STATEMENT OF WORK

(ARTIFICIAL INTELLIGENT LOGISTIC MANAGEMENT SYSTEM)

BY – GROUP 4

IDENTIFYING THE DATA REQUIREMENTS:

As our group project is image classification and directly related to grocery stores, we are going to use various kinds of data.

Our primary data requirements are Datasets of the average grocery products, images of various foods, updated rules and protocols from the local government.

RELATED DATA SOURCES:

[**https://www.epfl.ch/labs/mmspg/downloads/food-image-datasets/**](https://www.epfl.ch/labs/mmspg/downloads/food-image-datasets/)

[**https://www.kaggle.com/moltean/fruits**](https://www.kaggle.com/moltean/fruits)

[**https://github.com/marcusklasson/GroceryStoreDataset**](https://github.com/marcusklasson/GroceryStoreDataset)

[**http://aisdatasets.informatik.uni-freiburg.de/freiburg\_groceries\_dataset/**](http://aisdatasets.informatik.uni-freiburg.de/freiburg_groceries_dataset/)

**DATA ASSUMPTIONS:**

**As you can see from the above-mentioned data sources, we assume that these datasets are quiet enough for our project and the data regarding the grocery stores provides us with enough information throughout our project.**

**LIMITATIONS & CONSTRAINTS:**

**Although we have more than required information in the above-mentioned datasets, we are going to limit the data that we are going to use in our project so that we can complete it in given time, Limitations such as keeping the database in 5 to 10 rows and columns, using limited images of food, also limiting the app to fewer features.**

**METHODOLOGY & ACTION PLAN:**

UPDATED CHECKOUT

UPDATED DATABSE

NOW AI IN BACKGROUNG RECOGNISES THE PRODUCT AND SENT IT TO THE DATA BASE TO UPDATE

MANAGER OR CUSTOMER USES THE PHONE TO TAKE PICTURE OF THE PRODUCT TO ADD IT TO THEIR INVENTORY AND CHECKOUT FOR THE CUSTOMER