DatabaseParse

-LongJIndex: int=3
-LatJIndex: int=5

+getCoordinates(latLong : String) : double[ ]
+of(coordinates : double[ ]) : Location

Mongo Interface

-client: MongoClient
-LocationCollection: MongoCollection<Document>
-database: MongoDatabase

+getDocuments() : List<Document>
+main(args : String[ ]) : void

ORSfactory

+client : Client

+getDistance(query : String) : String
+getQuery(people : ArrayList<Person>) : String

Controller

-calculator: ORSfactory
-dbInter: DatabaseParse
-MongoInter: MongoInterface
-numPassengers: int=100
-Locations: ArrayList<Location>
-TargetMinutes: int=5
-maxQuerySize: int=5

+main(args : String[ ]) : void
+printPassengers(passengers : ArrayList<Passenger>) : void
+populatePassengers() : ArrayList<Passenger>
-parseResponse(string : String, numDriver : int) : double[ ]
-getClosest(durations : ArrayList<Double>, numDriver : int) : int

Location

-longitude: double
-latitude: double

+compareTo(o : Object) : int
+getLongitude() : double
+getLatitude() : double
+toString() : String

Person

#startLoc: Location
#type: String

+getType() : String
+getStartLoc() : Location

Passenger

-endLoc: Location
-travelTime: double

+getEndLoc() : Location
+toString() : String

Driver