Group 5 progress Report

Aim:

To develop a robot that can find shelves of stock, tell workers when stock needs to be refuelled and tell the user about the item they are point at.

Modules:

Depth module is nearly completed by Nathan. This module calibrates the distance between the sensor and the wall, then instructs the user to adjust the location of the sensor.

The Location sensor was done by Alec and aims to use a magnetometer to allow the servo to be adjusted so that it is facing magnetic north which is the orientation of the stock shelves.

The stock shelves module is in progress by Leon and Samson to orientate the lidar to measure each stock level and alert if the average of 10 readings is close to the depth of an empty shelf.

The product database was design by Aaron and aims to tell users what items they are pointing at which is the next module to complete.