EXERCISE Week 13: IoT Analysis

**Due:**  December 12, 2019 by 11:59pm

**Points:** 10

**Submitting:**  a file upload

**File Types**  pdf

**Objective:**

Practice thinking about Internet of Things systems and how then interact.

Use one of these videos to conduct an analysis of the IoT described in the “wake up time” or “coming home” scenarios:

[https://www.youtube.com/watch?v=LVlT4sX6uVs (Links to an external site.)](https://www.youtube.com/watch?v=LVlT4sX6uVs)

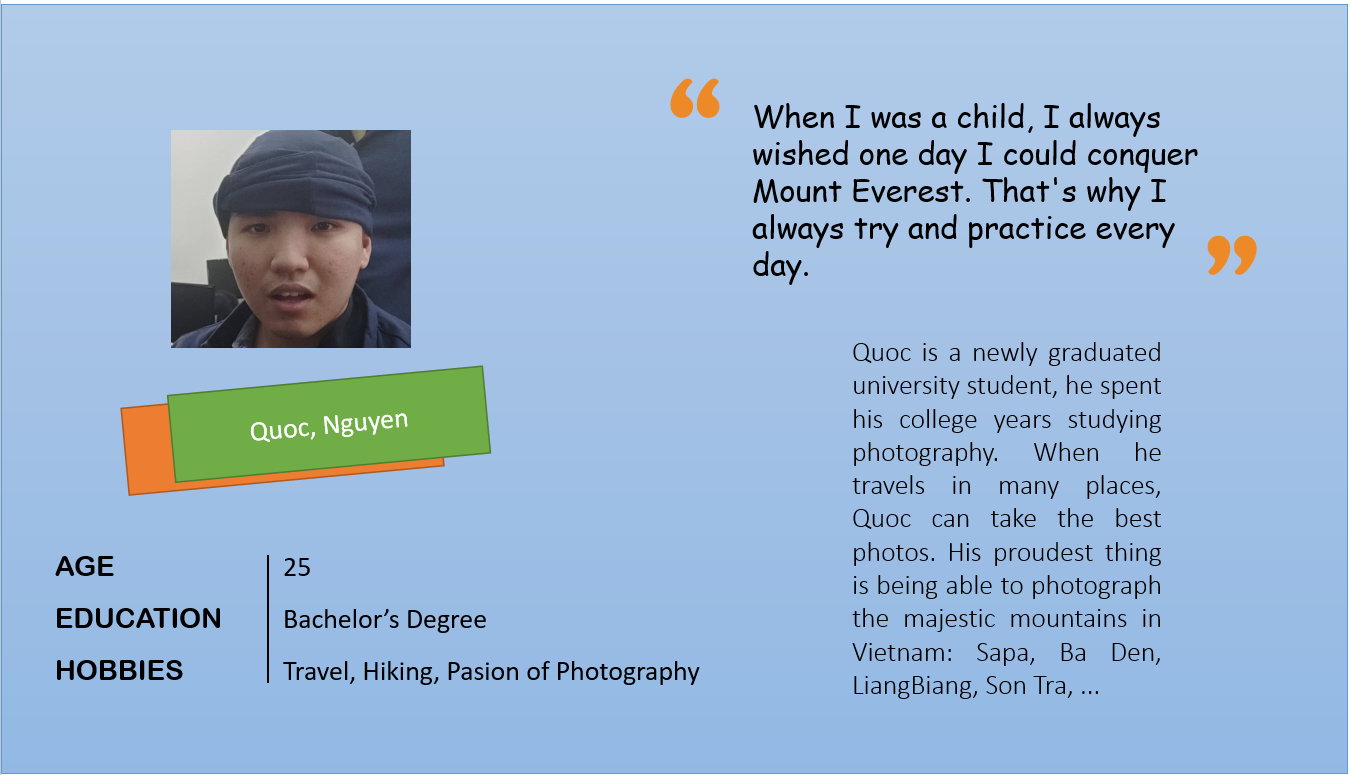
[https://www.youtube.com/watch?v=sfEbMV295Kk&feature=youtu.be (Links to an external site.)](https://www.youtube.com/watch?v=sfEbMV295Kk&feature=youtu.be)

**What to turn in:**

* + Describe who is the persona
  + Describe what is the scenario
  + Describe the IoT system:
    - sensors needed for the scenario
    - analysis of the “automatic" processors
    - the output or action the system takes
    - how feedback may or may not work

This should be ~ 3-5 pages

**Rubric:**

* persona and scenario description (1 pt)
* system description
  + sensors (3 pts)
  + processors (3 pts)
  + action/output/feedback (3 pts)
* **Scenario**: Quoc on the occasion of graduation, he wants to travel with friends, and before traveling he wants to buy some clothes. However, Quoc did not know which store sold clothes that were good for him and he decided to go online and choose clothes and pay online. He signs up for that website's account, then selects clothes and pays. In the payment section, there are many options: payment on delivery, payment via ATM card, payment via e-wallet, payment via international cards. Quoc does not have cash available, he chooses to pay via ATM card. He entered the account number, entered the security code and entered the opt-in sequence via the phone. Finally, he can buy clothes and pay online without having to go to the store to buy.

**Sensors:**

* Pay via ATM make the process more and more faster with higher convinience.
* Make people expand the range of choice when buying something/

**Processors:**

* The account number will be checked by the system and then the code will be send.
* The user accept and confirm all the information is correct then allow charging.
* The bill info save into the banking account’s history.

**Output:**

* The system backup all the process for identification in future.