

TASK GUIDE (A1X.08)

A. Objectives.

Students know how to add image resource and make an ImageView.

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:

- temperature.jpg

Test code:

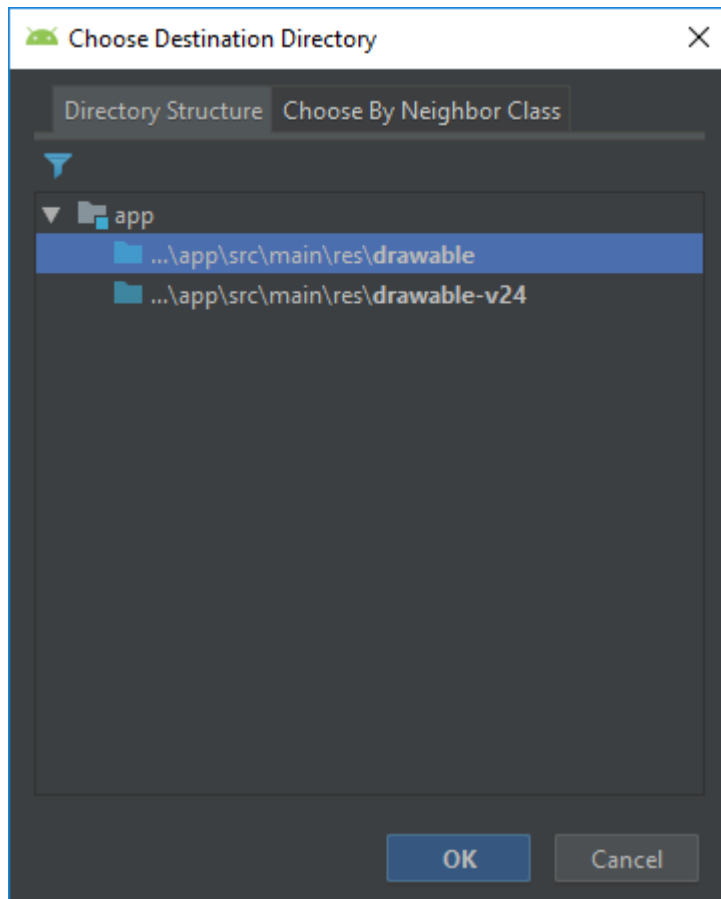
- TestA1BasicUIX081.java
- TestA1BasicUIX082.java

D. Task Description.

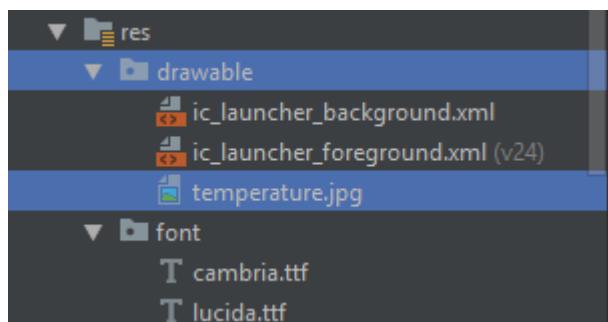
Student add image resource and start to design the interface with specified requirement and test it.

E. Specification.

1. Open BasicAppX project that already test passed.
2. Copy file “temperature.jpg” in Supplement folder to “drawable” folder under “res” folder.



Choose “drawable” the click OK



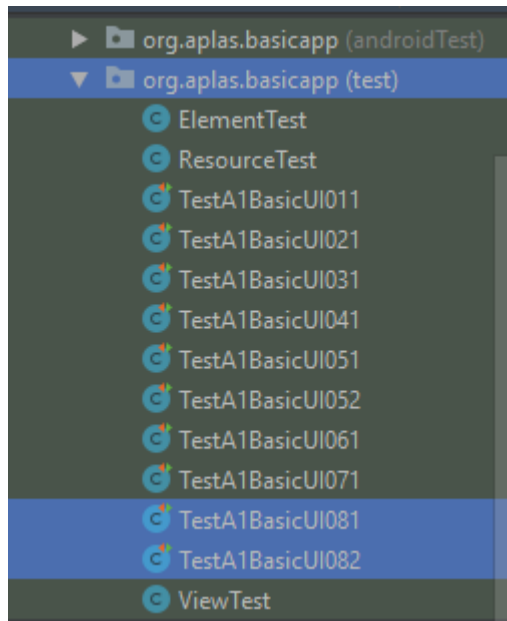
3. Open activity_main.xml file, to start UI design.
4. Under RadioGroup “radioGroup”, create an ImageView with id “img” refer on the specification below.

name	value
id	img
layout width	40pt
layout height	40pt
src	@drawable/temperature
tag	@drawable/temperature
layout below	radioGroup
layout top margin	5pt
layout center horizontal	true

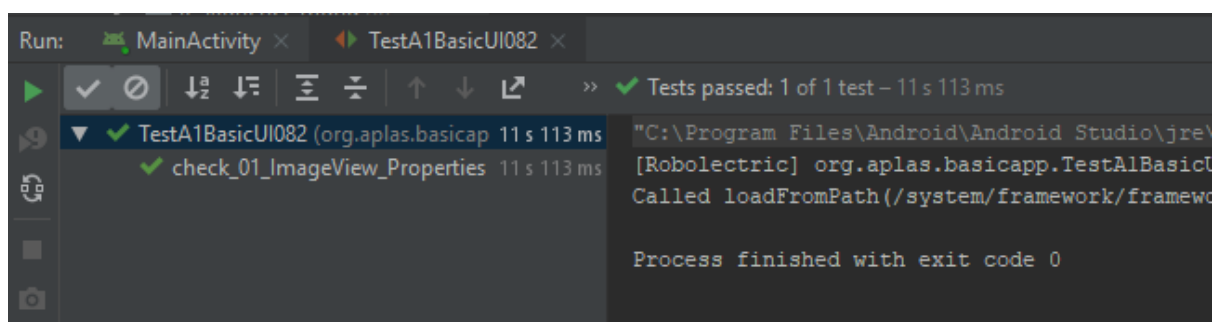
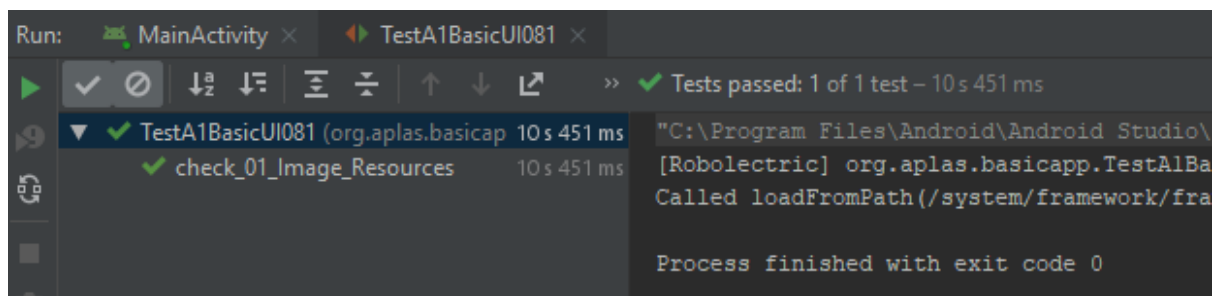
5. The result like below.



6. Copy “TestA1BasicUIX081.java” and “TestA1BasicUIX081.java” file to “org.aplas.basicappx (test)” folder.



7. Right click on each test file(s) then choose Run and click it. It may take long time to execute.
8. Get the result of your task. If passed you will get green check like 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 checks and continue to the next task.