TASK GUIDE (B4.05)

A. Objectives.
Student will start to design the SubInvert layout as fourth layout that contains a detail of invertebrate animal.

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 (Minimum 3.2) with AndroidX library.

C. Resources.
Documents:
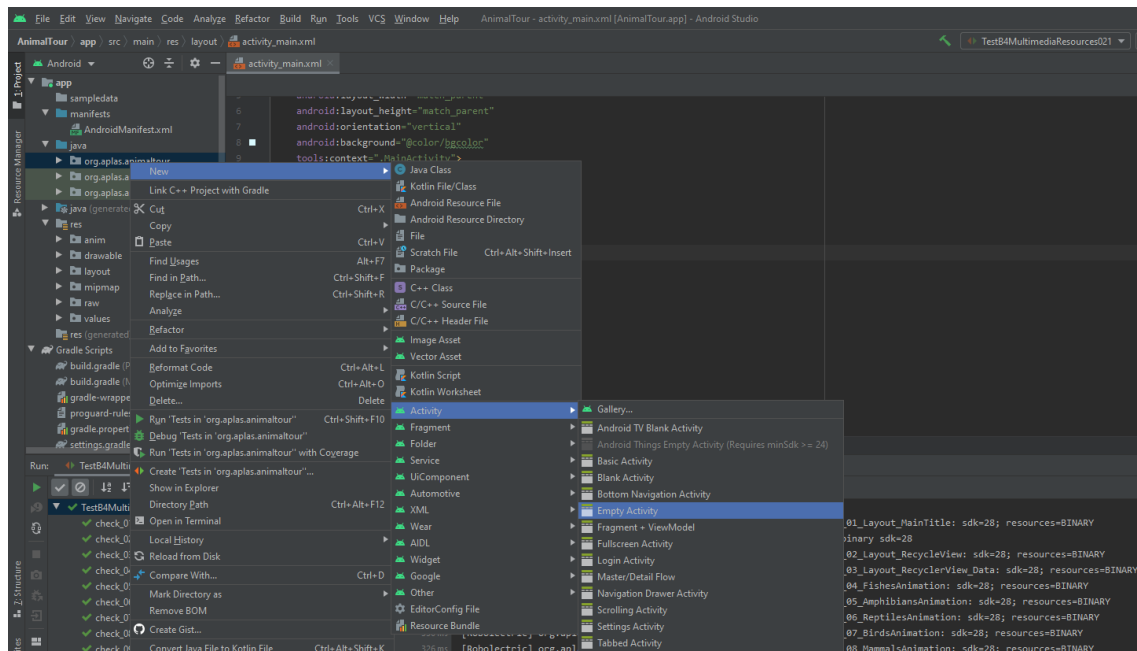- Guide

Supplement files:

Test code:
- TestB4MultimediaResources051.java

D. Task Description.
Student start to modify the fourth layout.

E. Specification.

1. Create a new Empty Activity

With this specification:
-   Activity name   : SubInvertActivity
-   Generate layout file   : checked
-   Layout name   : activity_sub_invert
-   Launcher activity   : uncheck
-   Language   : Java

2. Open "activity_sub_invert.xml" in layout resource folder. Change the root layout become "LinearLayout" and give id "subLayout", background "@color/lightBackground" and orientation "vertical".

3. Add an ImageView with this information:

    -   id: "mainPic"

    -   transitionName: "fade_trans"

    -   scaleType: "fitCenter"

4. Add a **TextView** as first Title with this information:

    -   id: "mainName"

    -   textSize: "20dp"

    -   text: ""

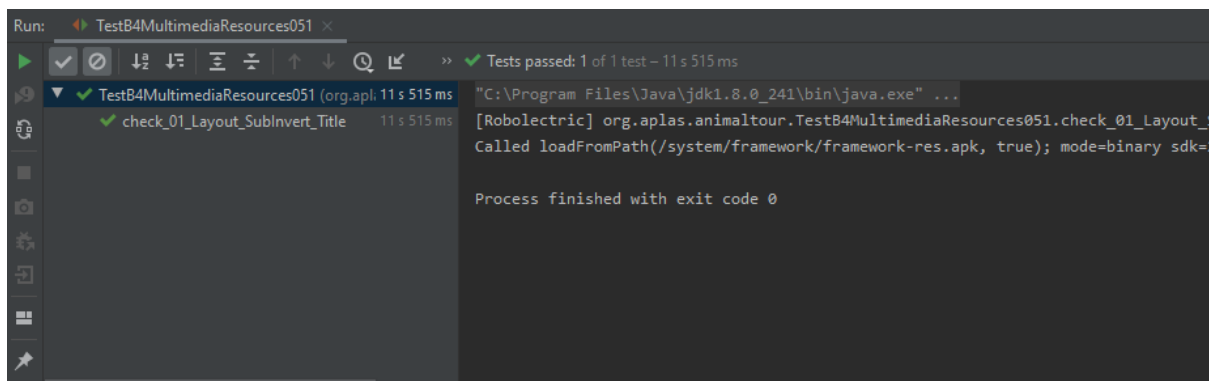   You can cover this TextView by a CardView if necessary.

5. Add a **TextView** as animal description with this information:

- id: "mainDetail"
- text: ""

You can cover this TextView by a CardView if necessary.

F. Testing.

1. Copy "TestB4MultimediaResources051.java" file to "org.aplas.animaltour (test)" folder.

2. Right click on the "TestB4MultimediaResources051.java" file then choose Run. It may take long time to execute.

3. 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 check your work again.

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