# Final Project CMPT 2200

We have made a home security system with the raspberry Pi. It detects the motion and measures the distance of the object or person, and a camera clicks a picture to send to email.

This home security system has 2 inputs, distance sensor and a camera and 3 outputs a LED and a buzzer and an email notification.

When the sensor detects any motion it sends signal to the buzzer and camera to click the picture, simultaneously the distance sensor gets triggered and start measure distance of the person and sends signals to the buzzer, which starts beeping when distance is less than 7cm or when motion is detected. When the camera clicks the picture, there is LED which turn red. The picture is then sent to the email and the person gets the notification. Moreover, it can also detect whether it is a person or any other thing.