COMP 380 Team project proposal

Inventory Tracker RNG	Date: Feb 3, 2020	Evaluation criteria: 1.Innovation (2) 2.Complexity (2) 3.Completeness(3) 4.Practicality(3)

Team Members

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Problem statement: What problem it solves? Or, what feature does it improve

The Inventory tracker solves many problems for an individual or a company. For the individual it can be used for cases like documentation for insurance in case of a natural disaster or to track valuables or collectables. In the case of a company it can be used to track inventory or what they have on hand. It can also help get information on a part without having to search for it.

Measure of success: How will you know you have achieved your goal?

The goal will be met once all items can be categorized into folders specified by the user. Each item must be able to store pictures of the receipts, barcodes, and the item itself. Also text information like: prices, model numbers, serial numbers, date of purchase, and location where the item can be found. Each item within the app must be able to be found and read without too much confusion or hassle.

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Identify interoperability requirements.

Our app will only be available on the Android operating system. It will be compatible with approximately 100% of Android devices since we will be developing on Android Ice Cream Sandwich (4.0.3).

Describe system functions.

Store Inventory
The system can add or delete items
Track Inventory
Transaction history
Serialization (Barcode)

Briefly describe the system's architecture
- components and interfaces (modules and classes)
  - GUI
    - XML File built in Android Studio
  - Item
    - stores descriptions of each item
    - Name, quantity, location, photo, barcode
  - Folder
    - contains items
  - StorageRoom
    - Categorically stores items according to where they are located
    - Name, items
- hardware and software
  - AndroidOS
  - Android studio
    - Java