class Coordinates

State variables: double lat & double long

Coordinates(double lat, double long)

this.lat = lat; this.long = long;

getLat()

return this.lat;

getLong()

return this.long();

dist(Coordinates that)

return pythagorean distance between this and that

class Graph

State variables: int[] from; int[] to; string[] streetName; ***addressTo, addressFrom***, streetWeight

Graph()

initialize

add(Coordinate from, Coordinate to, double streetWeight)

add edge to the graph

shortestDist(int addressFrom, string streetNameFrom, int addressTo, string streetNameTo)

finds shortest route for these guys //THIS IS **HARD**, might say just declare this as a black box

class UserIO //implement assuming stdin and stdout, just need it to be able to give it lat, long, and num values, it returns the list of closest values

class ParkingSpot //need to talk about the way we do this module with allowing to sort by free vs paid vs otherwise