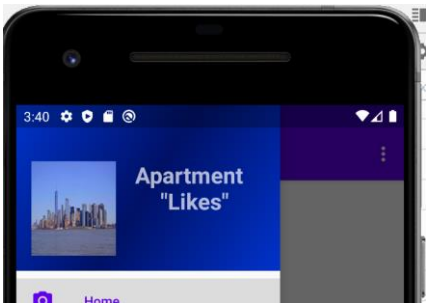
Topics: Navigation Drawer Activity

Your task is to re-create the "Apartment Likes" mobile phone app from last week's homework to a Navigation Activity app. The app will again be used in portrait orientation and the steps involved for creating this app are provided below.

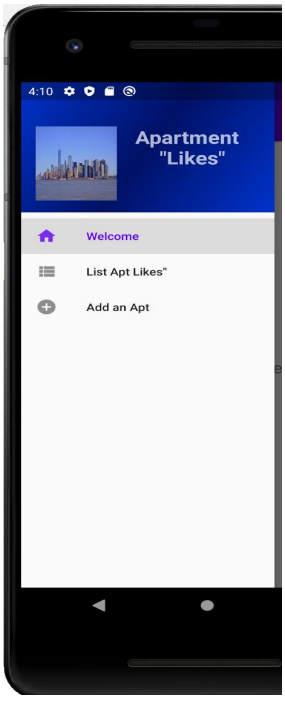
[1] Create a new Android project using the Navigation Drawer Activity

[2] Modify the **`side_nav_bar.xml`** file so that it specifies a centerColor value of "#001166", an endColor value of "#0033CC" and a startColor of "#0033CC".

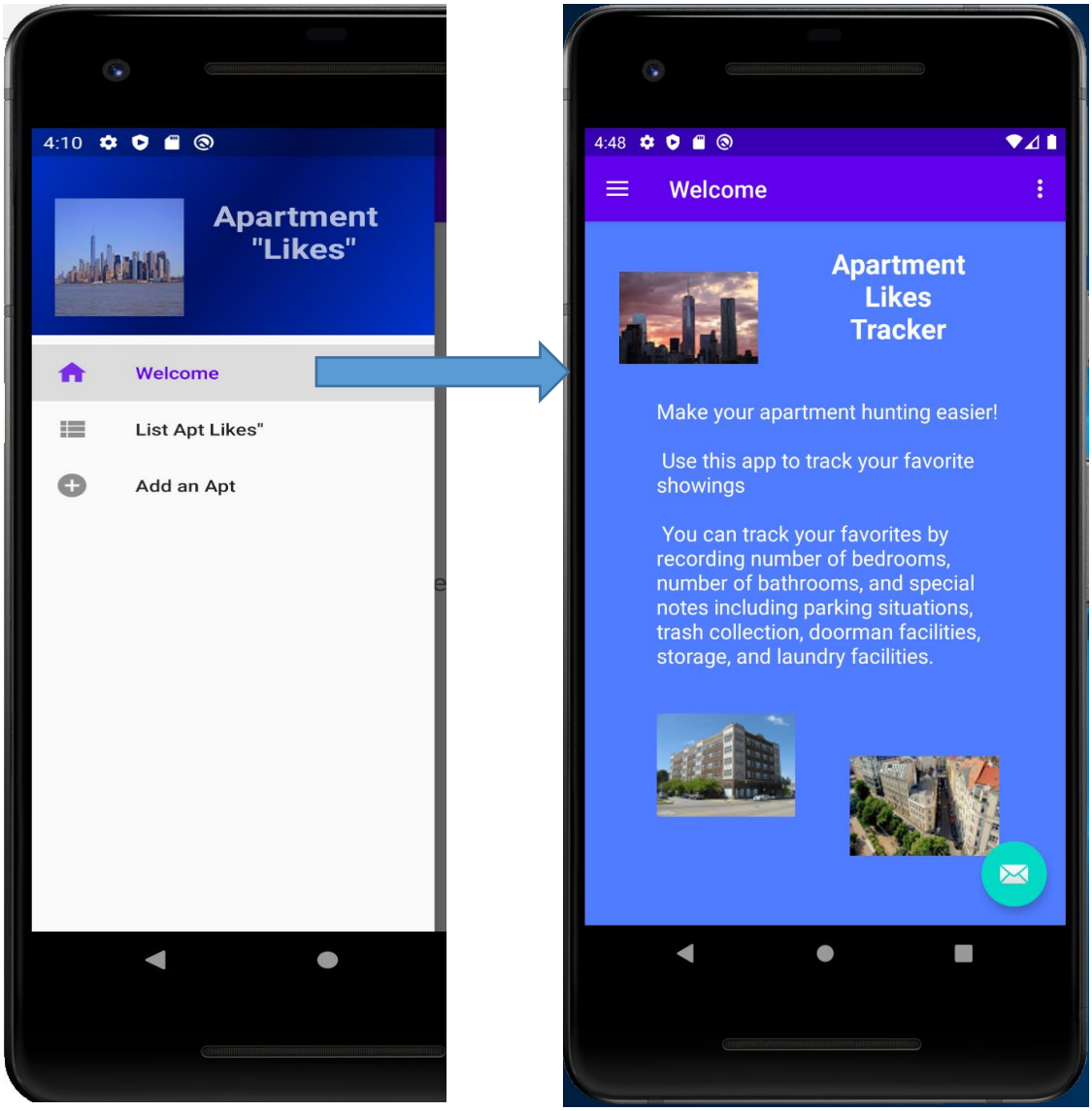
[3] Modify the **`nav_header_main.xml`** file so that it uses the image named **`appbarimg.png`**, available for download from our course site, to create the following navigation header. Note that the LinearLayout orientation has been set to horizontal:



[4] Modify the **`activity_main_drawer.xml`** file in the menu subfolder so that it yields the following. It is recommended that you leave **`@+id`** values of the **`<item>`**s as is. Note that the icons have changed as well as the string text value.



[5] When the first drawer item, “Welcome” is selected, the corresponding fragment, **`fragment_home.xml`** is to display the following:



All of the images shown in this fragment display are available for download from our course site.

[6] When the second drawer item, “List Apt “Likes” “ is selected, this fragment named **`fragment_gallery.xml`** displays the database records on the screen.

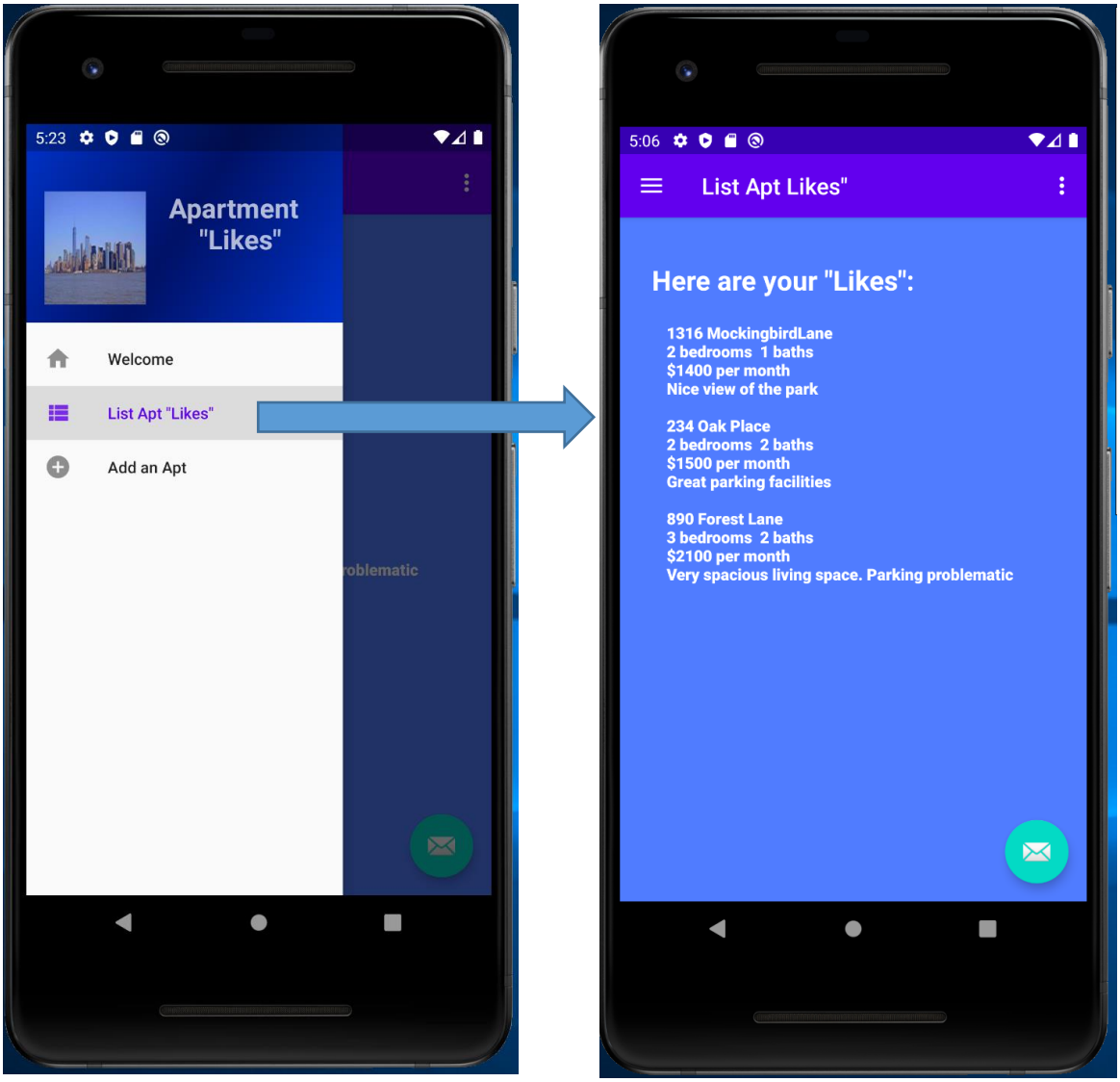
The database information is displayed here:

Here is the information required for working with the database:		
Database name:		aptlikes.db **AVAILABLE FOR DOWNLOAD FROM COURSE CANVAS SITE**
Table name:		apts
Field names		and types:
	ADDRESS	String
	NUMBEDRMS	int
	NUMBATHS	int
	MONTHLYRENT	int
	NOTES	String

To display all records, the SQL statement is: SELECT * FROM apts;

Here is what this fragment should display by executing the code within the **`GalleryFragment.java`** file:

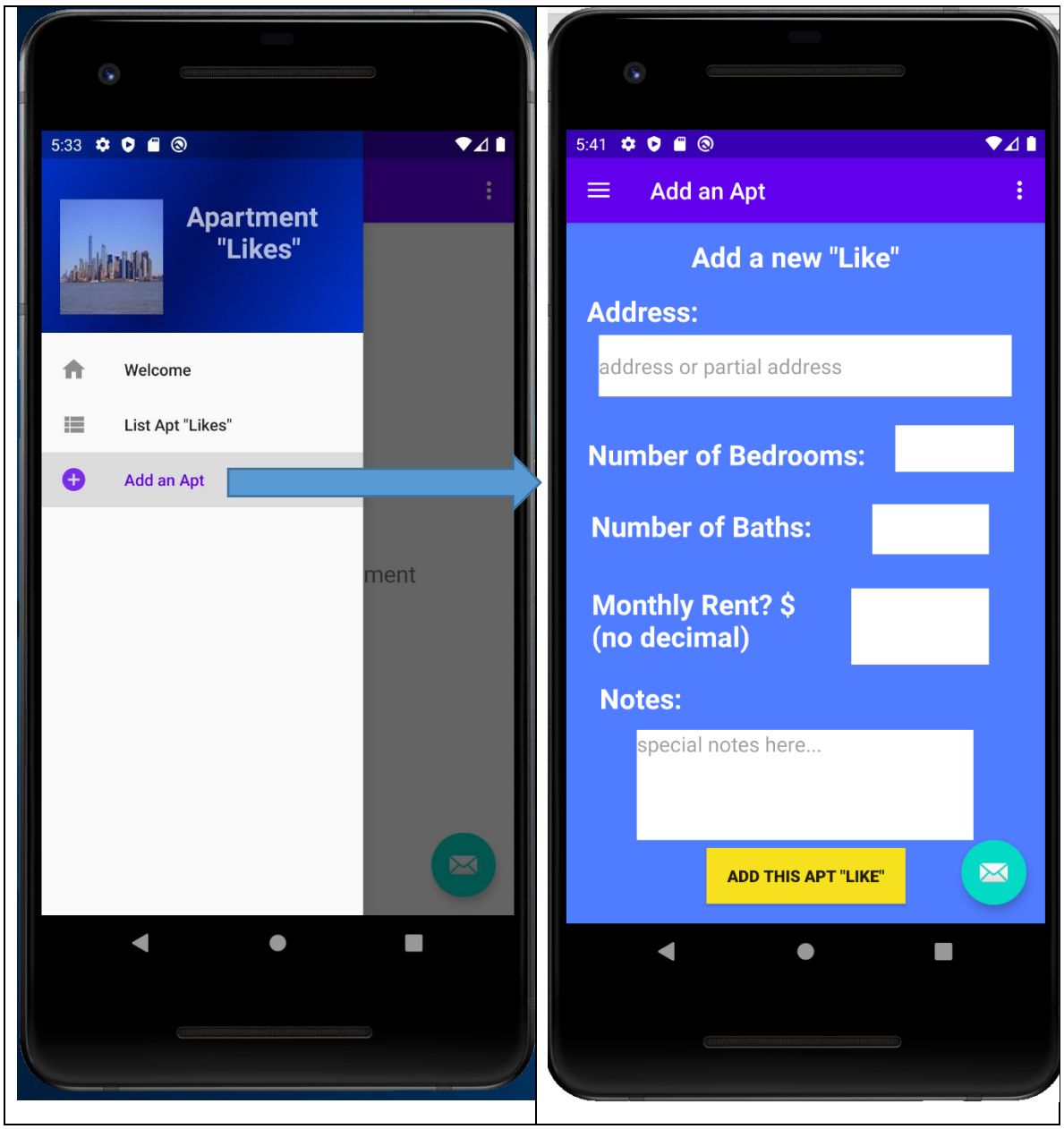
(NOTE: this is exactly the same output that you generated in last week’s homework assignment without the background images)



[7] When the third drawer item, “Add an Apt” “ is selected, this fragment named **`fragment_slideshow.xml`** prompts the user to add another apartment to the database of “like” records.

This is exactly the same layout that you created in the last homework assignment.

Here is how this screen should prompt the user:



And, when the user clicks the "**ADD THIS APT "LIKE**" button the information is added as a record to the database by placing the appropriate code in the **`SlideshowFragment.java`** file.

Again, you will want to use the same syntax used previously for the INSERT INTO SQL statement:

```
String insertSQL = "INSERT INTO apts (ADDRESS, NUMBEDRMS, NUMBATHS, MONTHLYRENT,
NOTES) VALUES ('" +
        address + "', " + numBedRms + ", " + numBaths + ", " + rent + ", '"
+ notes + "');" ; mybooks.execSQL(insertSQL);
```

Note: Your variables may have different names than do mine!

[8] Remove the Floating Action Button (FAB).

GRADING RUBRIC:

	TASK	MAX POINTS
	the **`side_nav_bar.xml`** color specifications	2
	the **`nav_header_main.xml`** modifications	5
	the **`activity_main_drawer.xml`** modifications	6
	the **`fragment_home.xml`** modifications for the welcome screen content	6
	the **`fragment_gallery.xml`** modifications for the display of the database records	5
	the **`GalleryFragment.java`** modifications for generating the listing of database records	5
	the **`fragment_slideshow.xml`** modifications for the new record field prompts	5
	the **`SlideshowFragment.java`** modifications for the gathering of the user inputs and then the insertion of a new record into the database	4
	Remove the Floating Action Button (FAB)	2
	TOTAL:	**40**