Assignment 2 Report

- BookStore App
    1. The Action Bar itself was the first problem. It turned out wasn’t the professor’s intention to have us working on this problem, but I still have learned about the difference between Activity, ListActivity and AppCompactActivity.
    2. The second problem was the interface Parcelable. It took me some time to figure out what this interface was used for and how to implement it. I never thought about that passing custom java class can be another problem since Intents can already pass String, Integer and the rest of regular object.
    3. The third problem is that we need to pass a “view” within adapter. Normally the second parameter of the ArrayAdapter’s constructor is a View object and it is used for assigning a view to the adapter. We, however, declare a custom class to extend it and pass “0” as the second argument. It confused me for a little while then I realize we will customize the view in the getView() function.
    4. The fourth problem for me is to mark the item which user select at the long press mode by changing the selected item’s background color. It’s not part of the assignment requirements but it is more clear for user to know that which book he/she has select.
    5. The fifth is to implement CAB. In order to implement CAB, you have to either call the startActionMode() function or to set the long click listener, either way can implement CAB.
- Chat App
    1. The first problem I had is to understand why activity have to implements OnClickListener. The purpose of it I understand now is it is an easier way for button to set on click listener by simply pass “this” to the function setOnClickListener().
    2. The second problem is that I have to add a “user-permission” attribute(or called xml tag) in AndroidManifest.xml for both server and client apps so that the app have the permissions to establish the udp connection.
    3. The third problem is on how to use the “redir” command. In order to use redir command I have to get the authorization on the AVD. The authorization token, however, stored as a hidden file in macOS. After finding out where it stored, then I can execute advanced command to that AVD.