TASK GUIDE (A1.02)

A. Objectives.
Students know how to configure Android Studio project resources, like string and font.

B. Requirements.
Hardware:
- 2 GB RAM minimum, 8 GB RAM recommended
- 2 GB of available disk space minimum, 4 GB Recommended (500 MB for IDE + 1.5 GB for Android SDK and emulator system image)
- 1280 x 800 minimum screen resolution
- Intel processor with support for Intel VT-x, Intel EM64T (Intel 64), and Execute Disable (XD) Bit functionality Software:
- Microsoft Windows 7/8/10 (32-bit or 64-bit)
- JDK 8
- Android Studio IDE

C.

Resources.
Documents:
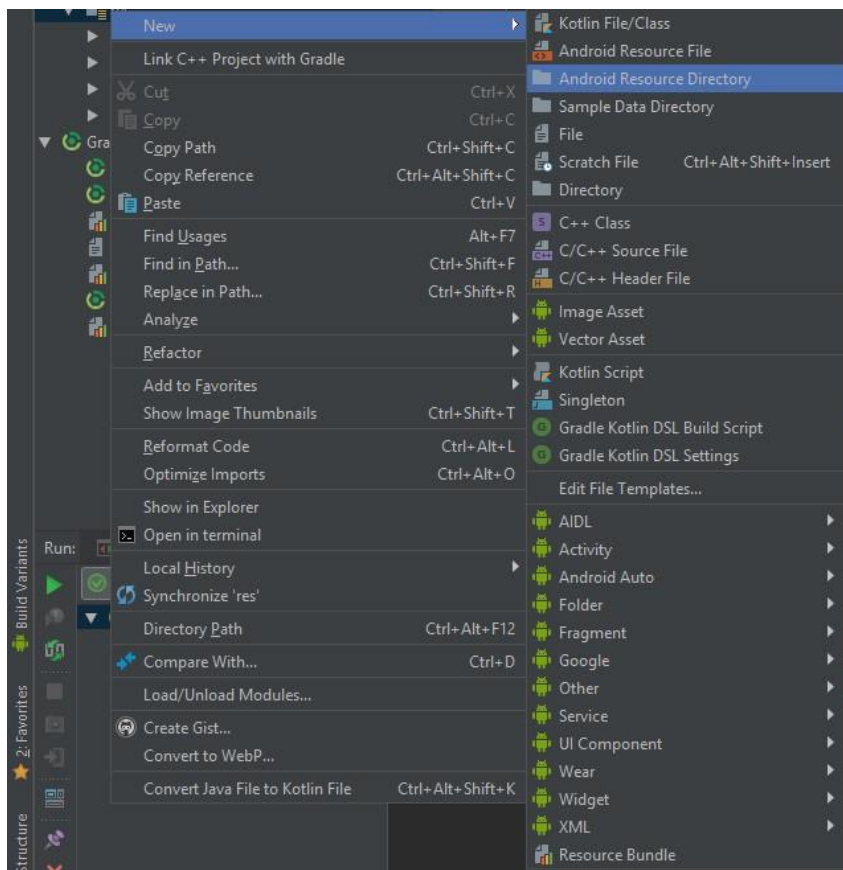- Guide

Supplement files:
- ResourceTest.java

Test code:
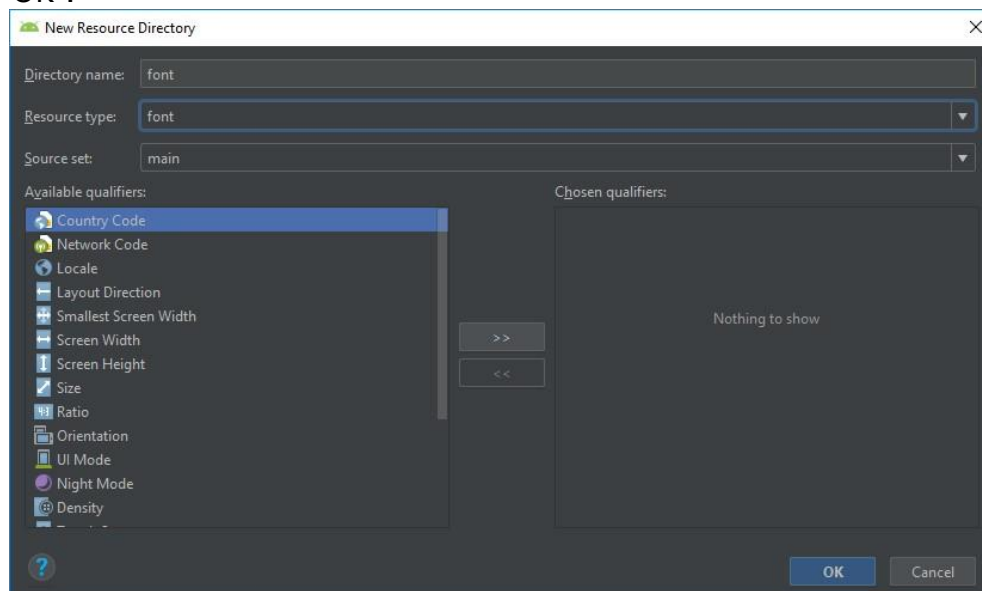- TestA1BasicUIKT021.java

D. Task Description.
Student start to create a project with specified project description and test it.
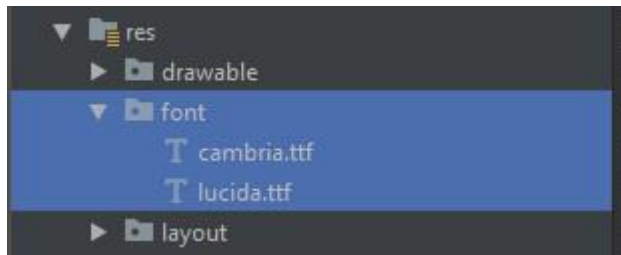
E. Specification.

1. Open BasicApp project that already test passed.

2. Create "font" folder under "res" folder. Right click on the "res" folder and choose "New –Adroid Resource Directory".
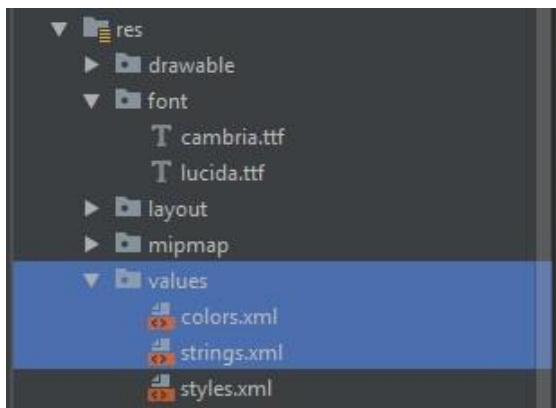
Then show "New Resource Directory", and select Resource type: "font", then Click "OK".

3. Copy file "cambria.ttf" and "lucida.ttf" in Supplement folder to "font" folder that already created.

4. Open "strings.xml" file under "res/values" folder

5. Edit the value of all "string" name as described below.

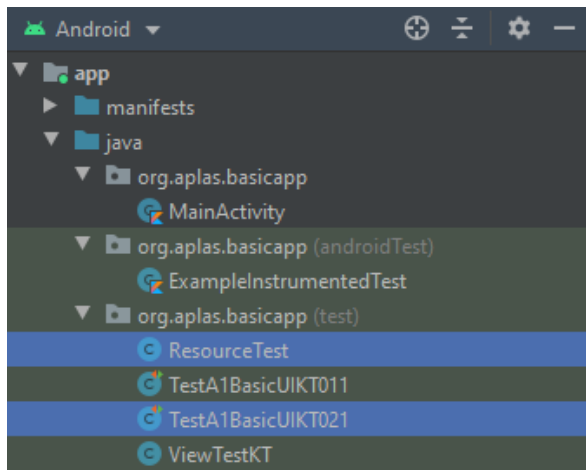   Template: `<string name="string-name">string-value</string>`

name	value
app_name	Unit Converter
tv1Text	Unit Converter
tv2Text	->
btnText	Convert
inputText	0
inputPrompt	Choose
hint	Enter any value
chkRound	Rounded
chkForm	Show Formula
rbDist	Distance
rbTemp	Temperature
rbWeight	Weight

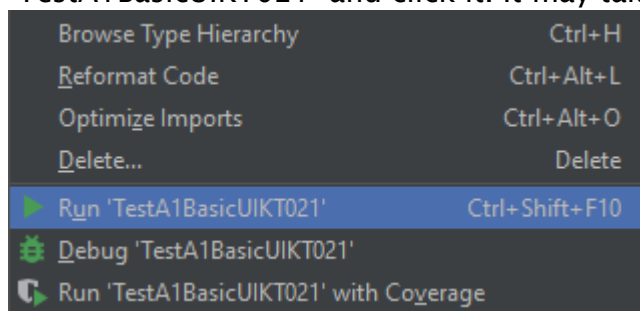6. Open "colors.xml" file under "res/values" folder and edit the value of all "color" name as described below.

   Template: `<color name="color-name">color-value</string>`

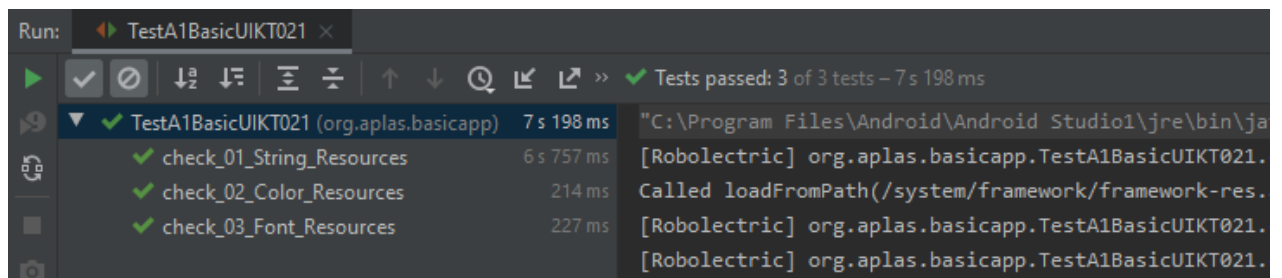| name	value
colorPrimary	#008577
colorPrimaryDark	#00574B
colorAccent	#D81B60
viewBgColor	#00BFFF
textColor	#000000
etBgColor	#CCCCCC
btnColor	#FFA500
spBgColor	#FFFFFF

7. Copy "**TestA1BasicUIKT021**.java" and "ResourceTest.java" file to "org.**aplas.basicapp** (test)" folder

8. Right click on the "TestA1BasicUIKT021.java" file then choose Run 'TestA1BasicUIKT021' and click it. It may take long time to execute.

9. Get the result of your task. If passed you will get green check like picture below. If the test failed, you will get orange check get the messages and you must start your project again.

F. Testing.

You have to try until get all green checkes and continue to the next task.