Initial Execution Plan

Scope/Objectives

* Problem: Finding who is on campus, where the individual is located, what people are doing, and how busy rooms are.
* Use case: Cornell Tech students walk into campus, sees a board broadcasting location information of people that have ‘check-in’. User that has app broadcasts to display board that user is checking and where the location of other users are on campus.

Meeting Time

* Recurring meeting with Team mentor: Every Tuesday, 4 – 4:30pm
* Recurring meeting with Faculty Advisor: Every other week with Mor (To be scheduled)

Deliverables

* Working Android application
* Backend-server
* Front-end display on the big board
* Technical/functional documentation explaining key aspects of the app (for others to support/enhance)
* Pitch/final presentation

Work plan / Milestones

* Sept.
  + Talk to XX number of students to validate problem / ideate potential solution
* Oct.
  + Develop functional back-end
  + Wireframe/prototype UI for mobile app and display
* Nov.
  + Develop working app prototype including back-end
  + Draft technical documentation and pitch desk
* Dec.
  + Create version 1 / MVP
  + Pitch presentation

Success Metric

* 75% of app downloads by Cornell Tech students and faculty with Android phones
* # of check-ins and usage information
* Student survey post launch, that they have an easier time finding people on campus

Risk

* Technical: Ability for app to accurately report location of user when multiple beacon signals are received -> Mitigation: Putting this question on the build-board and seek help, Seeking advice from mentors
* Technical: Ability to build application and back-end server to support functionality -> Mitigation: MS students are taking an Android class “Building Startup Systems” that have some technical overlap.
* General: Are we solving the right student problem? -> Mitigation: We’ll interview Cornell Tech students regarding the issue to get ‘voice of customer’
* Scheduling: Given vastly varying class schedules, will the project we delayed? -> Mitigation: We’re planning to share calendars so we can see what potential conflicts are, we plan to also lock down a time to work together.
* Physical permission: Do we have permission to install beacons in the classroom? -> We’re going to ask Mor to confirm this is acceptable.