

Progress for the week

- Sam

- Learned Python
- Learned basic Google Datastore API
- Trying to export .csv or .xlsx using Python
- Able to create, modify, and delete entities in Cloud through Python
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- Bowen

- Learned google cloud functions
- Trigger google cloud functions with HTTP Calls
- Trying to send google cloud storage back from HTTP call
- Create, update, delete from cloud functions

Functions created in python

- AddNewLabs(index, room_number, class_list = [])
- AddNewStudents(index, name, cruzID, class_list = [])
- ModifyLabEntity(lab_index, room_number, class_list = [])
- ModifyStudentEntity(student_index, name, cruzID, class_list = [])
- QueryAllLabsEntities()
- QueryAllStudentEntities()
- DeleteLabEntity(lab_index)
- DeleteStudentEntity(lab_index)
- LoginRoom(room_number, cruzID)
- LogoutRoom(room_number, cruzID)
- CountRoomPopulation(room_number)
- ClearRoomLog(room_number)

Google Cloud Functions

GetUserLab(userID){

Returns labs user has access to.

}

updateLogInfo(Room #){

Update log info for each room

}

Problems

- HTTP latency ~4-6 seconds
- Python to Cloud calls latency ~1.5 seconds