Date : March 4th, 2022

Attendance: Rob, Danny, Wiktor, Brian

Topic: Further architectural design, design and implementation of open route service api software, further requirements engineering, system modeling

Notes:

* Identified MVP - central repository (local or other database)
  + Chose repository architecture
    - Start with local file and read from that
      * Can graduate to the database afterward to allow future customers to adapt our software to model the system after their needs.
    - **To do** : Write software that parses out Danny’s location spreadsheet, make either 100 location objects or 100 passenger objects
* Google Distance Matrix API - paid service so it wont work
  + Open Route Service API , constraint < 500 queries per day
* Rob tested proof of concept code to work with open route service, takes in a longitude and latitude and spits out a distance in minutes.
  + **To do** : Fix code to utilize the many-many functions of ORS, this will reduce the daily queries.
* Danny started creating a data set of 40 locations from each campus on Rutgers New Brunswick.
  + **To do** : Write software testing code
* Identified MVP to be central repository architecture with software for pulling from repo and software for algorithm for system modeling.
* Moved towards meeting Tuesdays and Fridays at 10:00am, Wiktor will not be able to make it next week.