SE 6319 Group Meeting Document (Tuesday 2/5/2019)

Project Title: ???

Project Topic: GIS Location Analyzer

Programming Language: Python/Others

Environment: Anaconda (for Windows)

Libraries:

Project Structure

1. GIS data
   1. First, generate fake GIS location to test the data format and map;
   2. Second, find appropriate data online that could simulate real data that could be get from user’s mobile device.
   3. (TO BE CONTIUNED)
2. Data Analyzing Module (DAM)

Function\_1: Display GIS location on the map (DOT)

Function\_2: Connect multiple GIS locations on the map for certain user/users (LINE)

Function\_3: Generate polygons to represent clusters of multiple GIS locations. (AREA)

(TO BE CONTIUNED)

1. Display Module (DM)
   1. First, find a map library that could be easily used and represent the data correctly.
   2. Import the GIS data point into the map and display the points on the map.

(TO BE CONTIUNED)

Project Timeline:

First Week (2/5 – 2/12): Environment testing, find correct libraries and GIS data.

Second Week (2/12 – 2/18): DAM functionality design and detail the functions.

Third Week (2/18 – 2/25): DAM construction and merge

Fourth Week (2/18 – 2/25): Testing

(We also need to fill the information below…)

1. Problem statement:
2. System/user requirement (Functional requirements/Non-functional requirements):

(format)Function ID: system should display…

1. System Modeling
   1. Stakeholder
   2. Actors goals
   3. Usecase
   4. …
2. Architectural modeling
3. User Interface Specification