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\*\*\*