ICS4U Development Journal

Mohamed Amadou

Week 8

December 5

* Edited App Bar to Include Search Function

This is replacing the previous made from scratch (bootleg) search bar for the search activity. I decided that it would be very difficult (and pointless) to make my own look as good as the pre-provided android AppBar. So I just switched the two and migrated the code to work with each other.

December 6

* Retrieved All Android Material Design Icons and Imported them to project so that they can be used as Layout.Drawable files

I’m still not sure why this was such a struggle. Maybe it’s because toasters download things faster than my computer. Who knows.

December 7

* Added Semi-Functional Navigation Drawer to Home Page

I will edit this later but it’s good to have their so that it saves me the headache of adding it later. I will eventually set the navigation drawer items to navigate to their respective activities which should take only like 30 minutes. But the visuals are there which is the hard part.

December 8

* Implemented Comparator for Item Objects

The Comparator interface allows us to make use of the Collections.sort(List) function in java with our own specifications (i.e. Let’s say I want to search in reverse alphabetical order, I could pass in a parameter A\_Z so long as I define it in a relevant enum class)

December 9

* Added Sort Functions for Search Results

You can now (fully functionally) sort results from A-Z, Z-A, price low - High, and price High - low

December 10

* Fixed bugs the following bugs to do with search results formatting :
* Text Titles bleeding over top of the “Favorite / My Cart” Button even after being put into a Horizontal ScrollView

This took long hours of troubleshooting, and eventually I took to Stack Overflow to help resolve the issue, the question thread is here:

http://stackoverflow.com/questions/41077630/restrict-the-width-of-an-android-horizontal-scrollview-with-nested-textview/41077698?noredirect=1#comment69362122\_41077698

* Scrolling the Name of a Scroll View would scroll the name of items directly 6 items below in 6 item increments

Long story short (This also took a long time to resolve), I wasn’t refreshing the listView adapter while I scrolled down, which resulted in the object at a certain point on the screen being scrolled at every screen height distance away until the end of the list. I simply had to remove a line in the code where I checked for the listAdapter being null and it worked just fine.

* Spinner added to the Search Screen

I decided that it looked very weird having the screen just “freeze” and the results pop-up. So the user now gets a progress dialog saying “Please wait a moment while we find your results…” while the AsyncTasks are executing