**Student Name:** Sinéad Stafford **Student Number**: 98163153 Assignment 2

**Introduction**

The proposal for this assignment is to build a low cost home security system using a raspberry pi along with sensors and cameras. As home automated systems become more common this home security system can be connected into an automated system, if there is already a system in place. It can also be expanded.

**Hardware**

This is a list of the hardware that will be used for this project. This list is subject to change as the project progresses.

* Raspberry Pi 3B
* Raspberry Pi Camera
* Motion Sensors
* SD card

**Software**

This is a list of the software that I propose to use for the assignment but again this is subject to change as the project progresses.

* Rasbian
* Python

**Technologies**

* Wifi
* Bluetooth