

TASK GUIDE (C1.03)

A. Objectives.

Student will start to design the Input Data 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 (Minimum 3.2) with AndroidX library.

C. Resources.

Documents:

- Guide

Supplement files:

Test code:

- TestC1MyLibrary031.java

D. Task Description.

Student start to create the layout and design the display.

E. Specification.

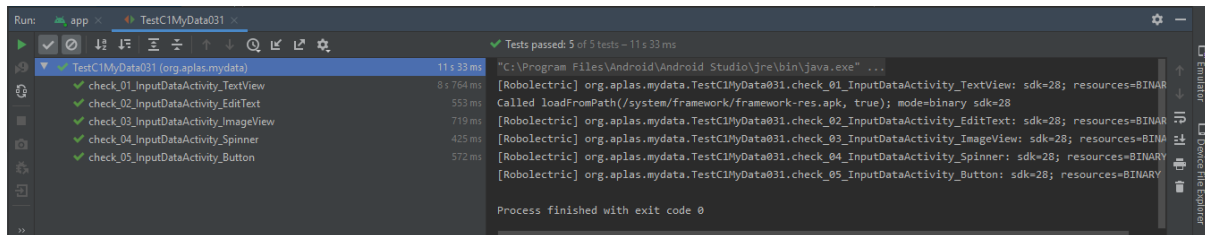
1. Create an empty activity with name "InputDataActivity".
2. Open "activity_input_data.xml" in layout resource folder. Change the root layout become "LinearLayout" and give id "inputLayout" and orientation "vertical".
3. Add a picture in **ImageView** as Logo with this information:
 - Id : "imgLogo"
 - Src : myLibrary.png
4. Add a text in a **TextView** as Title with this information:
 - id: "txtTitleInput"
 - text: "Input Book Data"
5. Add a text in **TextView** with this information:
 - Id: "txtTitle"
 - Text: "Title"
6. Add an **EditText** with this information:
 - Id : "editTitle"
7. Add a text in **TextView** with this information:
 - Id: "txtType"
 - Text : "Type"
8. Add a **Spinner** with this information:
 - Id : "spType"
 - Text : "@array/book_types"
9. Add a text in **TextView** with this information:
 - Id : "txtYear"
 - Text : "Year"
10. Add an **EditText** with this information:
 - Id : "editYear"
11. Add 3 buttons with information:

Id	Text	Background
btnSaveBook	Save This Book	lightBlue (color)
btnShow	View Data	btnEdit (drawable)
btnLogout	Logout	btn_logout (drawable)

12. Add a text in **TextView** with this information:
 - Id : "txtProfile"
 - Style : italic
 - Gravity : center

F. Testing.

1. Copy "TestC1MyLibrary031.java" file to "org.aplas.mylibrary (test)" folder.
2. Right click on the "TestC1MyLibrary031.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.

You can get the screen display like below when running this Activity. The style of layout depends on your layout design

