Android Assignment

Name : Image Gallery

This is a prototype app inspired by popular apps like flickr. It has two screens. You have to add and use given **“image.sqlite”** database file into app(which is attached in your mail) with schema as given.

Table Info - “ImageTable”		
Column Name	**Type**	**Use of Column**
id	INTEGER	unique id
url	TEXT	Image Url
lk	INTEGER	Like Count
dislike	INTEGER	Dislike Count
click	INTEGER	Click Count
updated_at	DATE	Last Updated Time

Screen 1) List of all image :

In first screen(**Figure 1.0**) as shown, using image url, which should be read from Database (**‘url’** column, pre-filled in ‘**image.sqlite**’). Through web service calls, respective resultant image should be displayed on the screen. Keeping quality of the images intact.

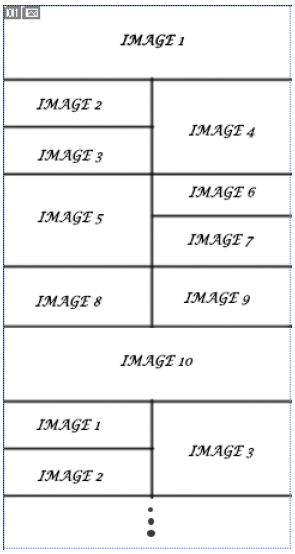

Figure 1.0

Note:

1.) Images list should be sort by **click** (Most clicked, will be on the top).

2.) List should be auto sort when you come back to this screen.

3.) Screen must have **Unlimited Scrolling** by repeating given 10 Image Url.

Screen 2) Image Info :

In this screen(Figure 1.1) you have to show image with last updated time. Whenever user like or dislike the image by clicking respective buttons, "**updated_at**" (Column in ImageTable) should be update with 'current date'.

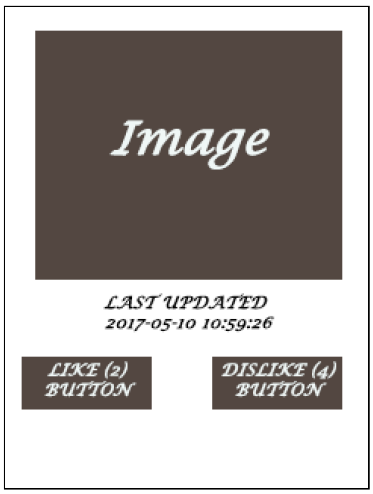

Figure 1.1

Note :

1) You have to count how many times, like and dislike buttons are clicked for this image.
2) You have to display like and dislike button with number
   Example: Like(2)

Solution evaluation key points :

- Use of a build system like Gradle is mandatory.
- Use 'Volley' Library to fetch Image from server.
- We are looking for your 'Object Oriented Principles' concept along with an understanding of Android and its internals.
- We are not looking for a very jazzy UI. A functional UI is what you should be shooting for.
- You may use 3rd party libraries, where necessary, with a clear explanation of why, and what it does.

Expected Output

- Working apk.
- Source Code distribution: either zipped or via a link to a repository where we can access your source code