Application LifeCycle

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Start

Click Button

MainActivity [1]

customListView
- com.example.mailer
- com.android.quicksearchb
- com.android.contacts
- com.android.calculator2
- com.example.context
- com.example.data2
- com.example.jniproject
- com.android.browser
- com.android.customlocale
- com.android.music
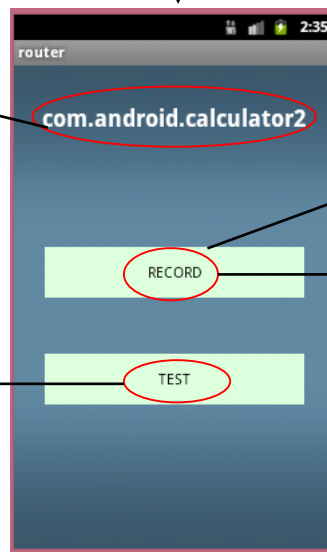
2:35
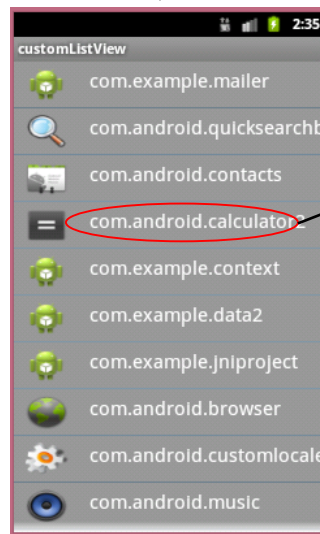
Choose application which you want to test

CustomListViewAndroidExample [2]

Signifies package you selected before
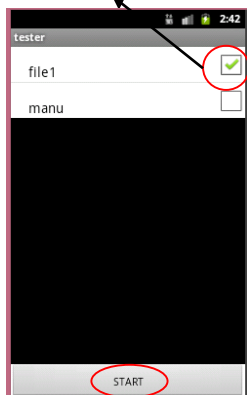
router 2:35

com.android.calculator2
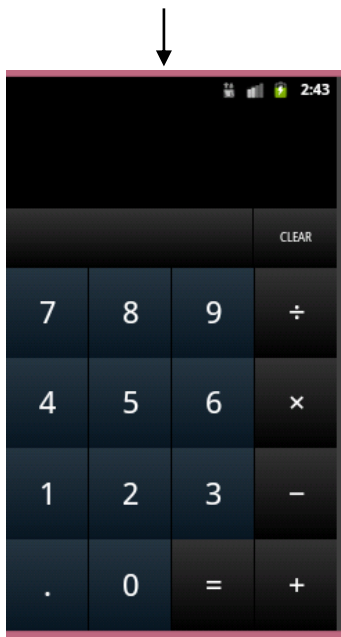
To record test inputs

RECORD

Record Choices [7]
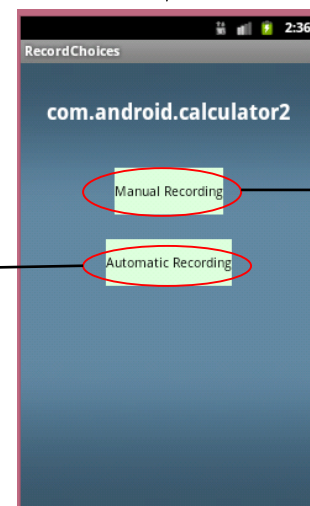
TEST

Choose Database which you want to run

tester 2:42
- file1 ☑
- manu ☐

RecordChoices 2:36

com.android.calculator2

Manual Recording

Automatic Recording

Router [4]

Tester [5]
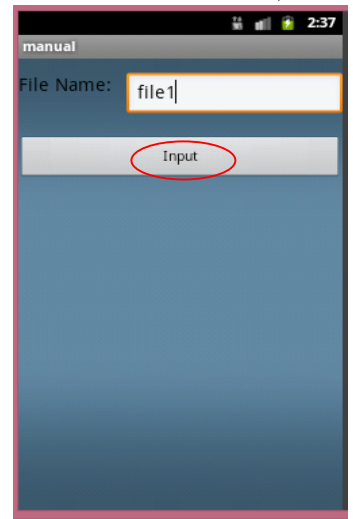
START

Start Recording

Stop Recording

Automatic[9]

Manual[8]

File Name: file1

Input

Manual List[11]

KEY   TOUCH

Maill[12]

manualList

KEY

CODE: 114

manualList

KEY

CODE: 114

TOUCH

X: 23
Y: 40

2 Items
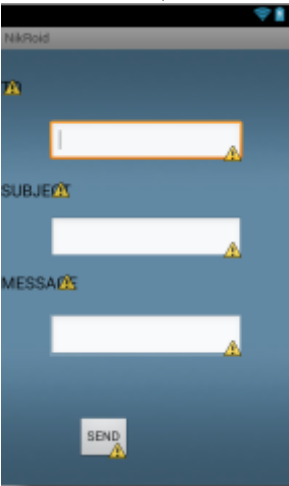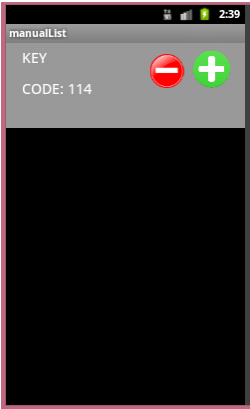
2.3 Description:

[1] MainActivity:-

- It is a splash screen.
- Click 'START' enter inside tool.

[2] CustomListViewAndroidExample:-

- It lists all the installed apps in the device.
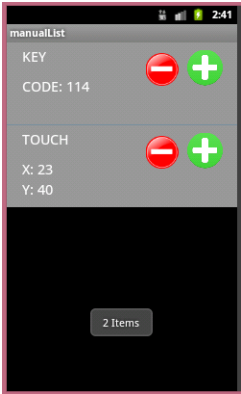- "logger" service will be started to track force close.

 [3]   logger:-

- It is a service running in the background.
- It constantly collects system logs and check if any app force closes.

[4]   Router:-

- You can choose either to test application or record inputs.
- **Record:** It takes you to record choices for recording inputs.
- **Test:** It takes you to tester to starting testing from databases.

[5] Tester:-

- It checks if any databases present under
  sdcard/<*package name*>
- If any databases present it lists them all.
- Click on any list item to see content of database file.
- Click on **"start"** button to launch selected application and starts "**ghost**" service.

 [6]   Ghost:-

- It is a service to launch selected application and continuous inputs read from databases are injected into targeted application.

[7] RecordChoices:-

- It lists options to either **"manual"** or **"automatic"** recording of inputs into the database.

[8] Manual:-

- Enter new database name in the EditText box.
- Click "save" button to create database with the name specified in text box.

[9] Automatic:-

- Enter new database name in the EditText box.
- Click on "start recording" button to launch selected application and starts **"recorder"** service.

[10] Recorder:-

- It is a service running in the background writes the input given by the user into the database

[11] ManualList:-

- It lists all the inputs in the selected database.
- "Green Plus" button is to insert a new input (key or touch).
- "Red Minus" button is to delete an input.

[12] Maill:-

- It is an activity, will be invoked from logger service if any force closes encountered in system logs.
- This activity sends "log.txt" file containing system logs, to the email specified.

Desktop Application:

This application is specifically designed to generate report from the databases exported from mobile application. For every application databases from <package-name>/ are extracted and generates report in the form of xls file and html page.
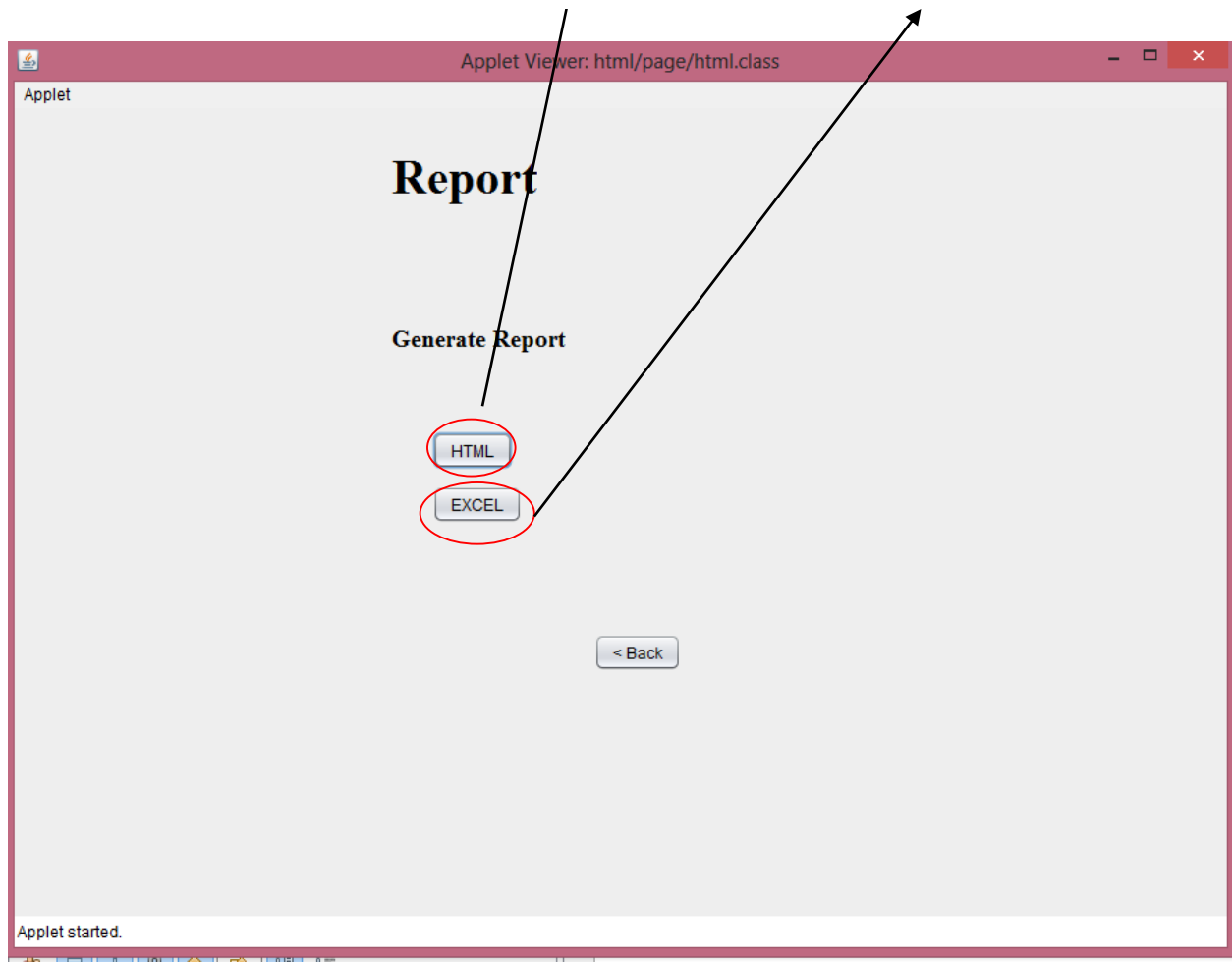
Screen shots:-

[1] Sourc.java:- Exports databases in sdcard/<project name> to desktop application.
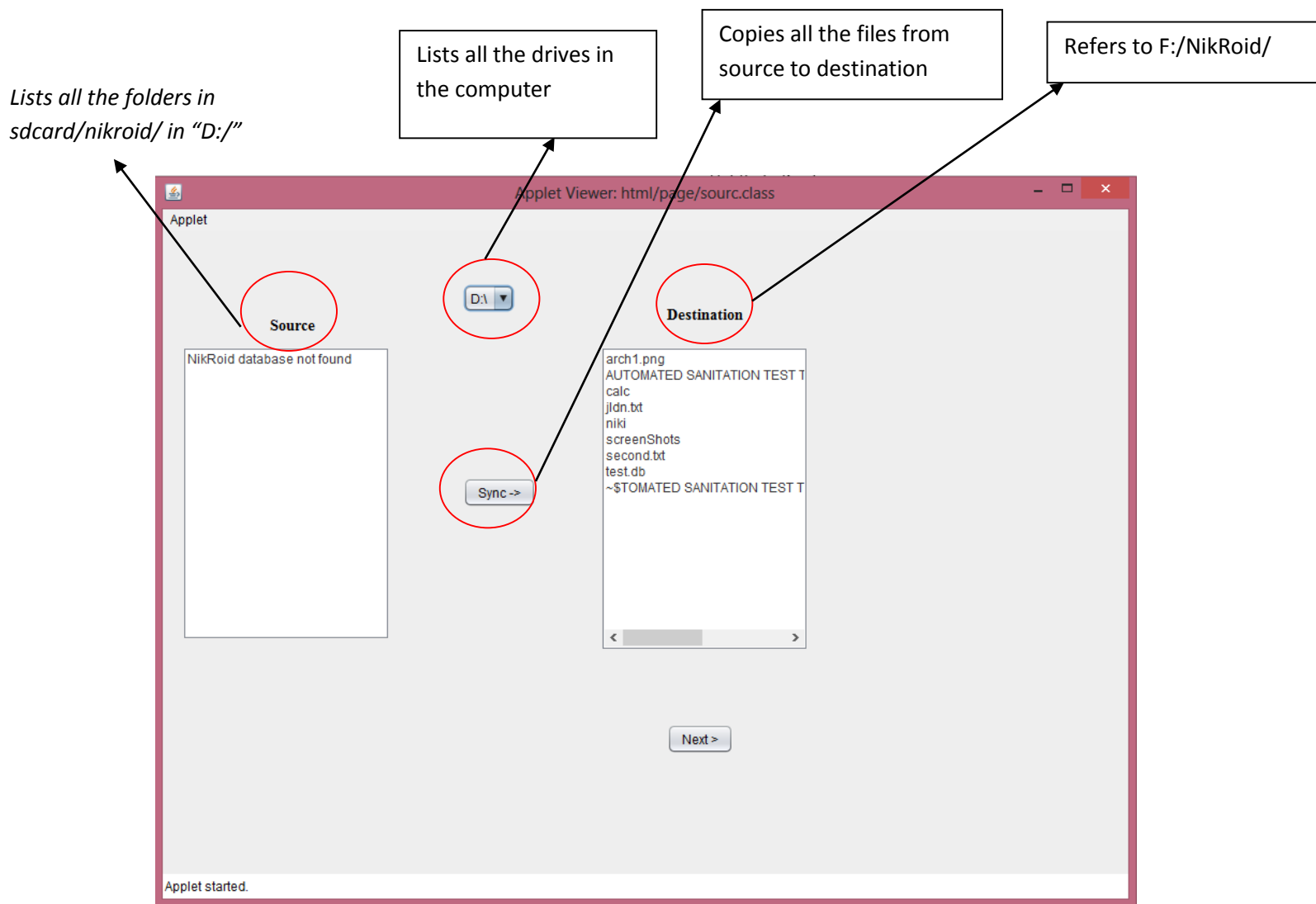
[2]. html.java:- Uses apache-POI library to generate xls file programmatically and html file is also generated

This button creates
F:/myHtml.html report

This button creates F:/new.xls report file

Sample Report

Database 1

Input Type	X coordinate /key value	Y coordinate / 0	ScreenShot

Database 2

Input Type	X coordinate /key value	Y coordinate / 0	ScreenShot

Application LifeCycle