For my milestone three, Enhancement Two: Algorithms and Data Structure assignment my goals were to replace the linear list with a hash table to enhance item lookup and management operations and allow sorting on inventory items by name, category, or quantity using a merge sort or quick sort implementation. Before beginning this I continued where I left off in the previous milestone. This week I continued to updated and debug the code. On the activity\_message page I added an area to enter a message and enter the recipient of the message. For this I had to edit the xml and java files, as well as modify the DatabaseHelper.java file to include a messages table and CRUD methods for messages. This allows the messages page users to load into a RecycleView. I am still working to fix flaws in this page and update all existing files that make this page work. This page is becoming more complex than I anticipated. I also have started updating the inventory page to include an add, edit, and delete option. This allows users to update, add, and delete items in the inventory. I am currently working on making it to where items can be sorted, to make searching the inventory list easier as well. My biggest struggle this week is going back and forth between the xml and java files to make sure everything corresponds and has all the requirements. My app still does not deploy in the virtual phone, so making sure that it works completely is my biggest concern moving forward. I am not sure if I have issues with the location my files are saved, or if its just problems with my code.