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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
- boolean terminus
- int borough
- int transfers
- Boolean visited

Constructor:

+ Station(String name, String name, double xcor, double ycor, boolean terinus, int borough)

Accessors:

- + String getName()
- + String getLine()
- + boolean isTerminus()

+ 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)