XML Editor

activity_main.xml > MainActivity.java

Palette: Common, Text, Buttons, Widgets, Layouts, Containers, Google, Legacy

Attributes: titleTextview, foregroundGravity, freezesText, gravity, hapticFeedbackEnabled, height, hint, id, imeActionId, imeActionLabel, imeOptions, includeFontPadding, inputMethod, inputType, isScrollContainer, keepScreenOn, lastBaselineToBottom, layerType, layout_column, layout_gravity, layout_height, layout_margin, layout_span, layout_weight, layout_width, lineHeight, lineSpacingExtra, lineSpacingMultiple, lines, linksClickable, longClickable, marqueeRepeatLimit, maxEms

Design Text

Component Tree:

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextview- "@string...
 - TableRow
 - TableRow
 - TableRow

Yellow callout: Expand the gravity attribute

Source generation ended in 718 ms (29 minutes ago)

Event Log

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

titleTextView

fill_horizontal

Set the gravity to fill_horizontal

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
titleTextView- "@string...
TableRow
TableRow
TableRow

Design Text

Source generation ended in 718 ms (30 minutes ago)

Event Log

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab titleTextView
id titleTextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text @string/txtTitle
text
contentDescription
textAppearance @android:style/TextAp
fontFamily serif
typeface
textSize dimen/stdTitleTextSize
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranul
autoSizeTextType
autoText
background @color/titleBackground
bufferType

Design Text

Sailing Adventures - Kona, Hawaii

Hmmm ... it seems this text color is hard to read ...

So, we'll use the Resource manager to change the text color

Source generation ended in 718 ms (30 minutes ago)

Event Log

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

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

SailingAdventures > 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 Editor

MainActivity.java

Resources Dialog

Attributes Panel

Color palette: colorAccent (red), colorPrimary (teal), colorPrimaryDark (dark teal), titleBackground (blue)

Declared Attributes:

- id: titleTextView

Layout Attributes:

- layout_width: wrap_content
- layout_height: wrap_content
- layout_weight:
- visibility:
- visibility:

Common Attributes:

- text: @string/txtTitle
- text:
- contentDescription:
- textAppearance: @android:style/TextAp
- fontFamily: serif
- typeface:
- textSize: dimen/stdTitleTextSize
- lineSpacingExtra:
- textColor: @android:color/secondary
- textStyle: B I Tr

All Attributes:

- alpha:
- autoLink:
- autoSizeMaxTextSize:
- autoSizeMinTextSize:
- autoSizePresetSizes:
- autoSizeStepGranul:
- autoSizeTextType:
- autoText:
- background: @color/titleBackground
- bufferType:

Annotations:

- We can use an android (system) color, so expand this group

Design Text

Source generation ended in 718 ms (30 minutes ago)

Event Log

A yellow callout box with the text "We can use an android (system) color, so expand this group" points to the "android" section of the "Declared Attributes" list.

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

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

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

1: Project

Resource Manager

2: Structure

2: Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 718 ms (30 minutes ago)

activity_main.xml

MainActivity.java

Resources

Add new resource

Name: holo_blue_dark

Default

Project

colorAccent

colorPrimary

colorPrimaryDark

titleBackground

android

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

@android:color/holo_blue_dark
= #ff0099cc

Attributes

Ab titleTextView

id titleTextView

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txTitle

text

contentDescription

textAppearance @android:style/TextAp

fontFamily serif

typeface

textSize dimen/stdTitleTextSize

lineSpacingExtra

textColor @android:color/secondar

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background @color/titleBackground

bufferType

Design Text

1. Select the holo_blue_dark android color (instead of black), since it looks more nautical (our app's general theme)

2. Click OK

OK Cancel

Device File Explorer

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

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

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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab titleTextView
textColor #000000
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background @color/titleBackground
bufferType
capitalize
clickable
contentDescription
cursorVisible
digits
drawableBottom
drawableEnd
drawableLeft
drawablePadding
drawableRight
drawableStart
drawableTop
drawingCacheQuality
duplicateParentState
editable
editorExtras
ellipsize
ems
enabled

Design Text

Sailing Adventures - Kona, Hawaii

I would say the text is now more readable, and more nautical!

Component Tree
LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
Ab titleTextView- "@string...
TableRow
TableRow
TableRow

Source generation ended in 718 ms (30 minutes ago)

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

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

SailingAdventures > 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, Button, ImageView, RecyclerView, <> <fragment>, ScrollView, Switch

Text: Ab TextView

Buttons: Button

Widgets: ImageView

Layouts: RecyclerView

Containers: <> <fragment>, ScrollView

Google: ScrollView

Legacy: Switch

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - TableRow
 - TableRow

In the Component Tree, select the second TableRow for customization

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

TableRow

background

baselineAligned

baselineAlignedChild

clickable

clipChildren

clipToPadding

contentDescription

descendantFocusable

divider

dividerPadding

drawingCacheQuality

duplicateParentState

fadeScrollbars

fadingEdge

fadingEdgeLength

filterTouchesWhenObscured

fitsSystemWindows

focusable

focusableInTouchMode

foreground

foregroundGravity

gravity

hapticFeedbackEnabled

id

isScrollContainer

keepScreenOn

layerType

layoutAnimation

layout_gravity

layout_height

layout_margin

layout_weight

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (31 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Change the TableRow's ID

TableRow2

Attributes

Layout

Common Attributes

All Attributes

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
titleTextView- "@string...
TableRow
TableRow
TableRow

Sailing Adventures - Kona, Hawaii

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (31 minutes ago)

This screenshot shows the Android Studio interface for the SailingAdventures project. The main focus is the 'activity_main.xml' layout editor. The layout consists of a title bar with the text 'Sailing Adventures - Kona, Hawaii' and a content area featuring a sailboat image and a table structure. A yellow callout box highlights the text 'Change the TableRow's ID' next to the ID 'tblRow2' in the Attributes panel. The Attributes panel lists numerous properties for the selected TableRow. The Component Tree on the left shows the hierarchical structure of the layout. The bottom navigation bar includes tabs for Design and Text, along with standard Android Studio toolbars.

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

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

SailingAdventures > 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
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow2
id:tblRow2
Declared Attributes
Layout
layout_width: fill_parent
layout_height: match_parent
layout_weight:
visibility:
visibility:
Common Attributes
orientation:
gravity:
All Attributes
addStatesFromChild:
alpha:
alwaysDrawnWithCa:
animateLayoutChang:
animationCache:
background:
baselineAligned:
baselineAlignedChil:
clickable:
clipChildren:
clipToPadding:
contentDescription:
descendantFocusab:
divider:
dividerPadding:
drawingCacheQualit:
duplicateParentState:
fadeScrollbars:

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

SailboatImageview
tblLayout
tblRow1
View
titleTextView
tblRow2
TableRow
TableRow

Design Text

Change the layout_width by typing 'fill_parent' as its value

Source generation ended in 718 ms (31 minutes ago)

Event Log

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

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

SailingAdventures > 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
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow2
id:tblRow2
Declared Attributes
Layout
layout_width: fill_parent
layout_weight:
visibility:
visibility
Common Attributes
orientation:
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Sailing Adventures - Kona, Hawaii

Use the pulldown menu ...

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - tblRow2
 - titleTextView- "@string..."
 - tblRow2
 - TableRow
 - TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (31 minutes ago)

The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure under the "app" module. It includes "manifests", "java" (containing "edu.udayton.sailingadventures" and "MainActivity"), "generatedJava", and "res" (containing "drawable", "layout", "mipmap", and "values" subfolders with files like "colors.xml", "dimens.xml", "strings.xml", and "styles.xml").
- Layout Editor:** The main area displays the XML layout file "activity_main.xml". The layout includes a title bar with the text "Sailing Adventures - Kona, Hawaii" and a content area. The content area contains a "sailboatImageView" and a "tblLayout" (TableLayout). The "tblLayout" contains three rows: "tblRow1" (empty), "tblRow2" (containing a "titleTextView" with the string "@string/app_name"), and another "tblRow2" (containing two "TableRow"s).
- Palette:** On the left, the "Widgets" palette is open, showing categories like Common, Text, Buttons, Widgets, Layouts, Containers, Google, and Legacy.
- Attributes Panel:** On the right, the "Attributes" panel is open for the selected "tblRow2" view. It lists attributes such as "id" (set to "tblRow2"), "layout_width" (set to "fill_parent"), and many other common attributes like orientation, gravity, and visibility.
- Component Tree:** A tree view on the left shows the hierarchical structure of the layout components.
- Toolbars:** Standard Android Studio toolbars for file operations (New, Open, Save, etc.) are at the top.
- Status Bar:** At the bottom, it shows "Source generation ended in 718 ms (31 minutes ago)".

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow2
id: tblRow2
Declared Attributes
Layout
layout_width: fill_parent
layout_height: match_parent
layout_weight: match_parent
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

... to change the layout_height to 'wrap_content'

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - TableRow
 - TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (31 minutes ago)

Gradle

Device File Explorer

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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow2
id:tblRow2
Declared Attributes
Layout
layout_width: fill_parent
layout_height: wrap_content
layout_weight:
visibility:
visibility:
Common Attributes
orientation:
gravity:
All Attributes
addStatesFromChild:
alpha:
alwaysDrawnWithCa:
animateLayoutChang:
animationCache:
background:
baselineAligned:
baselineAlignedChil:
clickable:
clipChildren:
clipToPadding:
contentDescription:
descendantFocusab:
divider:
dividerPadding:
drawingCacheQualit:
duplicateParentState:
fadeScrollbars:
Device File Explorer

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Switch to the layout's text view

Design Text

Source generation ended in 718 ms (32 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1: Project

Resource Manager

2: Favorites

Build Variants

Layout Captures

1: Structure

2: Structure

Gradle Scripts

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity

edu.udayton.sailingadventures (androidTest)

edu.udayton.sailingadventures (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

activity_main.xml

```
15     app:srcCompat="@drawable/sail" />
16
17     <TableLayout
18         android:id="@+id/tblLayout"
19         android:layout_width="fill_parent"
20         android:layout_height="fill_parent"
21         android:layout_gravity="center_vertical"
22         android:layout_weight="1">
23
24         <TableRow
25             android:id="@+id/tblRow1"
26             android:layout_width="fill_parent"
27             android:layout_height="wrap_content" >
28             <View android:layout_height="@dimen/stdViewHeight" />
29
30             <TextView
31                 android:id="@+id/titleTextView"
32                 android:layout_width="wrap_content"
33                 android:layout_height="wrap_content"
34                 android:background="@color/titleBackground"
35                 android:gravity="fill_horizontal"
36                 android:padding="@dimen/stdTitlePadding"
37                 android:text="@string/txtTitle"
38                 android:textColor="@android:color/holo_blue_dark"
39                 android:textSize="@dimen/stdTitleTextSize"
40                 app:fontFamily="serif" />
41         </TableRow>
42
43         <TableRow
44             android:id="@+id/tblRow2"
45             android:layout_width="fill_parent"
46             android:layout_height="wrap_content" />
47
48             <TableRow
49                 android:layout_width="match_parent"
50                 android:layout_height="wrap_content" />
51
52             <TableRow
53                 android:layout_width="match_parent"
54                 android:layout_height="wrap_content" />
55         </TableLayout>
56     </LinearLayout>
```

Palette

Nexus_5_Pie 28 AppTheme 23% Preview

Sailing Adventures - Kona, Hawaii

Carefully delete this '/' just before the '}' on this line

We now need to change the second TableRow's XML tag from an empty tag to a container tag, so we can add the View element (and then add a TextView to the View in design view)

LinearLayout > TableLayout > TableRow

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (32 minutes ago)

1 char 46:51 CRLF 4 spaces

Event Log

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

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

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

1:Project
Resource Manager
2:Structure
Favorites
Build Variants
Layout Captures
Element TableRow is not closed

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity

edu.udayton.sailingadventures (androidTest)

edu.udayton.sailingadventures (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

Preview

Nexus_5_Pie 28 AppTheme 23% +

Place the cursor at the end of this line, and hit the Enter key

15 app:srcCompat="@drawable/sail" />

16

17 <TableLayout

18 android:id="@+id/tblLayout"

19 android:layout_width="fill_parent"

20 android:layout_height="fill_parent"

21 android:layout_gravity="center_vertical"

22 android:layout_weight="1">

23

24 <TableRow

25 android:id="@+id/tblRow1"

26 android:layout_width="fill_parent"

27 android:layout_height="wrap_content" >

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30 <TextView

31 android:id="@+id/titleTextView"

32 android:layout_width="wrap_content"

33 android:layout_height="wrap_content"

34 android:background="@color/titleBackground"

35 android:gravity="fill_horizontal"

36 android:padding="@dimen/stdTitlePadding"

37 android:text="@string/txtTitle"

38 android:textColor="@android:color/holo_blue_dark"

39 android:textSize="@dimen/stdTitleTextSize"

40 app:fontFamily="serif" />

41 </TableRow>

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" > []

47

48 <TableRow

49 android:layout_width="match_parent"

50 android:layout_height="match_parent" />

51

52 <TableRow

53 android:layout_width="match_parent"

54 android:layout_height="match_parent" />

55 </TableLayout>

56 </LinearLayout>

LinearLayout > TableLayout

Design Text

46:51 CRLF 4 spaces

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

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

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

Android

Project

Resource Manager

1: Project

activity_main.xml x MainActivity.java x

Preview

Nexus_5_Pie 28 AppTheme 23% + -

Palette

Preview

15 app:srcCompat="@drawable/sail" />

16

17 <TableLayout

18 android:id="@+id/tblLayout"

19 android:layout_width="fill_parent"

20 android:layout_height="fill_parent"

21 android:layout_gravity="center_vertical"

22 android:layout_weight="1">

23

24 <TableRow

25 android:id="@+id/tblRow1"

26 android:layout_width="fill_parent"

27 android:layout_height="wrap_content" >

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30 <TextView

31 android:id="@+id/titleTextView"

32 android:layout_width="wrap_content"

33 android:layout_height="wrap_content"

34 android:background="@color/titleBackground"

35 android:gravity="fill_horizontal"

36 android:padding="@dimen/stdTitlePadding"

37 android:text="@string/txtTitle"

38 android:textColor="@android:color/holo_blue_dark"

39 android:textSize="@dimen/stdTitleTextSize"

40 app:fontFamily="serif" />

41 </TableRow>

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" >

47 | Type '</TableRow>' to close the TableRow container

48

49 <TableRow

50 android:layout_width="match_parent"

51 android:layout_height="match_parent" />

52

53 <TableRow

54 android:layout_width="match_parent"

55 android:layout_height="match_parent" />

56 </TableLayout>

57 </LinearLayout>

LinearLayout > TableLayout

Design Text

Sailing Adventures - Kona, Hawaii

Device File Explorer

Source generation ended in 718 ms (32 minutes ago)

47:13 CRLF UTF-8 4 spaces

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project SailingAdventures

Resource Manager

Java MainActivity.java

Preview Nexus_5_Pie 28 AppTheme 23% + -

Palette

activity_main.xml

```
15     app:srcCompat="@drawable/sail" />
16
17 <TableLayout
18     android:id="@+id/tblLayout"
19     android:layout_width="fill_parent"
20     android:layout_height="fill_parent"
21     android:layout_gravity="center_vertical"
22     android:layout_weight="1">
23
24     <TableRow
25         android:id="@+id/tblRow1"
26         android:layout_width="fill_parent"
27         android:layout_height="wrap_content" >
28         <View android:layout_height="@dimen/stdViewHeight" />
29
30         <TextView
31             android:id="@+id/titleTextView"
32             android:layout_width="wrap_content"
33             android:layout_height="wrap_content"
34             android:background="@color/titleBackground"
35             android:gravity="fill_horizontal"
36             android:padding="@dimen/stdTitlePadding"
37             android:text="@string/txtTitle"
38             android:textColor="@android:color/holo_blue_dark"
39             android:textSize="@dimen/stdTitleTextSize"
40             app:fontFamily="serif" />
41     </TableRow>
42
43     <TableRow
44         android:id="@+id/tblRow2"
45         android:layout_width="fill_parent"
46         android:layout_height="wrap_content" >
47     </TableRow>
48
49     <TableRow
50         android:layout_width="match_parent"
51         android:layout_height="match_parent" />
52
53     <TableRow
54         android:layout_width="match_parent"
55         android:layout_height="match_parent" />
56
57 </TableLayout>
58 </LinearLayout>
```

The second TableRow XML element should now look like this

Design Text

LinearLayout > TableLayout

TODO Terminal Build Logcat

Source generation ended in 718 ms (32 minutes ago)

47:20 CRLF 4 spaces

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project SailingAdventures

Android app manifests AndroidManifest.xml java edu.udayton.sailingadventures MainActivity generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

Resource Manager

activity_main.xml x MainActivity.java x Preview

15 app:srcCompat="@drawable/sail" />

16

17 <TableLayout

18 android:id="@+id/tblLayout"

19 android:layout_width="fill_parent"

20 android:layout_height="fill_parent"

21 android:layout_gravity="center_vertical"

22 android:layout_weight="1">

23

24 <TableRow

25 android:id="@+id/tblRow1"

26 android:layout_width="fill_parent"

27 android:layout_height="wrap_content" >

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30 <TextView

31 android:id="@+id/titleTextView"

32 android:layout_width="wrap_content"

33 android:layout_height="wrap_content"

34 android:background="@color/titleBackground"

35 android:gravity="fill_horizontal"

36 android:padding="@dimen/stdTitlePadding"

37 android:text="@string/txtTitle"

38 android:textColor="@android:color/holo_blue_dark"

39 android:textSize="@dimen/stdTitleTextSize"

40 app:fontFamily="serif" />

41 </TableRow>

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" > | [] Again, place the cursor and the end of this line and hit the Enter key

47 </TableRow>

48

49 <TableRow

50 android:layout_width="match_parent"

51 android:layout_height="match_parent" />

52

53 <TableRow

54 android:layout_width="match_parent"

55 android:layout_height="match_parent" />

56 </TableLayout>

57 </LinearLayout>

LinearLayout > TableLayout > TableRow

Design Text

Nexus_5_Pie 28 AppTheme 23% Preview

Sailing Adventures - Kona, Hawaii

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (32 minutes ago) 46:51 CRLF UTF-8 4 spaces

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

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

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

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

activity_main.xml x MainActivity.java x Preview

15 app:srcCompat="@drawable/sail" />

16

17 <TableLayout
18 android:id="@+id/tblLayout"
19 android:layout_width="fill_parent"
20 android:layout_height="fill_parent"
21 android:layout_gravity="center_vertical"
22 android:layout_weight="1">

23

24 <TableRow
25 android:id="@+id/tblRow1"
26 android:layout_width="fill_parent"
27 android:layout_height="wrap_content" >
28 <View android:layout_height="@dimen/stdViewHeight" />

29

30 <TextView
31 android:id="@+id/titleTextView"
32 android:layout_width="wrap_content"
33 android:layout_height="wrap_content"
34 android:background="@color/titleBackground"
35 android:gravity="fill_horizontal"
36 android:padding="@dimen/stdTitlePadding"
37 android:text="@string/txtTitle"
38 android:textColor="@android:color/holo_blue_dark"
39 android:textSize="@dimen/stdTitleTextSize"
40 app:fontFamily="serif" />

41 </TableRow>

42

43 <TableRow
44 android:id="@+id/tblRow2"
45 android:layout_width="fill_parent"
46 android:layout_height="wrap_content" >
47 <View android:layout_height="@dimen/stdViewHeight" />

48 </TableRow>

49

50 <TableRow
51 android:layout_width="match_parent"
52 android:layout_height="match_parent" />

53

54 <TableRow
55 android:layout_width="match_parent"
56 android:layout_height="match_parent" />

57 </TableLayout>

58 </LinearLayout>

LinearLayout > TableLayout > TableRow

Design Text

Preview: Nexus_5_Pie 28 AppTheme 23% 23%

Add this XML code for a new View element inside the second TableRow

We have to add this View element in text mode, since it is not possible to easily add it in design mode

Device File Explorer

Source generation ended in 718 ms (32 minutes ago) 47:66 CRLF 4 spaces

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project SailingAdventures

Resource Manager

Android app manifests AndroidManifest.xml java edu.udayton.sailingadventures MainActivity generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

2:Structure

3:Favorites Build Variants Layout Captures

activity_main.xml x MainActivity.java x Preview

15 app:srcCompat="@drawable/sail" />

16

17 <TableLayout

18 android:id="@+id/tblLayout"

19 android:layout_width="fill_parent"

20 android:layout_height="fill_parent"

21 android:layout_gravity="center_vertical"

22 android:layout_weight="1">

23

24 <TableRow

25 android:id="@+id/tblRow1"

26 android:layout_width="fill_parent"

27 android:layout_height="wrap_content" >

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30 <TextView

31 android:id="@+id/titleTextView"

32 android:layout_width="wrap_content"

33 android:layout_height="wrap_content"

34 android:background="@color/titleBackground"

35 android:gravity="fill_horizontal"

36 android:padding="@dimen/stdTitlePadding"

37 android:text="@string/txtTitle"

38 android:textColor="@android:color/holo_blue_dark"

39 android:textSize="@dimen/stdTitleTextSize"

40 app:fontFamily="serif" />

41 </TableRow>

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" >

47 <View android:layout_height="@dimen/stdViewHeight" />

48 </TableRow>

49

50 <TableRow

51 android:layout_width="match_parent"

52 android:layout_height="match_parent" />

53

54 <TableRow

55 android:layout_width="match_parent"

56 android:layout_height="match_parent" />

</TableLayout>

LinearLayout

Switch back to the layout's design view

Design Text

Preview

Nexus_5_Pie 28 AppTheme 23% +

Sailing Adventures - Kona, Hawaii

Device File Explorer

Event Log

TODO Terminal Build Logcat

Source generation ended in 718 ms (32 minutes ago) 47:66 CRLF 4 spaces

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow2 TableRow id:tblRow2

Declared Attributes
Layout
Common Attributes
All Attributes

Component Tree

LinearLayout(horizontal)
sailboatImageView
tblLayout
tblRow1
View
titleTextView- "@string...
tblRow2
TableRow
TableRow

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Click to expand the second TableRow in the Component Tree

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (32 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The 'activity_main.xml' layout file is selected. The layout consists of a horizontal `LinearLayout` containing a `sailboatImageView` and a `tblLayout`. The `tblLayout` contains two `TableRow` components. A yellow callout box with an arrow points to the second `TableRow` in the 'Component Tree' list, with the text 'Click to expand the second TableRow in the Component Tree'. The 'Attributes' panel on the right shows the properties for the selected `TableRow` component, specifically `id:tblRow2`. The preview window shows a sailboat icon and the title 'Sailing Adventures - Kona, Hawaii'.

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

Click/drag a TextView from the Palette ...

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - TableRow
 - TableRow

Design Text

tblRow2

id tblRow2

Declared Attributes

Layout

layout_width fill_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

orientation

gravity

All Attributes

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChangi

animationCache

background

baselineAligned

baselineAlignedChil

clickable

clipChildren

clipToPadding

contentDescription

descendantFocusab

divider

dividerPadding

drawingCacheQualit

duplicateParentState

fadeScrollbars

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (33 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab textView2 TextView
id textView2
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Attributes
Ab textView2 TextView
id textView2
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Design Text

Sailing Adventures - Kona, Hawaii

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab textView2- "TextView"
 - TableRow
 - TableRow

... to the View in the Component Tree

Source generation ended in 718 ms (33 minutes ago)

Event Log

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

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

SailingAdventures > 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
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

TextView

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab textView2- "textView2"
 - TableRow
 - TableRow

Select the newly-added TextView in the Component Tree

Design Text

Attributes

Ab textView2

id textView2

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (33 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab textView2 TextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Change the TextView's ID

Sailing Adventures - Kona, Hawaii

TextView

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab textView2- "TextView"
 - TableRow
 - TableRow

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (33 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab descTextView
id descTextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Attributes
Ab descTextView
id descTextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures - Kona, Hawaii

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "Text..."
 - TableRow
 - TableRow

Use the Resource manager to set the description text

Source generation ended in 718 ms (33 minutes ago)

Event Log

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

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

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

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

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

activity_main.xml MainActivity.java

Resources

Add new resource

Name: txtDescription

Default Sailing Adventures located at Kon...

txtDescription Sailing Adventures located at Kon...

txtSailBoat sailboat

txtTitle Sailing Adventures - Kona, Hawaii

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)

fingerprint_icon_content_description Vingerafdrukkoen

EDIT TRANSLATIONS

1. Select the txtDescription string resource

2. Click OK

OK Cancel

Attributes

Ab descTextView TextView

id descTextView

Declared Attributes

Layout

Common Attributes

All Attributes

Attributes

Layout

Common Attributes

All Attributes

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (33 minutes ago)

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

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

SailingAdventures > 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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

Component Tree

LinearLayout(horizontal)
tblLayout
tblRow1
tblRow2
descTextView

Sailing Adventures - Kona, Hawaii

Sailing Adventures

Attributes

Ab descTextView
id descTextView
Declared Attributes
Layout
Common Attributes
text @string/txtDescription
text
contentDescription
textAppearance
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor
textStyle
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Use the Resource manager to set the description text size

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (34 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Android

app

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

Gradle Scripts

2:Structure

Favorites

Build Variants

Layout Captures

Resources

activity_main.xml

MainActivity.java

Attributes

Ab descTextView

id descTextView

Declared Attributes

Layout

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

Common Attributes

- text @string/txtDescription
- text
- contentDescription
- textAppearance
- fontFamily
- typeface
- textSize 14sp
- lineSpacingExtra
- textColor @android:color/secondary
- textStyle B I Tr

All Attributes

- alpha
- autoLink
- autoSizeMaxTextSize
- autoSizeMinTextSize
- autoSizePresetSizes
- autoSizeStepGranularity
- autoSizeTextType
- autoText
- background
- bufferType

28% + A

Add new resource

Name: stdDescTextSize

Default 14sp

1. Select the stdDescTextSize dimension resource

2. Click OK

OK Cancel

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 718 ms (34 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The 'Resources' dialog is displayed, showing a list of dimension resources. The row 'stdDescTextSize' is selected, highlighted with a blue background. A yellow arrow points from the text '1. Select the stdDescTextSize dimension resource' to this row. A yellow box with the text '2. Click OK' and an arrow pointing to the 'OK' button is overlaid on the bottom right of the dialog. The right side of the screen shows the XML editor for 'activity_main.xml' with the 'descTextView' element selected, displaying its attributes like 'text' set to '@string/txtDescription'. The bottom of the screen shows the standard Android Studio navigation bar with tabs for TODO, Terminal, Build, Logcat, and Event Log.

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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
Generated Java
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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@string..."

Use the Resource manager to set the description text color to black

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (34 minutes ago)

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

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

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

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Layouts

1:Project

Android

app

manifests

AndroidManifest.xml

java

edu.udayton.sailingadventures

MainActivity

edu.udayton.sailingadventures (androidTest)

edu.udayton.sailingadventures (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

Resources

activity_main.xml

MainActivity.java

28%

Add new resource

Attributes

Ab descTextView

id descTextView

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDescription

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize dimen/stdDescTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Gradle

Device File Explorer

Expand the android color resources

No Preview

OK Cancel

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (34 minutes ago)

Event Log

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

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

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

1: Project

Resource Manager

2: Structure

3: Favorites

Build Variants

Layout Captures

File

Activity Main XML

Main Activity Java

Resources

Add new resource

Name: black

Default

Project

colorAccent

colorPrimary

colorPrimaryDark

titleBackground

android

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

1. Select the black system color

@android:color/black
= #ff000000

2. Click OK

OK Cancel

Attributes

Ab descTextView

id descTextView

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDescription

text

contentDescription

textAppearance

fontFamily

typeface

textSize dimen/stdDescTextSize

lineSpacingExtra

textColor @android:color/secondary_text

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Gradle

Device File Explorer

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (34 minutes ago)

Event Log

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

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

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

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

activity_main.xml > MainActivity.java

Palette Attributes

Common Ab TextView

Text Ab descTextView

Buttons Button

Widgets ImageView

Layouts RecyclerView

Containers <> <fragment>

Google ScrollView

Legacy Switch

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

Expand the padding attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

tblLayout

tblRow1

View

titleTextView- "@string..."

tblRow2

View

descTextView- "@string..."

TableRow

TableRow

Component Tree

Linearlayout(horizontal)

Sailing Adventures - Kona, Hawaii

Sailing Adventures

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (34 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

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

Ab descTextView
onClick
overScrollMode
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateimeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollLY
scrollbarAlwaysDraw
scrollbarDefaultDela 400
scrollbarFadeDuratio 250
scrollbarSize 4dp
scrollbarStyle
scrollbarThumbHoriz @android:drawable(scroll
scrollbarThumbVerti @android:drawable(scroll
scrollbarTrackHorizo @null
scrollbarTrackVertica @android:drawable/confi
scrollbars

Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

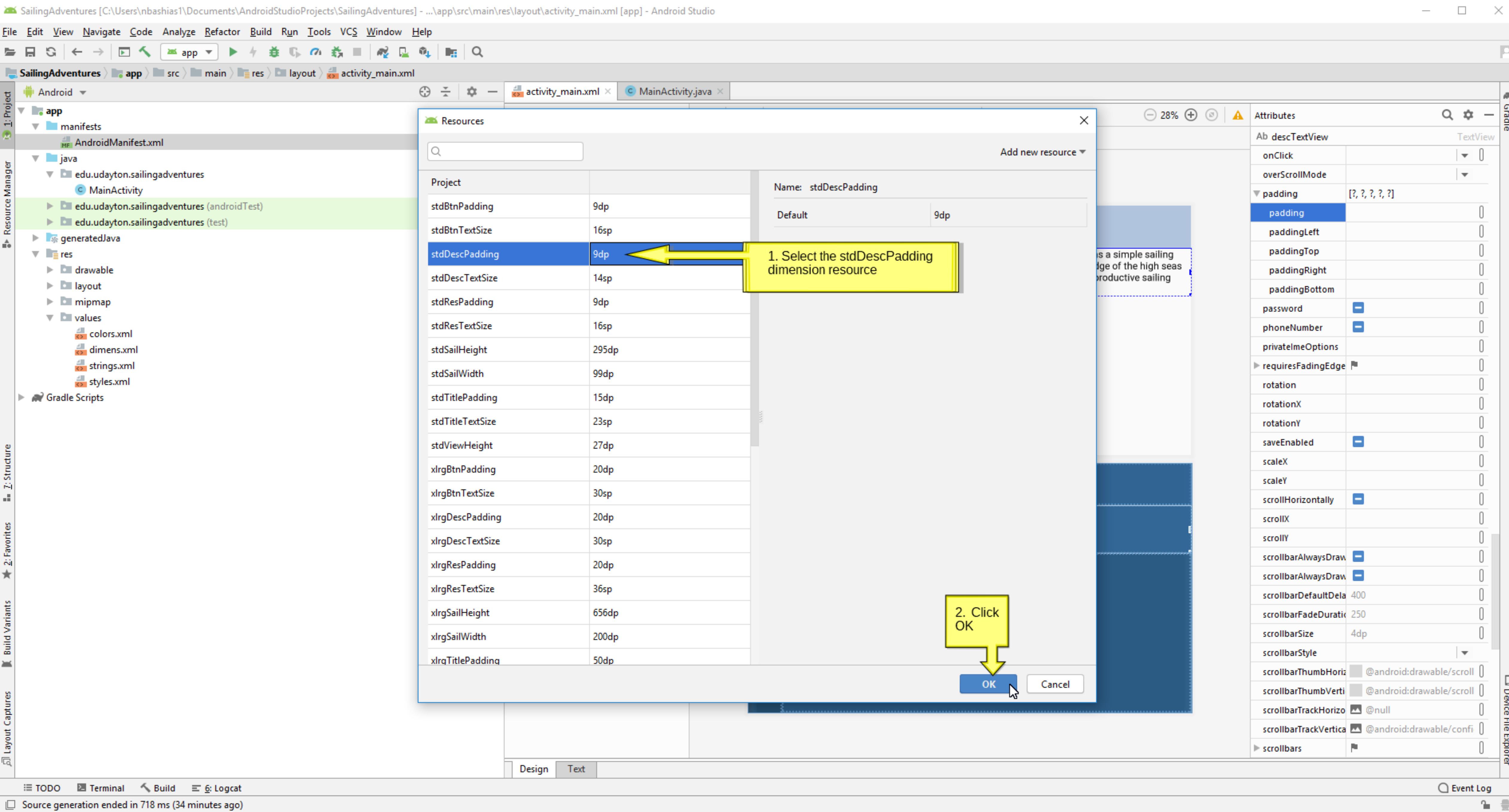
SailboatImage

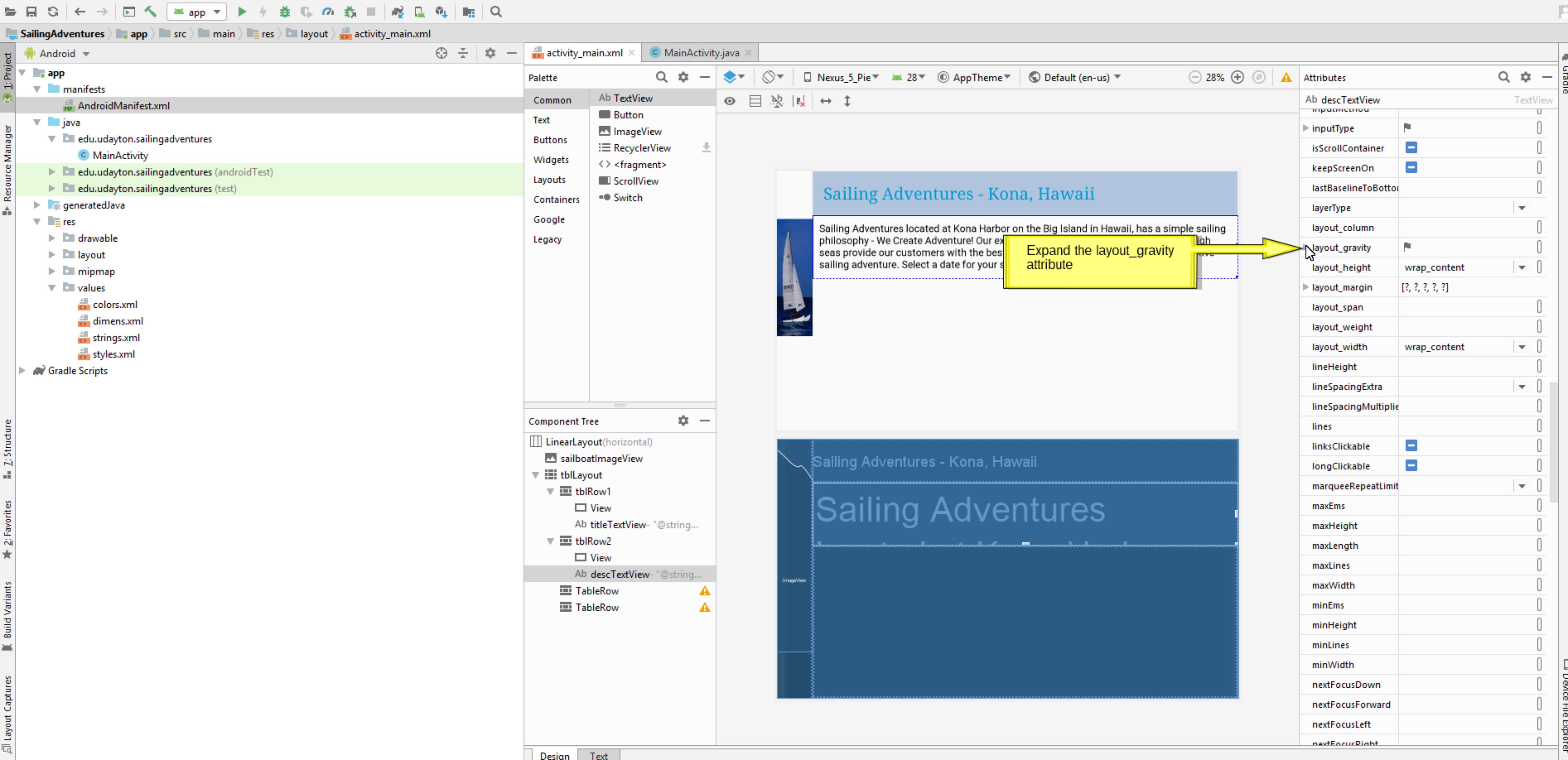
Component Tree

LinearLayout(horizontal)
sailboatImage
tblLayout
tblRow1
View
Ab titleTextView- "@string..."
tblRow2
View
Ab descTextView- "@string..."
TableRow
TableRow

Design Text

Use the Resource manager to set padding on all sides of the TextView





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

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

SailingAdventures app src main res layout activity_main.xml

1:Project Resource Manager

Android

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

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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

tblLayout

tblRow1

View

Ab titleTextView- "@string..."

tblRow2

View

Ab descTextView- "@str..."

TableRow

TableRow

Component Tree

LinearLayout(horizontal)

Sailing Adventures - Kona, Hawaii

Sailing Adventures

Set the layout_gravity to left

Attributes

Ab descTextView

inputType

isScrollContainer

keepScreenOn

lastBaselineToBottom

layerType

layout_column

layout_gravity

bottom

clip_horizontal

center

clip_vertical

start

right

center_horizontal

fill

fill_horizontal

top

left true

center_vertical

fill_vertical

layout_weight

layout_width wrap_content

lineHeight

lineSpacingExtra

lineSpacingMultiple

lines

linksClickable

longClickable

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (35 minutes ago)

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Sailboat Image

Sailing Adventures - Kona, Hawaii

Sailing Adventures

In the Component Tree, select the third TableRow for customization

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
 - tblLayout
 - tblRow1
 - View
 - Ab titleTextview- "@string..."
 - tblRow2
 - View
 - Ab descTextview- "@str..."
 - TableRow
 - TableRow

Attributes

<unnamed>	TableRow
rotationX	
rotationY	
saveEnabled	[]
scaleX	
scaleY	
scrollX	
scrollY	
scrollbarAlwaysDraw	[]
scrollbarAlwaysDraw	[]
scrollbarDefaultDela	400
scrollbarFadeDuratio	250
scrollbarSize	4dp
scrollbarStyle	
scrollbarThumbHoriz	@android:drawable(scroll)
scrollbarThumbVerti	@android:drawable(scroll)
scrollbarTrackHorizo	@null
scrollbarTrackVertica	@android:drawable/confi
scrollbars	
showDividers	
soundEffectsEnable	[]
splitMotionEvents	[]
style	
tag	
targetApi	
theme	
transformPivotX	
transformPivotY	
translationX	
translationY	
verticalScrollbarPosi	
visibility	
weightSum	

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

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

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

1:Project
Resource Manager
Gradle Scripts
2:Structure
Favorites
Build Variants
Layout Captures
Page Header

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
TableRow <unnamed>
Change the TableRow's ID
Declared Attributes
Layout
layout_width match_parent
layout_height match_parent
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.



Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..."
 - TableRow
 - TableRow
 - TableRow

Sailing Adventures - Kona, Hawaii

Sailing Adventures

Source generation ended in 718 ms (36 minutes ago)

Event Log

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow3
id:tblRow3
Declared Attributes
Layout
layout_width: fill_parent
layout_height: match_parent
layout_weight:
visibility:
visibility:
Common Attributes
orientation:
gravity:
All Attributes
addStatesFromChild:
alpha:
alwaysDrawnWithCa:
animateLayoutChang:
animationCache:
background:
baselineAligned:
baselineAlignedChil:
clickable:
clipChildren:
clipToPadding:
contentDescription:
descendantFocusab:
divider:
dividerPadding:
drawingCacheQualit:
duplicateParentState:
fadeScrollbars:
Device File Explorer

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii. Our philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - TableRow A

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (36 minutes ago)

A yellow callout box with an arrow points from the text "Change the layout_width by typing 'fill_parent' as its value" to the "layout_width" field in the Attributes panel.

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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
tblRow3 id tblRow3 Declared Attributes Layout
layout_width fill_parent
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..."
 - tblRow3
 - TableRow

Use the pulldown menu ...

Source generation ended in 718 ms (36 minutes ago)

Event Log

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow3
id: tblRow3
Declared Attributes
Layout
layout_width: fill_parent
layout_height: match_parent
layout_weight: match_parent
visibility: wrap_content
Common Attributes
orientation: gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChang
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, seas provide our customers with the best chance of sailing adventure. Select a date for your sailing day.

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..."
 - tblRow3
 - TableRow

... to change the layout_height to 'wrap_content'

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (36 minutes ago)

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

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..."
 - tblRow3
 - TableRow

Switch to the layout's text view

Design Text

Attributes

tblRow3
id: tblRow3
Declared Attributes
Layout
layout_width: fill_parent
layout_height: wrap_content
layout_weight:
visibility:
visibility:
Common Attributes
orientation:
gravity:
All Attributes
addStatesFromChild:
alpha:
alwaysDrawnWithCa:
animateLayoutChangi:
animationCache:
background:
baselineAligned:
baselineAlignedChil:
clickable:
clipChildren:
clipToPadding:
contentDescription:
descendantFocusab:
divider:
dividerPadding:
drawingCacheQualit:
duplicateParentState:
fadeScrollbars:

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (36 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project SailingAdventures app manifests AndroidManifest.xml java edu.udayton.sailingadventures MainActivity generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

activity_main.xml x MainActivity.java x Preview Nexus_5_Pie 28 AppTheme 23% + !

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Text

Design

LinearLayout > TableLayout > TableRow

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30 <TextView

31 android:id="@+id/titleTextView"

32 android:layout_width="wrap_content"

33 android:layout_height="wrap_content"

34 android:background="@color/titleBackground"

35 android:gravity="fill_horizontal"

36 android:padding="@dimen/stdTitlePadding"

37 android:text="@string/txtTitle"

38 android:textColor="@android:color/holo_blue_dark"

39 android:textSize="@dimen/stdTitleTextSize"

40 app:fontFamily="serif" />

41 </TableRow>

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" >

47 <View android:layout_height="@dimen/stdViewHeight" />

48

49 <TextView

50 android:id="@+id/descTextView"

51 android:layout_width="wrap_content"

52 android:layout_height="wrap_content"

53 android:layout_gravity="left"

54 android:padding="@dimen/stdDescPadding"

55 android:text="@string/txtDescription"

56 android:textColor="@android:color/black"

57 android:textSize="@dimen/stdDescTextSize" />

58 </TableRow>

59

60 <TableRow

61 android:id="@+id/tblRow3"

62 android:layout_width="fill_parent"

63 android:layout_height="wrap_content" >

64 <TableLayout

65 android:layout_width="match_parent"

66 android:layout_height="wrap_content" >

67 </TableLayout>

68 </LinearLayout>

69 </LinearLayout>

Carefully delete this '/' just before the '}' on this line

We now need to change the third TableRow's XML tag from an empty tag to a container tag, so we can add the View element (and then add a TextView to the View in design view)

1 char 63:51 CRLF 4 spaces

Source generation ended in 718 ms (36 minutes ago)

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

Android

Project

Resource Manager

1: Project

2: Favorites

3: Structure

4: Layout Captures

5: Build Variants

6: Logcat

7: TODO

8: Terminal

9: Build

10: Logcat

11: Design

12: Text

13: Preview

14: Palette

15: Gradle

16: Preview

activity_main.xml x MainActivity.java x

```
<View android:layout_height="@dimen/stdViewHeight" />

<TableRow
    android:id="@+id/tblRow1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/titleBackground"
    android:gravity="fill_horizontal"
    android:padding="@dimen/stdTitlePadding"
    android:text="@string/txtTitle"
    android:textColor="@android:color/holo_blue_dark"
    android:textSize="@dimen/stdTitleTextSize"
    app:fontFamily="serif" />

<TableRow
    android:id="@+id/tblRow2"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
    <View android:layout_height="@dimen/stdViewHeight" />

    <TextView
        android:id="@+id/descTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="left"
        android:padding="@dimen/stdDescPadding"
        android:text="@string/txtDescription"
        android:textColor="@android:color/black"
        android:textSize="@dimen/stdDescTextSize" />

<TableRow
    android:id="@+id/tblRow3"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >

    <TableLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent" />

</TableLayout>
</LinearLayout>
```

Preview

Nexus_5_Pie 28 AppTheme 23% + -

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Place the cursor at the end of this line, and hit the Enter key

LinearLayout > TableLayout

Element TableRow is not closed

63:51 CRLF 4 spaces

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Gradle Scripts

2:Structure

2:Favorites

Build Variants

Layout Captures

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity

edu.udayton.sailingadventures (androidTest)

edu.udayton.sailingadventures (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

activity_main.xml

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30

31 <TextView

32 android:id="@+id/titleTextView"

33 android:layout_width="wrap_content"

34 android:layout_height="wrap_content"

35 android:background="@color/titleBackground"

36 android:gravity="fill_horizontal"

37 android:padding="@dimen/stdTitlePadding"

38 android:text="@string/txtTitle"

39 android:textColor="@android:color/holo_blue_dark"

40 android:textSize="@dimen/stdTitleTextSize"

41 app:fontFamily="serif" />

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" >

47 <View android:layout_height="@dimen/stdViewHeight" />

48

49 <TextView

50 android:id="@+id/descTextView"

51 android:layout_width="wrap_content"

52 android:layout_height="wrap_content"

53 android:layout_gravity="left"

54 android:padding="@dimen/stdDescPadding"

55 android:text="@string/txtDescription"

56 android:textColor="@android:color/black"

57 android:textSize="@dimen/stdDescTextSize" />

58

59

60 <TableRow

61 android:id="@+id/tblRow3"

62 android:layout_width="fill_parent"

63 android:layout_height="wrap_content" >

64 <TableLayout>

65 android:layout_width="match_parent"

66 android:layout_height="match_parent" />

67 </TableLayout>

68

69 </LinearLayout>

70

Preview

Nexus_5_Pie 28 AppTheme 23% + -

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.



Type '</TableRow>' to close the TableRow container

LinearLayout > TableLayout

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (36 minutes ago)

64:13 CRLF 4 spaces

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

activity_main.xml x MainActivity.java x Preview

Android

app manifests AndroidManifest.xml java edu.udayton.sailingadventures MainActivity generatedJava res drawable layout mipmap values colors.xml dimens.xml strings.xml styles.xml Gradle Scripts

2:Structure

3:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (36 minutes ago) 64:20 CRLF 4 spaces

activity_main.xml

```
<View android:layout_height="@dimen/stdViewHeight" />

<TableRow
    android:id="@+id/tblRow2"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
    <View android:layout_height="@dimen/stdViewHeight" />

    <TextView
        android:id="@+id/descTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="left"
        android:padding="@dimen/stdDescPadding"
        android:text="@string/txtDescription"
        android:textColor="@android:color/black"
        android:textSize="@dimen/stdDescTextSize" />
</TableRow>

    <TableRow
        android:id="@+id/tblRow3"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content" >
</TableRow>

    <TableRow
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</TableLayout>
</LinearLayout>
```

Preview

Nexus_5_Pie 28 AppTheme 23% + -

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

The third TableRow XML element should now look like this

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

MainActivity

edu.udayton.sailingadventures

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30 <TextView

31 android:id="@+id/titleTextView"

32 android:layout_width="wrap_content"

33 android:layout_height="wrap_content"

34 android:background="@color/titleBackground"

35 android:gravity="fill_horizontal"

36 android:padding="@dimen/stdTitlePadding"

37 android:text="@string/txtTitle"

38 android:textColor="@android:color/holo_blue_dark"

39 android:textSize="@dimen/stdTitleTextSize"

40 app:fontFamily="serif" />

41 </TableRow>

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" >

47 <View android:layout_height="@dimen/stdViewHeight" />

48

49 <TextView

50 android:id="@+id/descTextView"

51 android:layout_width="wrap_content"

52 android:layout_height="wrap_content"

53 android:layout_gravity="left"

54 android:padding="@dimen/stdDescPadding"

55 android:text="@string/txtDescription"

56 android:textColor="@android:color/black"

57 android:textSize="@dimen/stdDescTextSize" />

58 </TableRow>

59

60 <TableRow

61 android:id="@+id/tblRow3"

62 android:layout_width="fill_parent"

63 android:layout_height="wrap_content" >]

64 </TableRow>

65

66 <TableRow

67 android:layout_width="match_parent"

68 android:layout_height="match_parent" />

69 </TableLayout>

70 </LinearLayout>

LinearLayout > TableLayout > TableRow

Design Text

Nexus_5_Pie 28 AppTheme 23% Preview

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.



Again, place the cursor and the end of this line and hit the Enter key

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

activity_main.xml MainActivity.java Preview

AndroidManifest.xml

Java edu.udayton.sailingadventures MainActivity

generatedJava

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

Gradle Scripts

2:Structure

2:Favorites

Build Variants

Layout Captures

Linear Layout > Table Layout > Table Row

Design Text

Preview: Nexus_5_Pie 28 AppTheme 23%

<View android:layout_height="@dimen/stdViewHeight" />

<TableRow>

<TextView android:id="@+id/titleTextView" android:layout_width="wrap_content" android:layout_height="wrap_content" android:background="@color/titleBackground" android:gravity="fill_horizontal" android:padding="@dimen/stdTitlePadding" android:text="@string/txtTitle" android:textColor="@android:color/holo_blue_dark" android:textSize="@dimen/stdTitleTextSize" app:fontFamily="serif" />

<Table Row>

<TextView android:id="@+id/tblRow2" android:layout_width="fill_parent" android:layout_height="wrap_content" >

<View android:layout_height="@dimen/stdViewHeight" />

<TableRow>

<TextView android:id="@+id/descTextView" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_gravity="left" android:padding="@dimen/stdDescPadding" android:text="@string/txtDescription" android:textColor="@android:color/black" android:textSize="@dimen/stdDescTextSize" />

<Table Row>

<View android:layout_height="@dimen/stdViewHeight" />

<Table Row>

<Table Layout>

<Linear Layout>

Add this XML code for a new View element inside the third TableRow

We have to add this View element in text mode, since it is not possible to easily add it in design mode

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Device File Explorer

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

activity_main.xml x MainActivity.java x Preview

Android

app

manifests

AndroidManifest.xml

java

edu.udayton.sailingadventures

MainActivity

edu.udayton.sailingadventures (androidTest)

edu.udayton.sailingadventures (test)

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

activity_main.xml

28 <View android:layout_height="@dimen/stdViewHeight" />

29

30

31 <TextView

32 android:id="@+id/titleTextView"

33 android:layout_width="wrap_content"

34 android:layout_height="wrap_content"

35 android:background="@color/titleBackground"

36 android:gravity="fill_horizontal"

37 android:padding="@dimen/stdTitlePadding"

38 android:text="@string/txtTitle"

39 android:textColor="@android:color/holo_blue_dark"

40 android:textSize="@dimen/stdTitleTextSize"

41 app:fontFamily="serif" />

42

43 <TableRow

44 android:id="@+id/tblRow2"

45 android:layout_width="fill_parent"

46 android:layout_height="wrap_content" >

47 <View android:layout_height="@dimen/stdViewHeight" />

48

49 <TextView

50 android:id="@+id/descTextView"

51 android:layout_width="wrap_content"

52 android:layout_height="wrap_content"

53 android:layout_gravity="left"

54 android:padding="@dimen/stdDescPadding"

55 android:text="@string/txtDescription"

56 android:textColor="@android:color/black"

57 android:textSize="@dimen/stdDescTextSize" />

58

59 <TableRow

60 android:id="@+id/tblRow3"

61 android:layout_width="fill_parent"

62 android:layout_height="wrap_content" >

63 <View android:layout_height="@dimen/stdViewHeight" />

64

65 </TableRow>

66

67

68 <TableLayout>

</TableLayout>

<nearLayout>

Switch back to the layout's design view

Design Text

Nexus_5_Pie 28 AppTheme 23% Preview

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 718 ms (36 minutes ago) 64:66 CRLF UTF-8 4 spaces

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

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..."
 - tblRow3
 - TableRow

Sailing Adventures - Kona, Hawaii

Sailing Adventures

Attributes

tblRow3
id: tblRow3
Declared Attributes
Layout
layout_width: fill_parent
layout_height: wrap_content
layout_weight:
visibility:
visibility:
Common Attributes
orientation:
gravity:
All Attributes
addStatesFromChild:
alpha:
alwaysDrawnWithCa:
animateLayoutChangi:
animationCache:
background:
baselineAligned:
baselineAlignedChil:
clickable:
clipChildren:
clipToPadding:
contentDescription:
descendantFocusab:
divider:
dividerPadding:
drawingCacheQualit:
duplicateParentState:
fadeScrollbars:

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (36 minutes ago)

Click to expand the third TableRow in the Component Tree

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

Favorites

Build Variants

Layout Captures

Page Header

Activity Main XML

Main Activity Java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Click/drag a Button from the Palette ...

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Sailboat Image View

Component Tree

LinearLayout(horizontal)

- sailboatImage View

tblLayout

- tblRow1
- View
- titleTextView- "@string..."

- tblRow2
- View
- descTextView- "@str..."

- tblRow3
- View
- TableRow

No component selected.

Select a component in the Component Tree or on the Design Surface.

Design Text

Device File Explorer

Event Log

Source generation ended in 718 ms (37 minutes ago)

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The left sidebar displays the project structure, including the 'app' module with its manifest, Java files (MainActivity), and resource folders (drawable, layout, mipmap, values). The 'res/layout/activity_main.xml' file is currently selected. The main workspace shows the XML code at the top and the corresponding UI design below. In the palette on the left, the 'Buttons' category is selected, and a yellow callout box highlights the 'Button' item with the instruction 'Click/drag a Button from the Palette ...'. The design surface shows a title bar with 'Sailing Adventures - Kona, Hawaii' and a main content area with descriptive text and a sailboat image. The component tree on the left lists the layout's structure, including a LinearLayout containing a sailboatImage View and a tblLayout with three rows (tblRow1, tblRow2, tblRow3) each containing a View and a TextView. The status bar at the bottom indicates that source generation ended 718 ms (37 minutes ago).

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

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

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

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

Android
Manifests
Java
edu.udayton.sailingadventures
MainActivity
Generated Java
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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
button
id button
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 Button
text
contentDescription
textAppearance @android:style/TextAp
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/text_col
textStyle B I Tr
All Attributes
alpha
autoLink
autoText
background @android:drawable/btn_c
bufferType
capitalize
clickable true
contentDescription

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

BUTTON

SailboatImageview

tblLayout
tblRow1
View
Ab titleTextView- "@string...
tblRow2
View
Ab descTextView- "@str...
tblRow3
View
button Button
TableRow

Sailing Adventures - Kona, Hawaii

Sailing Adventures

BUTTON

Imageview

... to the View in the Component Tree

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (38 minutes ago)

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

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

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

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

activity_main.xml x MainActivity.java x

Palette Attributes

Common: Ab TextView, Button, ImageView, RecyclerView, <fragment>, ScrollView, Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 20% 22% 24% 26% 28% 30% 32% 34% 36% 38% 40% 42% 44% 46% 48% 50% 52% 54% 56% 58% 60% 62% 64% 66% 68% 70% 72% 74% 76% 78% 80% 82% 84% 86% 88% 90% 92% 94% 96% 98% 100%

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

BUTTON

SailboatImageview

tblLayout

tblRow1

View

Ab titleTextView- "@string..."

tblRow2

View

Ab descTextView- "@str..." A

tblRow3

View

button- "Button" A

TableRow

Sailing Adventures - Kona, Hawaii

Sailing Adventures

BUTTON

Imageview

Select the newly-added Button in the Component Tree

Component Tree

Linearlayout(horizontal)

LinearLayout(horizontal)

tblLayout

tblRow1

View

Ab titleTextView- "@string..."

tblRow2

View

Ab descTextView- "@str..." A

tblRow3

View

button- "Button" A

TableRow

Design Text

Attributes

button

id button

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 Button

text

contentDescription

textAppearance @android:style/TextAp

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/text_col

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background @android:drawable/btn_c

bufferType

capitalize

clickable true

contentDescription

Device File Explorer

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

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

SailingAdventures app src main res layout activity_main.xml

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
button
Change the Button's ID
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 Button
text
contentDescription
textAppearance @android:style/TextAp
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/text_col
textStyle B I Tr
All Attributes
alpha
autoLink
autoText
background @android:drawable/btn_c
bufferType
capitalize
clickable true
contentDescription

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

BUTTON

Sailing Adventures - Kona, Hawaii

Sailing Adventures

BUTTON

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - button- "Button" A
 - TableRow A

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (38 minutes ago)

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

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

SailingAdventures 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

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

btnDate

id btnDate

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 Button

text

contentDescription

textAppearance

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/text_color

textStyle B I Tr

All Attributes

alpha

autoLink

autoText

background @android:drawable/btn_c

bufferType

capitalize

clickable true

contentDescription

Gradle

Component Tree

LinearLayout(horizontal)

sailboatImageView

tblLayout

tblRow1

View

Ab titleTextView- "@string..."

tblRow2

View

Ab descTextView- "@str..."

tblRow3

View

btnDate- "Button"

TableRow

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

BUTTON

Sailing Adventures - Kona, Hawaii

Sailing Adventures

BUTTON

Image

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

Source generation ended in 718 ms (38 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1: Project

Resource Manager

2: Structure

3: Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 718 ms (38 minutes ago)

Activity Main XML Editor

Resources Dialog

Name: btnDate
Default: Select the Date for a Full-Day Sailing...

1. Select the btnDate string resource

2. Click OK

Attributes

btnDate

id: btnDate

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Device File Explorer

The screenshot shows the Android Studio interface with the project 'SailingAdventures' open. The 'activity_main.xml' layout file is being edited. A 'Resources' dialog box is displayed, showing a list of string resources. The resource 'btnDate' is selected, and its value is 'Select the Date for a Full-Day Sailing...'. A yellow callout box with the text '1. Select the btnDate string resource' has an arrow pointing to the selected resource in the list. Another yellow callout box with the text '2. Click OK' has an arrow pointing to the 'OK' button at the bottom right of the dialog. The 'Attributes' tab on the right shows the properties for the 'btnDate' button, including its ID, layout width, height, weight, visibility, style, and text. The text field for 'text' is currently set to 'Button'. The 'Text' tab at the bottom of the dialog shows the raw text 'Button'.

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

SailboatImageview
tblLayout
tblRow1
View
titleTextView- "@string...
tblRow2
View
descTextView- "@str...
tblRow3
View
btnDate
TableRow

Component Tree

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Attributes

btnDate
id btnDate
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/btnDate
text
contentDescription
textAppearance @android:style/TextAp
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/text_colo
textStyle B
All Attributes
alpha
autoLink
autoText
background @android:drawable/btn_c
bufferType
capitalize
clickable true
contentDescription

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

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (38 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1: Project

Resource Manager

2: Structure

3: Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 718 ms (38 minutes ago)

Activity Main XML Editor

Resources Dialog

Attributes Panel

Project Tree:

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

Selected Resource: stdBtnTextSize (16sp)

Attributes:

- btnDate
- id: btnDate
- Declared Attributes:
 - layout_width: wrap_content
 - layout_height: wrap_content
 - layout_weight:
 - visibility:
 - visibility:
- Layout:
 - layout_width: wrap_content
 - layout_height: wrap_content
 - layout_weight:
 - visibility:
- Common Attributes:
 - style: @android:style/Widget
 - onClick:
 - background: @android:drawable/btn_c
 - text: @string/btnDate
 - text:
 - contentDescription:
 - textAppearance: @android:style/TextAp
 - typeface:
 - textSize: 14sp
 - lineSpacingExtra:
 - textColor: @android:color/text_col
 - textStyle: B I Tr
- All Attributes:
 - alpha:
 - autoLink:
 - autoText:
 - background: @android:drawable/btn_c
 - bufferType:
 - capitalize:
 - clickable: true
 - contentDescription:

Instructions:

1. Select the stdBtnTextSize dimension resource
2. Click OK

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

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

SailingAdventures > 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, Button, ImageView, RecyclerView, <fragment>, ScrollView, Switch

Text: Text

Buttons: Button

Widgets: ImageView

Layouts: RecyclerView

Containers: ScrollView

Google: Google

Legacy: Legacy

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..." A
- TableRow A

Nexus_5_Pie 28 AppTheme Default (en-us) 28% + A 28% + A

Expand the padding attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Design Text

Source generation ended in 718 ms (39 minutes ago)

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project Resource Manager

Android

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

Resource Manager

activity_main.xml MainActivity.java

Palette

Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

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

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

SailboatImageview

tblLayout
tblRow1
View
Ab titleTextView- "@string..."
tblRow2
View
Ab descTextView- "@str..."
tblRow3
View
btnDate- "@string/btn..."
TableRow

Component Tree

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Attributes

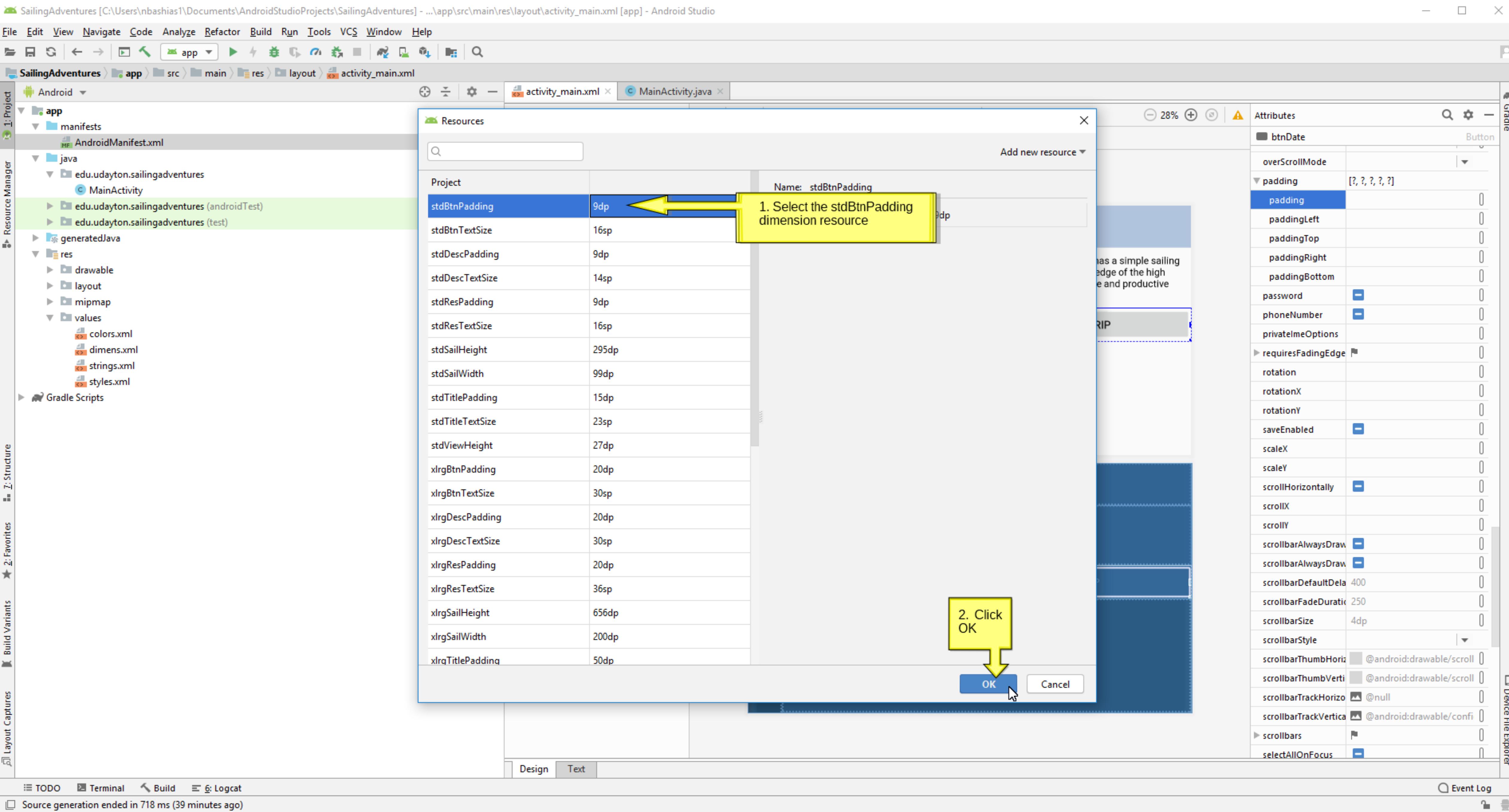
btnDate
overScrollMode
padding
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela 400
scrollbarFadeDuratio 250
scrollbarSize 4dp
scrollbarStyle
scrollbarThumbHoriz @android:drawable(scroll
scrollbarThumbVerti @android:drawable(scroll
scrollbarTrackHorizo @null
scrollbarTrackVertica @android:drawable/confi
scrollbars
selectAllOnFocus

Use the Resource manager to set padding on all sides of the TextView

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (39 minutes ago)



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

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

SailingAdventures app src main res layout activity_main.xml

1:Project
Resource Manager
Gradle Scripts
2:Structure
Favorites
Build Variants
Layout Captures
Page Header

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

activity_main.xml MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

SailboatImageview

tblLayout
tblRow1
View
Ab titleTextView- "@string...
tblRow2
View
Ab descTextView- "@str...
tblRow3
View
btnDate- "@string/btn...
TableRow

Component Tree

Change the textAllCaps attribute's value ...

true

@string/btnDate

@android:color/text_color

@android:color/highlight

@android:color/hint_fore

#D81B60

@android:drawable/text_c

normal

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (39 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 718 ms (39 minutes ago)

Android

app

manifests

AndroidManifest.xml

java

edu.udayton.sailingadventures

MainActivity

edu.udayton.sailingadventures (androidTest)

edu.udayton.sailingadventures (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

Button

ImageView

RecyclerView

<> <fragment>

ScrollView

Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Nexus_5_Pie

28

AppTheme

Default (en-us)

28%

Attributes

btnDate

scrollbarTrackVertical

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

shadowRadius

singleLine

soundEffectsEnabled

style

tag

targetApi

text

false

@string/btnDate

@android:color/text_color

@android:color/highlight

@android:color/hint_foreground

#D81B60

@android:drawable/text_cursor

normal

theme

transformPivotX

transformPivotY

translationX

translationY

typeface

verticalScrollbarPosition

visibility

width

Component Tree

LinearLayout(horizontal)

sailboatImageView

tblLayout

tblRow1

View

Ab titleTextView- "@string..."

tblRow2

View

Ab descTextView- "@str..."

tblRow3

View

btnDate- "@string/btn..."

TableRow

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

... to false so that the Button's label is not shown in all upper-case letters

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Gradle

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Attributes

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28%

TableRow

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDurati

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

showDividers

soundEffectsEnable

splitMotionEvents

style

tag

targetApi

theme

transformPivotX

transformPivotY

translationX

translationY

verticalScrollbarPosi

visibility

weightSum

Component Tree

LinearLayout(horizontal)

sailboatImageView

tblLayout

tblRow1

View

Ab titleTextView- "@string..."

tblRow2

View

Ab descTextView- "@str..." A

tblRow3

View

btnDate- "@string/btn..."

TableRow

In the Component Tree, select the fourth TableRow for customization

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Source generation ended in 718 ms (39 minutes ago)

Event Log

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Change the TableRow's ID

TableRow4

Layout
layout_width match_parent
layout_height match_parent
layout_weight
visibility
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - TableRow A

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (40 minutes ago)

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project SailingAdventures

Resource Manager

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

TableRow id: tblRow4

Declared Attributes

Layout

Change the layout_width by typing 'fill_parent' as its value

fill_parent

layout_height match_parent

layout_weight

visibility

visibility

Common Attributes

orientation

gravity

All Attributes

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChani

animationCache

background

baselineAligned

baselineAlignedChil

clickable

clipChildren

clipToPadding

contentDescription

descendantFocusab

divider

dividerPadding

drawingCacheQualit

duplicateParentState

fadeScrollbars

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Ha philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Source generation ended in 718 ms (40 minutes ago)

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Gradle

Activity Main XML

MainActivity.java

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow4

id tblRow4

Declared Attributes

Layout

layout_width fill_parent

Use the pulldown menu ...

Component Tree

LinearLayout(horizontal)

sailboatImageView

tblLayout

tblRow1

View

titleTextView- "@string..."

tblRow2

View

descTextView- "@strin..." A

tblRow3

View

btnDate- "@string/btn..."

tblRow4

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 718 ms (40 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow4
id:tblRow4
Declared Attributes
Layout
layout_width: fill_parent
layout_height: match_parent
layout_weight: match_parent
visibility
Common Attributes
orientation
gravity
All Attributes
addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChang
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and passion for the seas provide our customers with the best chance of having a great sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

SailboatImageview
tblLayout
tblRow1
View
titleTextView
tblRow2
View
descTextView
tblRow3
View
btnDate
tblRow4

... to change the layout_height to 'wrap_content'

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (40 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Gradle

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Palettes

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

activity_main.xml MainActivity.java

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Sailboat Image View

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4

Switch to the layout's text view

Design Text

Attributes

tblRow4 TableRow

id tblRow4

Declared Attributes

Layout

layout_width fill_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

orientation

gravity

All Attributes

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChangi

animationCache

background

baselineAligned

baselineAlignedChil

clickable

clipChildren

clipToPadding

contentDescription

descendantFocusab

divider

dividerPadding

drawingCacheQualit

duplicateParentState

fadeScrollbars

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 718 ms (40 minutes ago)

Event Log

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

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

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

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

activity_main.xml x MainActivity.java x Preview

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

41 </TableRow>
42
43 <TableRow
44 android:id="@+id/tblRow2"
45 android:layout_width="fill_parent"
46 android:layout_height="wrap_content" >
47 <View android:layout_height="@dimen/stdViewHeight" />
48
49 <TextView
50 android:id="@+id/descTextView"
51 android:layout_width="wrap_content"
52 android:layout_height="wrap_content"
53 android:layout_gravity="left"
54 android:padding="@dimen/stdDescPadding"
55 android:text="@string/txtDescription"
56 android:textColor="@android:color/black"
57 android:textSize="@dimen/stdDescTextSize" />
58 </TableRow>
59
60 <TableRow
61 android:id="@+id/tblRow3"
62 android:layout_width="fill_parent"
63 android:layout_height="wrap_content" >
64 <View android:layout_height="@dimen/stdViewHeight" />
65
66 <Button
67 android:id="@+id/btnDate"
68 android:layout_width="wrap_content"
69 android:layout_height="wrap_content"
70 android:padding="@dimen/stdBtnPadding"
71 android:text="@string/btnDate"
72 android:textAllCaps="false"
73 android:textSize="@dimen/stdBtnTextSize" />
74
75 </TableRow>
76
77 <TableRow
78 android:id="@+id/tblRow4"
79 android:layout_width="fill_parent"
80 android:layout_height="wrap_content" />
81 </TableLayout>
82 </LinearLayout>

Preview
Palette
Nexus_5_Pie 28 AppTheme 23% + Preview

Sailing Adventures - Kona, Hawaii
Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.
Select the Date for a Full-Day Sailing Trip

Carefully delete this '/' just before the '>' on this line
We now need to change the fourth TableRow's XML tag from an empty tag to a container tag, so we can add the View element (and then add a TextView to the View in design view)

LinearLayout > TableLayout > TableRow

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (40 minutes ago)

1 char 80:51 CRLF 4 spaces

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

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

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

1:Project
Resource Manager
2:Structure
Favorites
Build Variants
Layout Captures
Element TableRow is not closed

activity_main.xml x MainActivity.java x Preview

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

41 </TableRow>
42
43 <TableRow
44 android:id="@+id/tblRow2"
45 android:layout_width="fill_parent"
46 android:layout_height="wrap_content" >
47 <View android:layout_height="@dimen/stdViewHeight" />
48
49 <TextView
50 android:id="@+id/descTextView"
51 android:layout_width="wrap_content"
52 android:layout_height="wrap_content"
53 android:layout_gravity="left"
54 android:padding="@dimen/stdDescPadding"
55 android:text="@string/txtDescription"
56 android:textColor="@android:color/black"
57 android:textSize="@dimen/stdDescTextSize" />
58 </TableRow>
59
60 <TableRow
61 android:id="@+id/tblRow3"
62 android:layout_width="fill_parent"
63 android:layout_height="wrap_content" >
64 <View android:layout_height="@dimen/stdViewHeight" />
65
66 <Button
67 android:id="@+id/btnDate"
68 android:layout_width="wrap_content"
69 android:layout_height="wrap_content"
70 android:padding="@dimen/stdBtnPadding"
71 android:text="@string/btnDate"
72 android:textAllCaps="false"
73 android:textSize="@dimen/stdBtnTextSize" />
74 </TableRow>
75
76 <TableRow
77 android:id="@+id/tblRow4"
78 android:layout_width="fill_parent"
79 android:layout_height="wrap_content" >
80 </TableLayout>
81 </LinearLayout>
82

Place the cursor at the end of this line, and hit the Enter key

Nexus_5_Pie 28 AppTheme 23% + Preview

Sailing Adventures - Kona, Hawaii
Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.
Select the Date for a Full-Day Sailing Trip

Design Text

LinearLayout > TableLayout

TODO Terminal Build Logcat Event Log

80:51 CRLF 4 spaces

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

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

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

1:Project

Resource Manager

Preview

Palette

Gradle

Preview

activity_main.xml x MainActivity.java x

41 </TableRow>

42

43 <TableRow android:id="@+id/tblRow2" android:layout_width="fill_parent" android:layout_height="wrap_content" >

44 <View android:layout_height="@dimen/stdViewHeight" />

45

46

47

48

49 <TextView android:id="@+id/descTextView" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_gravity="left" android:padding="@dimen/stdDescPadding" android:text="@string/txtDescription" android:textColor="@android:color/black" android:textSize="@dimen/stdDescTextSize" />

50

51

52

53

54

55

56 </TableRow>

57

58

59

60 <TableRow android:id="@+id/tblRow3" android:layout_width="fill_parent" android:layout_height="wrap_content" >

61 <View android:layout_height="@dimen/stdViewHeight" />

62

63

64

65

66 <Button android:id="@+id/btnDate" android:layout_width="wrap_content" android:layout_height="wrap_content" android:padding="@dimen/stdBtnPadding" android:text="@string/btnDate" android:textAllCaps="false" android:textSize="@dimen/stdBtnTextSize" />

67

68

69

70

71

72

73

74 </TableRow>

75

76

77 <TableRow android:id="@+id/tblRow4" android:layout_width="fill_parent" android:layout_height="wrap_content" >

78

79

80

81 </TableLayout>

82 </LinearLayout>

83 </LinearLayout>

Preview: Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Type '</TableRow>' to close the TableRow container

LinearLayout > TableLayout

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (41 minutes ago)

81:13 CRLF 4 spaces

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Android

app

- manifests
- AndroidManifest.xml
- java

 - edu.udayton.sailingadventures

 - MainActivity

 - generatedJava
 - res

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

Gradle Scripts

2:Structure

2:Favorites

Build Variants

Layout Captures

activity_main.xml x MainActivity.java x

Preview

Nexus_5_Pie 28 AppTheme 23% + -

Palette

Preview

```
</TableRow>
<TableRow
    android:id="@+id/tblRow2"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
    <View android:layout_height="@dimen/stdViewHeight" />

    <TextView
        android:id="@+id/descTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="left"
        android:padding="@dimen/stdDescPadding"
        android:text="@string/txtDescription"
        android:textColor="@android:color/black"
        android:textSize="@dimen/stdDescTextSize" />
</TableRow>

<TableRow
    android:id="@+id/tblRow3"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
    <View android:layout_height="@dimen/stdViewHeight" />

    <Button
        android:id="@+id/btnDate"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="@dimen/stdBtnPadding"
        android:text="@string/btnDate"
        android:textAllCaps="false"
        android:textSize="@dimen/stdBtnTextSize" />
</TableRow>

<TableRow
    android:id="@+id/tblRow4"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
</TableRow>
</TableLayout>
</LinearLayout>
```

The fourth TableRow XML element should now look like this

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip

Select the Date for a Full-Day Sailing Trip

Device File Explorer

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

activity_main.xml x MainActivity.java x Preview

AndroidManifest.xml

Java

edu.udayton.sailingadventures

MainActivity

generatedJava

res

drawable

layout

mipmap

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

Z:Structure

2:Favorites

Build Variants

Layout Captures

LinearLayout > TableLayout > TableRow

Design Text

Preview

Nexus_5_Pie 28 AppTheme 23% +

Again, place the cursor and the end of this line and hit the Enter key

41 </TableRow>

42

43 <TableRow android:id="@+id/tblRow2" android:layout_width="fill_parent" android:layout_height="wrap_content" >

44 <View android:layout_height="@dimen/stdViewHeight" />

45

46

47

48

49 <TextView android:id="@+id/descTextView" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_gravity="left" android:padding="@dimen/stdDescPadding" android:text="@string/txtDescription" android:textColor="@android:color/black" android:textSize="@dimen/stdDescTextSize" />

50

51

52

53

54

55

56 </TableRow>

57

58

59

60 <TableRow android:id="@+id/tblRow3" android:layout_width="fill_parent" android:layout_height="wrap_content" >

61 <View android:layout_height="@dimen/stdViewHeight" />

62

63

64

65

66 <Button android:id="@+id/btnDate" android:layout_width="wrap_content" android:layout_height="wrap_content" android:padding="@dimen/stdBtnPadding" android:text="@string/btnDate" android:textAllCaps="false" android:textSize="@dimen/stdBtnTextSize" />

67

68

69

70

71

72

73

74

75 </TableRow>

76

77

78 <TableRow android:id="@+id/tblRow4" android:layout_width="fill_parent" android:layout_height="wrap_content" >

79 </TableRow>

80 </TableLayout>

81 </LinearLayout>

82

83

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Device File Explorer

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Android

app

- manifests
- AndroidManifest.xml
- java

 - edu.udayton.sailingadventures

 - MainActivity

 - generatedJava
 - res

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

Gradle Scripts

2:Structure

3:Favorites

Build Variants

Layout Captures

activity_main.xml x MainActivity.java x

Preview

Nexus_5_Pie 28 AppTheme 23% +

Palette

Preview

41 </TableRow>

42

43 <TableRow android:id="@+id/tblRow2" android:layout_width="fill_parent" android:layout_height="wrap_content" >

44 <View android:layout_height="@dimen/stdViewHeight" />

45

46

47

48

49 <TextView android:id="@+id/descTextView" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_gravity="left" android:padding="@dimen/stdDescPadding" android:text="@string/txtDescription" android:textColor="@android:color/black" android:textSize="@dimen/stdDescTextSize" />

50

51

52

53

54

55

56 </TableRow>

57

58

59

60 <TableRow android:id="@+id/tblRow3" android:layout_width="fill_parent" android:layout_height="wrap_content" >

61 <View android:layout_height="@dimen/stdViewHeight" />

62

63

64

65

66 <Button android:id="@+id/btnDate" android:layout_width="wrap_content" android:layout_height="wrap_content" android:padding="@dimen/stdBtnPadding" android:text="@string/btnDate" android:textAllCaps="false" android:textSize="@dimen/stdBtnTextSize" />

67

68

69

70

71

72

73

74 </TableRow>

75

76

77 <TableRow android:id="@+id/tblRow4" android:layout_width="fill_parent" android:layout_height="wrap_content" >

78 <View android:layout_height="@dimen/stdViewHeight" />

79 </TableRow>

80 </TableLayout>

81 </LinearLayout>

82

83

84

LinearLayout > TableLayout > TableRow

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip

Select the Date for a Full-Day Sailing Trip

Add this XML code for a new View element inside the fourth TableRow

We have to add this View element in text mode, since it is not possible to easily add it in design mode

81:66 CRLF 4 spaces

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

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

activity_main.xml x MainActivity.java x

Preview

Nexus_5_Pie 28 AppTheme 23% +

Palette

Preview

Switch back to the layout's design view

LinearLayout > TableLayout > TableRow

Design Text

Source generation ended in 718 ms (41 minutes ago)

81:66 CRLF 4 spaces

Project Structure

app

- manifests
- AndroidManifest.xml

java

- edu.udayton.sailingadventures
- MainActivity

generatedJava

res

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

Gradle Scripts

activity_main.xml

```
</TableRow>
<TableRow
    android:id="@+id/tblRow2"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
    <View android:layout_height="@dimen/stdViewHeight" />

    <TextView
        android:id="@+id/descTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="left"
        android:padding="@dimen/stdDescPadding"
        android:text="@string/txtDescription"
        android:textColor="@android:color/black"
        android:textSize="@dimen/stdDescTextSize" />
</TableRow>

<TableRow
    android:id="@+id/tblRow3"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
    <View android:layout_height="@dimen/stdViewHeight" />

    <Button
        android:id="@+id/btnDate"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="@dimen/stdBtnPadding"
        android:text="@string/btnDate"
        android:textAllCaps="false"
        android:textSize="@dimen/stdBtnTextSize" />
</TableRow>

<TableRow
    android:id="@+id/tblRow4"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content" >
    <View android:layout_height="@dimen/stdViewHeight" />
</TableRow>
</TableLayout>
</LinearLayout>
```

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Device File Explorer

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Component Tree

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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

tblRow4 TableRow

id tblRow4

Declared Attributes

Layout

layout_width fill_parent
layout_height wrap_content
layout_weight
visibility
✓ visibility

Common Attributes

orientation
gravity

All Attributes

addStatesFromChild
alpha
alwaysDrawnWithCa
animateLayoutChangi
animationCache
background
baselineAligned
baselineAlignedChil
clickable
clipChildren
clipToPadding
contentDescription
descendantFocusab
divider
dividerPadding
drawingCacheQualit
duplicateParentState
fadeScrollbars

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

SailboatImageview

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Click to expand the fourth TableRow in the Component Tree

Design Text

TODO Terminal Build Logcat

Source generation ended in 718 ms (41 minutes ago)

Event Log

Gradle

Device File Explorer

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

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Click/drag a TextView from the Palette ...

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

SailboatImageview

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Attributes

tblRow4
id:tblRow4
Declared Attributes
Layout
layout_width: fill_parent
layout_height: wrap_content
layout_weight:
visibility:
visibility:
Common Attributes
orientation:
gravity:
All Attributes
addStatesFromChild:
alpha:
alwaysDrawnWithCa:
animateLayoutChang:
animationCache:
background:
baselineAligned:
baselineAlignedChil:
clickable:
clipChildren:
clipToPadding:
contentDescription:
descendantFocusab:
divider:
dividerPadding:
drawingCacheQualit:
duplicateParentState:
fadeScrollbars:

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (41 minutes ago)

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

TextView

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View
 - Ab textView4- "TextV..."

... to the View in the Component Tree

Design Text

Attributes

Ab textView4 TextView

id textView4

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (41 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Gradle

Activity Main XML

MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Ab textView4 TextView

id textView4

Declared Attributes

Layout

layout_width wrap_content

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Component Tree

LinearLayout(horizontal)

sailboatImageView

tblLayout

tblRow1

View

Ab titleTextView- "@string..."

tblRow2

View

Ab descTextView- "@str..." A

tblRow3

View

btnDate- "@string/btn..."

tblRow4

View

Ab textView4

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

TextView

Select the newly-added TextView in the Component Tree

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (41 minutes ago)

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

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

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

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

Android
app
manifests
AndroidManifest.xml
java
edu.udayton.sailingadventures
MainActivity
edu.udayton.sailingadventures (androidTest)
edu.udayton.sailingadventures (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

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes
Ab resultTextView TextView
Declared Attributes
Layout
layout_width wrap_content
layout_height wrap_content
layout_weight
visibility
visibility
Common Attributes
text TextView
text
contentDescription
textAppearance
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr
All Attributes
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

Change the TextView's ID

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View
 - Ab resultTextView- "Tex..." A

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (42 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

Gradle

Android

app

- manifests
- AndroidManifest.xml

java

- edu.udayton.sailingadventures
- MainActivity

edu.udayton.sailingadventures (androidTest)

edu.udayton.sailingadventures (test)

generatedJava

res

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

Gradle Scripts

Structure

Favorites

Build Variants

Layout Captures

activity_main.xml

MainActivity.java

Palette

Common

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

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Ab resTextView

id resTextView

Declared Attributes

Layout

Change the layout_width by typing 'fill_parent' as its value

fill_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Design Text

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii. Our philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

Image

TextView

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View
 - Ab resTextView- "TextVi..." A

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

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

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

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

activity_main.xml > MainActivity.java

Palette
Common
Text
Buttons
Widgets
Layouts
Containers
Google
Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best sailing adventure. Select a date for your sailing trip.

Use the pulldown menu to change the layout_height to 'wrap_content'

Select the Date for a Full-Day Sailing Trip

TextView

Component Tree

- LinearLayout(horizontal)
 - sailboatImageview
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..."
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View
 - Ab resTextView- "TextVi..."

Attributes

Ab resTextView TextView

id resTextView

Declared Attributes

Layout

layout_width fill_parent

layout_height wrap_content

layout_weight match_parent

wrap_content

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Design Text

Page-Footer

Source generation ended in 718 ms (42 minutes ago)

Event Log

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Activity Main XML

Java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View
 - Ab resTextView- "TextVi..." A

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

TextView

Sailing Adventures - Kona, Hawaii

Sailing Adventures

SELECT THE DATE FOR A FULL-DAY SAILING TRIP

TextView

Attributes

Ab resTextView TextView

id resTextView

Declared Attributes

Layout

layout_width fill_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView I

text

contentDescription

textA Clear (delete) the TextView's text style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary_text

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (42 minutes ago)

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

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

SailingAdventures app src main res layout activity_main.xml

1:Project Resource Manager

Android

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

Resource Manager

activity_main.xml MainActivity.java

Palette Attributes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Nexus_5_Pie 28 AppTheme Default (en-us) 28% 28% 28% 28%

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@strin..."
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View
 - Ab resTextView- "TextVi..."

Sailing Adventures - Kona, Hawaii

Sailing Adventures

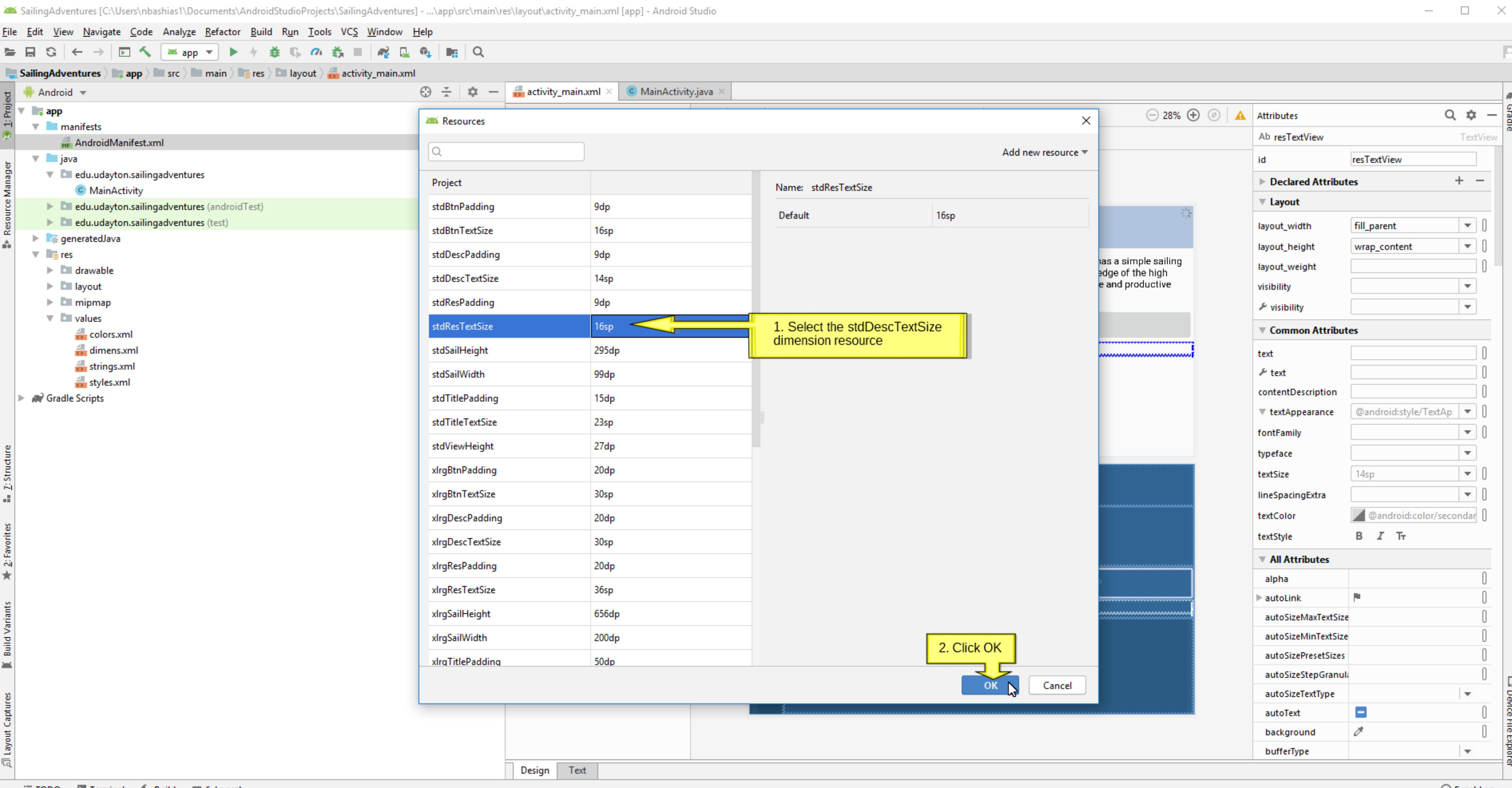
SELECT THE DATE FOR A FULL-DAY SAILING TRIP

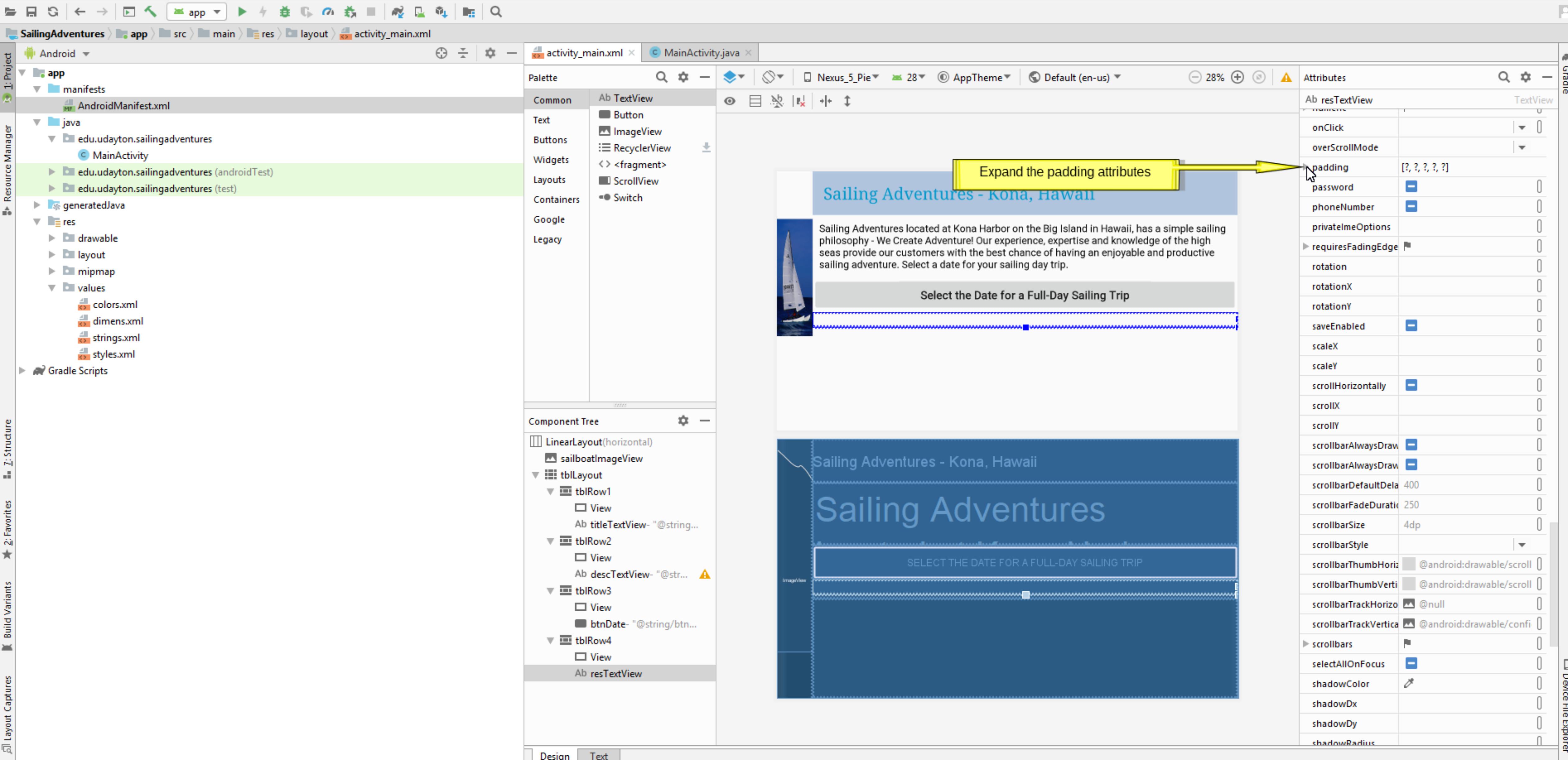
Use the Resource manager to set the output text size

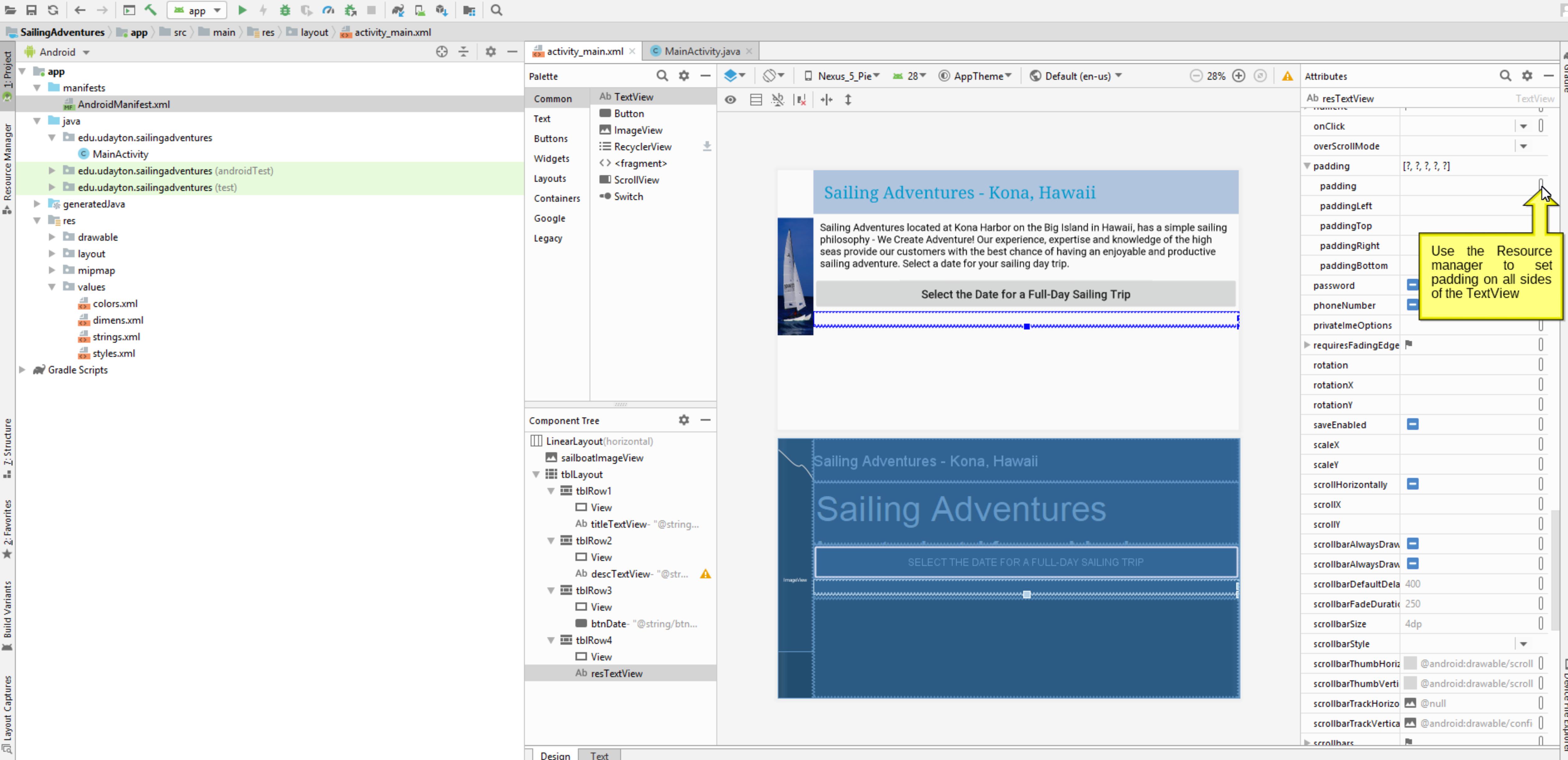
Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (43 minutes ago)







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

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

SailingAdventures app src main res layout activity_main.xml

1: Project

Resource Manager

2: Structure

3: Favorites

Build Variants

Layout Captures

Gradle

Activity Main XML

MainActivity.java

Resources

Add new resource

Name: stdResPadding

Default: 9dp

Project

stdBtnPadding	9dp
stdBtnTextSize	16sp
stdDescPadding	9dp
stdDescTextSize	14sp
stdResPadding	9dp
stdResTextSize	16sp
stdSailHeight	295dp
stdSailWidth	99dp
stdTitlePadding	15dp
stdTitleTextSize	23sp
stdViewHeight	27dp
xlrgBtnPadding	20dp
xlrgBtnTextSize	30sp
xlrgDescPadding	20dp
xlrgDescTextSize	30sp
xlrgResPadding	20dp
xlrgResTextSize	36sp
xlrgSailHeight	656dp
xlrgSailWidth	200dp
xlrgTitlePadding	50dp

Attributes

28% 28%

TextView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollI

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelt

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

1. Select the stdResPadding dimension resource

2. Click OK

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 718 ms (43 minutes ago)

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

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

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

1:Project Resource Manager

Android

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

2:Structure
Favorites

Layout Captures
Build Variants

Component Tree

- LinearLayout(horizontal)
 - sailboatImageView
- tblLayout
 - tblRow1
 - View
 - Ab titleTextView- "@string..."
 - tblRow2
 - View
 - Ab descTextView- "@str..." A
 - tblRow3
 - View
 - btnDate- "@string/btn..."
 - tblRow4
 - View
 - Ab resTextView

Design Text

Nexus_5_Pie 28 AppTheme Default (en-us) 28% Attributes

Sailing Adventures - Kona, Hawaii

Sailing Adventures located at Kona Harbor on the Big Island in Hawaii, has a simple sailing philosophy - We Create Adventure! Our experience, expertise and knowledge of the high seas provide our customers with the best chance of having an enjoyable and productive sailing adventure. Select a date for your sailing day trip.

Select the Date for a Full-Day Sailing Trip

This concludes Part 2 of Lesson 6.

In Part 3, we add the Java code that presents the Date Picker dialog to the user, so that they can choose the date of their sailing adventure. We also test our app's functionality using the emulator with the Nexus 5 system image.

Then, in Part 4, we show how Android Studio implements Responsive Design by easily developing an "extra large" layout, and re-testing our app's functionality using the emulator with the Nexus 10 system image we added in Part 1 of this lesson.

Finally, in Part 5, we add yet another layout for a "large" device, and show responsive design again as we re-test our app's functionality by using the emulator with the Nexus 7 system image added in Part 1 of this lesson.

Source generation ended in 718 ms (44 minutes ago)

Event Log