

## **Jason Ajmo**

### **Assignment 4**

All APKs (signed) can be found in the apk/ directory. All videos can be found in the videos/ directory.

#### **Bookstore**

For this part of the assignment, following the Professor's instructions, I passed the authors values to the book content provider as a single string, combined with the separator character "|". I also found some hardcoded strings in the layouts that I moved into the string resources file, namely in the checkout resource file. For the view book activity, I added two additional TextViews for the ISBN and price. I also had to add the content provider to the Android Manifest.

Furthermore, some of the views were missing the "Price" section. I added those. I also had to re-add the "THIS CART IS EMPTY!" string to the layout file.

For some reason, ON DELETE CASCADE; wasn't working properly, so I had to add a second db.delete statement for the Author table.

#### **Chat Server**

I had to adjust the version of guava being used in order for my app to compile. I also created a new view, called peer, that contains a TextView used for displaying the peers. For some reason, when a new message was added to the database, the ListView wouldn't update properly. To circumvent this, I had to restart the loader with `getLoaderManager().restartLoader(LOADER_ID, null, this);`

When I was preparing to submit, I accidentally copied homework 3's chat server on top of homework 4's. This overwrote everything, except for the content provider. I had to rewrite the chat server, and I also started using git now.