

TASK GUIDE (C1.08)

A. Objectives.

Student will create to check data in “InputDataActivity” page.

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:

- TestC1MyLibrary081.java

D. Task Description.

Student create a conditional to check the data fulfill or something is empty.

E. Specification.

1. Open "ShowDataActivity.java" create a check file is empty. If empty so spinner and data will be null or empty load data. If the data available so the spinner show the name of file. Like below.

```
if (filename == null || filename.isEmpty()) {  
    if (booklist.getBookList().size() > 0){  
        binding.setBooklist(booklist);  
  
        binding.setBook(bookdata.getBookData(booklist.getBookList().get(bookindex)));  
    }  
} else {  
    binding.setBooklist(booklist);  
    binding.setBook(bookdata.getBookData(filename));  
    bookindex = booklist.getBookList().indexOf(filename);  
    binding.spBook.setSelection(bookindex);  
}
```

2. Open "InputDataActivity.java" and create a binding method with on click listener for "btnSaveBook".
3. In binding method create an override method on click and declaration variable like table

```
"type variable" "name variable" = "binding action" ."value"."get  
variable"(). "action"(). "character effect"();
```

Type Variable	Name Variable	Binding Action	Value	Get Variable	Action	Character Effect
String	bookTitle	Binding	editTitle	getText	toString	trim
String	bookType	Binding	spType	getText	toString	
String	bookYear	Binding	editYear	getText	toString	trim

4. Create divarication between the data are fulfill and the data are blank. If blank so stack in "InputDataActivity" page and show messenger "Title, type, and year must be filled!!". If the data are fulfill so data will save and direct to "ShowDataActivity" page. The code for save like below

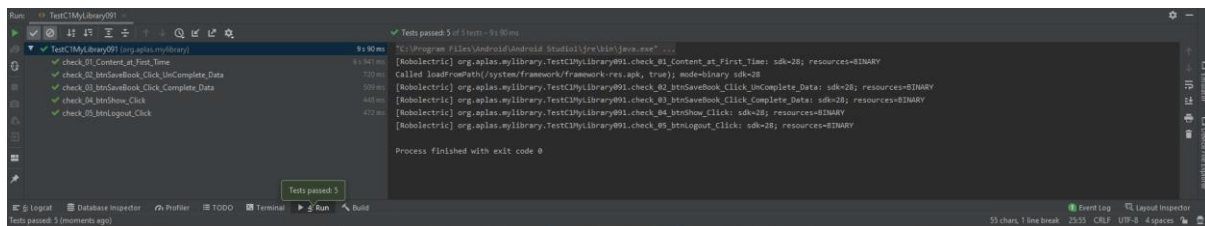
```
intent.putExtra("filename", bookdata.getFileName(bookTitle));
```

5. Open "InputDataActivity.java" and create a binding method with on click listener for "btnShow".
6. Create an override method on click to put "filename" and direct to "ShowDataActivity" page
7. Open "InputDataActivity.java" and create a binding method with on click listener for "btnLogout".
8. Create an override method direct to "MainActivity" page and "userData" that the latest login like below

```
userdata.clearUserData();
```

F. Testing.

1. Copy “TestC1MyLibrary081.java” file to “org.aplas.mylibrary (test)” folder.
2. Right click on the “TestC1MyLibrary081.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.