Item Identifier
Progress Report

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Progress Achieved so Far:

- Android application is capable of setting up user login and taking pictures
- Database has information on users and some products
- Research on how to implement CNN is completed
- Windows application has been started, GUI in progress
- Gathered data for the CNN to analyze

Role of Each Team Member:

Christien:

- In charge of the Android application
- Responsible for setting up the camera on the android application to make sure that it takes a picture of the product
- Responsible for making sure the android application sends the picture over to the Windows application to be analyzed
- Responsible for making sure that the android application functions properly and does not crash
- Responsible for assisting Faizan in setting up the database

Miral:

- In charge of Windows Application
- Responsible for setting up a server that will allow the Android application to connect to the windows application server
- Responsible for making sure that the Windows application will display the product information to the cashier
- Responsible for making sure that the Windows application functions as it should and does not crash
- Responsible for assisting Faizan with the Convolutional Neural Network

Faizan:
- In charge of Convolutional Neural Network (CNN)
- Responsible for making sure CNN analyzes the image taken as it should
- Responsible for training the network
- Responsible for making sure the CNN is combined with the Windows application
- Responsible for assisting Christien with the database

Agilan
- Assisting with the windows applications
- In charge of Setting up a Server Client connection between Windows application and android app to send data over.
- Assisting with the Android application development.
- Working with Faizan and Miral to help implement CNN.

**This is the updated milestone schedule according to the the rubric as we did not have access to it before.

Milestone	Date
Build android App and basic software for Windows in python. Link phone to computer over wireless network	February 10th
Gather Data small amount of data using the app for testing (2 products,5 images/product)	February 27th
Build CNN (Convolutional Neural Network)	March 14th
Gather more data(10 products, X images/product)	March 20th
Train CNN	March 24th
Database for product information	March 26th
Optimization	March 26th-31st

Database with user info to login

🔗 https://itemidentifier-fb57d.firebaseio.com/

itemidentifier-fb57d
  users
    user1
      password: "project1234
      userId: "cks1234
    user2
      password: "project1234
      userId: "fma1234
    user3
      password: "project46
      userID: "mpmaster1234
    usere4
      password: "shoppersboi
      usereId: "agilanswag1234

Android Login Page

Products to help train CNN