

TASK GUIDE (A1X.04)

A. Objectives.

Students know how to make Space and add Child Layout.

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:

- None

Test code:

- TestA1BasicUIX041.java

D. Task Description.

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

E. Specification.

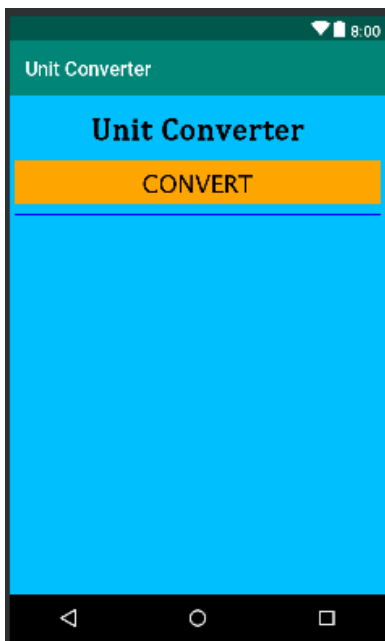
1. Open BasicAppX project that already test passed.
2. Open activity_main.xml file, to start UI design.
3. On the layout xml editor, create an “Space” with id “space” refer on the specification below.

name	value
id	space1
layout width	match parent
layout height	5pt
layout below	convertButton

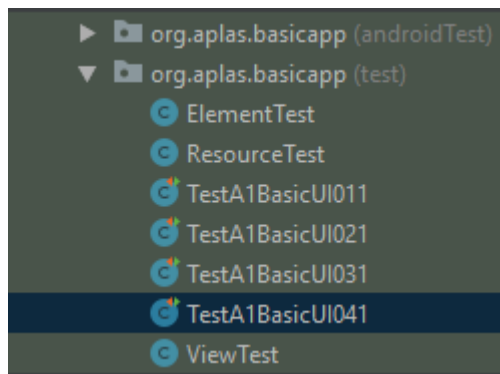
4. Under the Space, add a LinearLayout as Child Layout with id “child1” refer on specification below.

name	value
id	child1
layout width	match parent
layout height	wrap_content
orientation	horizontal
layout below	space1

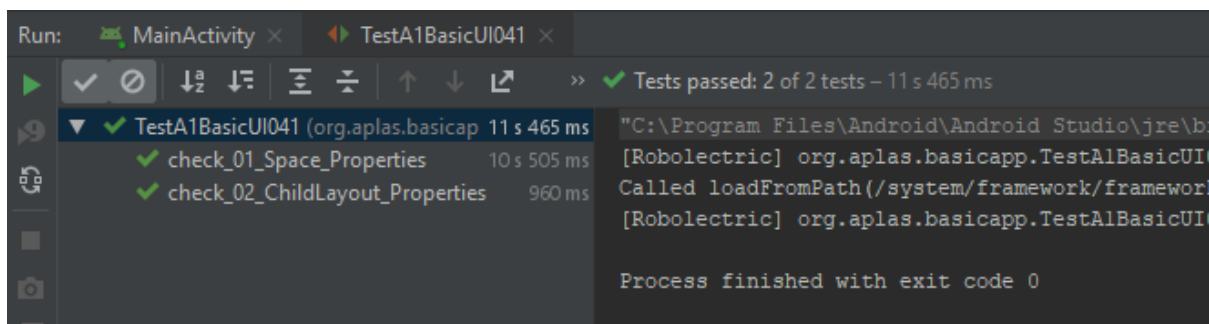
5. The UI become like below.



6. Copy “TestA1BasicUIX041.java” file to “org.aplas.basicapp (test)” folder



7. Right click on the “TestA1BasicUI041.java” file then choose Run ‘TestA1BasicUI041’ and click it. It may take long time to execute.
8. Get the result of your task. If passed you will get green check. 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.