

CLASS OF METHOD	METHOD BEING TESTES	INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT
Application	addStation	<p>For name:  "hello"  "27"  "Chicago"</p> <p>For wheelchair:  True (any case)  False (any case)  Yes (any case)  Y (any case)  N (any case)  No (any case)  Hello (any case)  Press Enter</p> <p>For Latitude:  "hello"  4000  50  90  -4000  92</p> <p>For Longitude:  "hello"  4000  50  180  -4000  186</p> <p>For Location:  Elevated  Subway  Surface  Embankment</p> <p>Inserts in between two stations.(on green line b/w harlem and oak park)  Inserts in between two stations.(on red line b/w 47th and Garfield)</p> <p>Adds station in between two stations on all lines</p> <p>Adds station at the end of line.(inserting a new</p>	<p>Is accepted  Is accepted  Is accepted</p> <p>Accepted  Accepted  Accepted  Accepted  Accepted  Accepted  Accepted  Reprompts  Reprompts</p> <p>Reprompts  Reprompts  Accepted  Accepted  Reprompts  Reprompts</p> <p>Reprompts  Reprompts  Accepted  Accepted  Reprompts  Reprompts</p> <p>Accepted  Accepted  Accepted  Accepted</p> <p>Should insert new station ahead of harlem and before oak park  Should insert in between two stations.(on red line b/w 47th and Garfield)</p> <p>Adds station in between on all lines</p> <p>The new station should be added at end of blue line</p>	<p>Is accepted  Is accepted  Is accepted</p> <p>Accepted  Accepted  Accepted  Accepted  Accepted  Accepted  Accepted  Reprompts  Reprompts</p> <p>Reprompts  Reprompts  Accepted  Accepted  Reprompts  Reprompts</p> <p>Reprompts  Reprompts  Accepted  Accepted  Reprompts  Reprompts</p> <p>Accepted  Accepted  Accepted  Accepted</p> <p>Inserts new station ahead of harlem and before oak park  Inserts the station before Garfield and after 47<sup>th</sup></p> <p>Adds station in between on all lines</p> <p>The new station successfully shows up on blue line at 33</p>

		station at end of blue line) Add a new station at end of red line  Add a station on start. Add a station at start of green line	New station should be added on 33 on red line  Should add the station on green line at 0	New station adds up on 33 in new line  Adds the station on green line at 0
Application	findNearestStation()	41.88678, -87.78462 41.77954, -87.64468	Ridgeland Halsted(exact coordinates)	Ridgeland Halsted
Application	deleteStation()	Harlem The station I mean is the choice 1 (checked by saving data back to file)	Station is removed	Station is removed
Application	createpath()	Harlem at option choice 0 (the green line one) to 47 <sup>th</sup> at option choice 0 (the green line one)  47 <sup>th</sup> at option choice 1 on red line to Clinton option choice 1 on blue line	No transfer should occur as on same line  Different lines a transfer should occur	No transfer occurs generates the path without any error  Generates a path with one transfer. 47 <sup>th</sup> to Jackson to Clinton. Without any error
Application	writeFileData()	No input	Should write the data back to file. If data is modified, added ,deleted the changes should be reflected in file.	Writes data to the file provided. I used my modifyData() method to modify harlem at green line and then called writeFileData the changes were reflected. Created a station and called writeFileData. New station written to file. Deleted 47 <sup>th</sup> at green line. Called writeFileData station was removed. Hence it works.
Application	searchStation()	Option choice 1. Name is Harlem  Option choice 2	Displays information for all harlem stations	Displays all 3 harlem stations to console screen

		Wheelchair access is True Wheelchair access is False  Option choice 3 Black  Red  Option choice 4 Line color red Wheelchair access true	Should display all stations with wheelchair Should display all stations without wheelchair Reprompts as no black line  Should display all stations on red line  Should display all stations on red line that have wheel chair access	Displays all stations with wheelchair  Displays all stations without wheelchair  Prints that no black line. Asks if user wishes to continue or not.  Displays all stations on red line  Displays all stations on red line that have wheel chair access
CtaCombined	extractRoutes()	No input	Should store all the route info from file add it to arrayList	Stores all the Routes data in ArrayList (can be verified by printing the arraylist contents)
CtaCombined	extractStations()	No input required	Should store all the station data from file to arraylist	Stores all the Stations data in ArrayList (can be verified by printing the arraylist contents)

CtaCombined	inBool()	"yes" in any case "true" in anycase "false" in any case "y" in any case "n" in any case "yup" 1	Passed Passed Passed Passed Passed Not passed Not passed	Passed Passed Passed Passed Passed Not passed Not passed
CtaCombined	integerInput()	"abcd" Hit enter key 2	Should be passed Should re prompt Should be passed	Passed Reprompts Passed
CtaCombined	inDouble	"abcd" 2.0 -3.4 Hit enter key	Should reprompt Should be passed Should be passed Should reprompt	Reprompts passed passed reprompt
Application	modifyStation()	New name for harlem on green line  Name,location,wheelchair, Latitude,longitude all changed for harlem on green line	Changes should be reflected  The changes should be reflected	When saved to file the name is changed in the file When saved to file the changes are there appending the old ones

Note: Specific input related issues like entering integer for a string input are pre checked and caught through the inBool,integerInput,inString,inDouble methods.