Black Box Test Plan: PayGap program

Test Files: salaries.csv, three_jobs.csv
The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C.

Test ID	Description	Expected Results	Actual Results
testNoCommandLineArgs Author: Dr. Balik	$java -cp bin PayGap	`Usage: java -cp bin PayGap filename`	`Usage: java -cp bin PayGap filename`
testTwoCommandLineArgs Author: Dr. Balik	$java -cp bin PayGap test-files/salaries.csv test-files/three_jobs.csv	`Usage: java -cp bin PayGap filename`	`Usage: java -cp bin PayGap filename`
testNonexistentFile Author: Dr. Balik	$ java -cp bin PayGap test-files/no_such_file.csv	`Unable to access input file: test-files/no_such_file.csv`	`Unable to access input file: test-files/no_such_file.csv`

testOptionMenu
 	
Author: Dr. Balik
	$ java -cp bin PayGap test-files/salaries.csv
	
	(Ctrl+C to stop execution)
		`Gender Pay Gap Information - Please enter an option below.`
		
		`D - Display all jobs`
		`J - Search by job`
		`S - Search by salary range`
		`P - Search by percentage`
		`Q - Quit the program`
		
		`Option:`
			`Gender Pay Gap Information - Please enter an option below.`
			
			`D - Display all jobs`
			`J - Search by job`
			`S - Search by salary range`
			`P - Search by percentage`
			`Q - Quit the program`
			
			`Option:`

testQuit Author: Dr. Balik	$ java -cp bin PayGap test-files/salaries.csv Menu is displayed Option: **q**	```Goodbye! Program exits```	```Goodbye! Program exits```
testInvalidOption Author: Dr. Balik	$ java -cp bin PayGap test-files/salaries.csv Menu is displayed Option: **quit** (Ctrl+C to stop execution)	```Invalid option```	```Invalid option```

testDisplayJobs
 	
Author: Dr. Balik
	$ java -cp bin PayGap test-files/three_jobs.csv
	
	Menu is displayed
	
	Option: **d**
	
	(Ctrl+C to stop execution)
		``
		                      Female Male
		Job Description Salary Salary
		--------------- ------ ------
		
		Butcher 34200 36575
		Baker 29800 30450
		Candlestick maker 34080 39896
		``
		(NOTE: spaces have been omitted)
			``
			                      Female Male
			Job Description Salary Salary
			--------------- ------ ------
			
			Butcher 34200 36575
			Baker 29800 30450
			Candlestick maker 34080 39896
			``
			(NOTE: spaces have been omitted)

testSearchByJob
 	
Author: Dr. Balik
	$ java -cp bin PayGap test-files/three_jobs.csv
	
	Menu is displayed
	
	Option: **J**
	Job (contains/is): **AKER**
	
	(Ctrl+C to stop execution)
		``
		                      Female Male
		Job Description Salary Salary
		--------------- ------ ------
		
		Baker 29800 30450
		Candlestick maker 34080 39896
		``
		(NOTE: spaces have been omitted)
			``
			                      Female Male
			Job Description Salary Salary
			--------------- ------ ------
			
			Baker 29800 30450
			Candlestick maker 34080 39896
			``
			(NOTE: spaces have been omitted)

testSearchBySalaryRangeZero
 	
Author: Selena Chen
	$ java -cp bin PayGap test-files/three_jobs.csv
	
	Menu is displayed
	
	Option: **s**
	Minimum salary: **0**
	Maximum salary: **0**
		``
		                      Female Male
		Job Description Salary Salary
		--------------- ------ ------
		``
		(NOTE: spaces have been omitted)
			``
			                      Female Male
			Job Description Salary Salary
			--------------- ------ ------
			``
			(NOTE: spaces have been omitted)

	(Ctrl+C to stop execution)		
testInvalidMaximumSearchBySalaryRange Author: Selena Chen	$ java -cp bin PayGap test-files/three_jobs.csv Menu is displayed Option: **S** Minimum salary: **0** Maximum salary: **-1** (Ctrl+C to stop execution)	Invalid value	Invalid value
testInvalidMinimumSearchBySalaryRange Author: Selena Chen	$ java -cp bin PayGap test-files/three_jobs.csv Menu is displayed Option: **S** Minimum salary: **-1** (Ctrl+C to stop execution)	Invalid value	Invalid value
testInvalidSearchBySalaryRange Author: Selena Chen	$ java -cp bin PayGap test-files/three_jobs.csv Menu is displayed Option: **S** Minimum salary: **92500** Maximum salary: **85000** (Ctrl+C to stop execution)	Invalid value	Invalid value
testInvalidInputSearchBySalaryRange Author: Selena Chen	$ java -cp bin PayGap test-files/three_jobs.csv Menu is displayed Option: **S** Minimum salary: **a** (Ctrl+C to stop execution)	Invalid value	Invalid value
testInvalidSearchByPercentage Author: Selena Chen	$ java -cp bin PayGap test-files/three_jobs.csv Menu is displayed	Invalid value	Invalid value

	Option: **P** Percentage (1-100): **a** (Ctrl+C to stop execution)		
testSearchByPercentageMinimumRange Author: Selena Chen	$ java -cp bin PayGap test-files/three_jobs.csv Menu is displayed Option: **P** Percentage (1-100): **0** (Ctrl+C to stop execution)	`Invalid value`	`Invalid value`
testSearchByPercentageMaximumRange Author: Selena Chen	$ java -cp bin PayGap test-files/three_jobs.csv Menu is displayed Option: **P** Percentage (1-100): **105** (Ctrl+C to stop execution)	`Invalid value`	`Invalid value`