**Related work survey** \*Draft\*

Here are the things related to our project why should someone care

Current state of affairs – using a spread sheet to keep track of everything. Pain to update and could be lost easily

Past attempts at this project may have worked but we can’t make the version we were given work. This is due to a combination of lack of documentation and missing the database the program was designed to connect to.

As an example of some design choices we want to avoid we looked at THD mobile which is currently being used by the UND mail room. Something about text menus being ass for mobile.

We are making our application for the university and we want to compile with the university’s content standards. This includes color standards, logo standards, text font standards and other more general guide lines.

Google has a barcode scanner API which includes methods like \_\_\_\_\_\_\_\_\_. Has built in support for the 1D barcode standards EAN-13, EAN-8, UPC-A, UPC-E, Code-39, Code-93, Code-128, ITF and Codabar as well as 2D barcode standers. The translation for which standard was scanned can be relegated to the back end of the API allowing whoever uses the final app not to worry about the standard they decide to use or change to in the future.

This also has the advantage of being a google product meaning it’s going to have well documented support going forward and have people far smarter than any of us doing that leg work. (maybe compare to other similar api’s) (barcode translation is done locally not at a server, translation can then be feed to our server)(set up instructions are for android studio we’ll need to translate that to visual studio)

SQL – advantages and disadvantages

I think we can divide this in to three categories

Examples we are learning from (past projects, products available, how inventory is currently handled)

Products we are using to build the project (android studio, visual studio,

Technical components (API’s, SQL specs, frame work)

Conclusion?