RoMoSo Rohan Ahammed, Clara Mohri, Soojin Choi APCS2 pd08 HW56 -- Orienting Your Up Goer 2018 - 05 - 31

UML Diagram

+ Station

Holds all the information for the station. Many of these stations put together will form the SubwayLine.

Instance Vars:

- String name
- String line
- double xcor
- double ycor
- String borough
- boolean visited

Constructor:

+ Station(String name, String borough, String line, double xcor, double ycor)

Accessors:

- + String getName()
- + String getLine()

+ SubwayLine

SubwayLine will contain a LinkedList which holds the Stations.

Instance Variables:

- String line
- LinkedList<Stations>_stops
- int minStops

Constructor:

+ SubwayLine(String line)

Methods

- + void add (Station x)
- + void get (int index)
- + Station search (int x)

+ SubwayMap (Driver Class)

SubwayMap will contain instances of the SubwayLines for each subway line.

Instance Variables:

- Station _departure
- Station destination
- int _minStops

Methods:

- void run()
- String findShortestTime(Station _departure, Station _destination, int current)