**Report of Project Progress**

\*Project Title:

Who R U? — Automatic human detection system

\*Team Members:

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\*What we have done:

Collected ultrasonic distance sensor, camera, IR sensor and photoresistance.

Enabled ultrasonic distance sensor, IR sensor and photoresistance to keep collecting data of distance, IR and light brightness respectively.

Enabled camera to take high-resolution photos.

\*Challenges and problems we have met:

When we tried to enable the camera, we had trouble accomplishing it, which is due to the out-of-date apt-get package. After updating the relevant packages, we could enable it successfully and take high-resolution photos.

\*What we will do:

We need to connect ultrasonic distance sensor and IR sensor with the camera. We will set up a threshold of distance, and when someone reaches it, the camera will be enabled to take a picture. IR sensor is used to detect a real person not a random object to help reduce the unexpected activation of the camera. Besides, photoresistance will be used to control a light to increase brightness at night.