

JUnit Testing Methods

Controller:

setup() – Should instantiate Graph *graph* as the map created from Parser

getCurrent() – Should instantiate Station *current* as the user input *removing whitespace and changing to lowercase* and loop through if Station does not exist

getDestination() – Should instantiate Station *destination* as the user input *removing whitespace and changing to lowercase* and loop through if Station does not exist

getExit() – Should return *true* if the user input is “no”, *false* if “yes”, and loop through if input is neither

getRoute() – ***not sure about this one right now***

Graph:

getRoute() – ***not sure about this one right now***

getEdges() – Should return an ArrayList<Track> containing all the Tracks of a given Station if the Station exists, and *null* if it doesn't

checkEdge() – Should return the Track that exists between two given Stations and *null* if no Track exists

getDegree() – Should return the number of Tracks connected to a given Station and -1 if the Station does not exist

getAdjacent() – Should return an ArrayList<Station> containing all Stations connected to a given Station and an empty ArrayList<Station> if the Station does not exist

checkNode() – Should return a Station if the given String matches the name of a Station and *null* if the String matches no stations

Parser:

loadFile() – Should return a Map<Station, ArrayList<Track>> containing the information of the given text file if the text file exists and is correctly formatted, and should return an empty Map if the file doesn't exist

Station:

getWeight() – Should return the weight of the Station

getID() – Should return the ID of the Station

getName() – Should return the name of the Station

Track:

getLeftNode() – Should return the ID of the inbound Station of the Track

getRightNode() – Should return the ID of the outbound Station of the Track

getWeight() – Should return the weight of the Track

UserView:

getCurrentNode() – Should return the user's input

getDestination() – Should return the user's input

getExit() – Should return the user's input

displayRoute() – ***not sure about this one right now***