Task：

PIR sensors will detect the health of an elderly person in the living room. When an elderly person living alone has not been active in the living room for long time, like 12hours. the sensor will alert their family through the IoT.

System components:

Arduino IDE, AWS, PIR sensor

Component Interaction:

1. PIR sensors will detect motion in the living room.
2. Then the Sensor will sends data to Arduino.
3. Arduino pushes data from sensors to AWS.
4. If there is no data for a long time, then an alarm will be generated

Tech stack

C programming language

Challenges :

●Programming on Arduino

● A new Sensor

● How the IoT informs their families.

Timeline:

Week1: learning C programming language

Week2: Use the relevant libraries to write code on Arduino

Week3: Learning how to call the police through AMS

Week4: Well done