Fourth Meeting Notes for C3

11/20/2019

Security:

Building our own version of what Alexa can do, it will be a mixture of personal and business Alexa.

PII – Personal Identifiable Information. A PII can be used to access a connection card, someone's schedule, their assignments, and purchases.

OTA confirmation will be needed for security purposes.

- Step 1: Alexa will ask for the students Student ID
- Step 2: An OTA will be sent to the student to authorize that this is the student

Both steps will be encrypted, hashed, salted, and a private key will be associated with them. Google authenticator can be used for the second step.

Where is the physical location?

Goal: possibly anywhere

The hardest problem that will need to be solved is safe personalization. A database will need to be used that has the student IDs and their corresponding phone numbers. We should request access to the CWU database to access student IDs and phone numbers later on in the development of the project, if possible.

Code Flow:

Lex -> API Gateway = CWU_Lex_Gateway ->

Lambda: "What is your student ID?" = StuID_Cell_OTA_Target

Authentication = yes ->Do not provide access

Testing:

10-20 cell phone numbers and student IDs should be collected to do initial testing on. These should be taken from students and faculty members of the dorm and other places on campus.

We should find someone from the ITAM department who is knowledgeable with security to help us determine, when we start to code our project, if we are using good security practices.