Black Box Test Plan: AffordingRent program

Test Files: states.csv, three_states.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					
testNoCommandLineA rgs	\$java -cp bin AffordingRent	Usage: java -cp bin AffordingRent filename	Usage: java -cp bin AffordingRent filename					
Author: Dr. Balik								
testTwoCommandLine Args	\$java -cp bin AffordingRent test-files/states.csv test-files/three_states.csv	Usage: java -cp bin AffordingRent filename	Usage: java -cp bin AffordingRent filename					
Author: Dr. Balik								
testNonexistentFile Author: Dr. Balik	\$ java -cp bin AffordingRent 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	\$ java -cp bin AffordingRent test-files/states.csv	Affording Rent for Minimum Wage Workers - Please enter an option below.	Affording Rent for Minimum Wage Workers - Please enter an option below.					
Author: Dr. Balik	(Ctrl+C to stop execution)	D - Display all states S - Search by state M - Search by minimum wage range I - Search by income range Q - Quit the program Option:	 D - Display all states S - Search by state M - Search by minimum wage range I - Search by income range Q - Quit the program Option:					

testQuit	\$ java -cp bin AffordingRent test-files/states.csv	Goodbye!	Goodbye!					
Author: Dr. Balik	Menu is displayed	Program exits	Program exits					
	Option: q							
testInvalidOption	\$ java -cp bin AffordingRent test-files/states.csv	Invalid option	Invalid option					
Author: Dr. Balik	Menu is displayed							
	Option: quit							
	(Ctrl+C to stop execution)							
testDisplayStates	\$ java -cp bin AffordingRent test-files/three_states.csv	Minimum Monthly Rent Yearly Income Hours per Week State Wage for 2 BR Apt to Afford Rent to Afford Rent	Minimum Monthly Rent Yearly Income Hours per Week State Wage for 2 BR Apt to Afford Rent to Afford Rent					
Author: Dr. Balik	Menu is displayed	Idaho 7.25 739.50 29580 78.46 New York 9.00 1387.70 55508 118.61 Ohio 8.10 751.50 30060 71.37	Idaho 7.25 739.50 29580 78.46 New York 9.00 1387.70 55508 118.61 Ohio 8.10 751.50 30060 71.37					
	Option: d	(NOTE: spacing may be slightly off)	(NOTE: spacing may be slightly off)					
	(Ctrl+C to stop execution)							
testSearchByState	\$ java -cp bin AffordingRent test-files/states.csv	Minimum Monthly Rent Yearly Income Hours per Week State Wage for 2 BR Apt to Afford Rent to Afford Rent	Minimum Monthly Rent Yearly Income Hours per Week State Wage for 2 BR Apt to Afford Rent to Afford Rent					
Author: Dr. Balik	Menu is displayed	New Mexico 7.50 835.10 33404 85.65	New Mexico 7.50 835.10 33404 85.65					
	Option: S State name (starts with/is): new m	(NOTE: spacing may be slightly off)	(NOTE: spacing may be slightly off)					
	(Ctrl+C to stop execution)							
testSearchByMinWage MinInvaildValue	\$ java -cp bin AffordingRent test-files/states.csv	Invalid value	Invalid value					
Author: Jamea Speight	Menu is displayed							
Author. Jamea Speight	Option: m Minimum value: xyz							

	(Ctrl+C to stop execution)										
testSearchByMinWage MaxInvaildValue	\$ java -cp bin AffordingRent test-files/states.csv	Invaild v	alue				Invalid v	alue			
iviaxiiivalia value	Menu is displayed										
Author: Jamea Speight											
riamen samea speigne	Option: m										
	Minimum Value: 7.50										
	Maximum Value: jam										
	iviaxiiliuili value. jaili										
	(Ctrl+C to stop execution)										
testSearchByMinWage EnteredInterger	\$ java -cp bin AffordingRent test-files/states.csv	Invaild v	alue				Invaild v	alue			
Litteredifficiger	Menu is displayed										
Author: Jamea Speight											
Author: Jamea Speight	Option: m										
	1 .										
	Minimum Value: 750										
	(Ctrl+C to stop execution)										
	(Curre to stop exceduent)										
testSearchBvMinWage	\$ java -cp bin AffordingRent test-files/states.csv		Minimum	Monthly Rent	Yearly Income H	Hours per Week		Minimum	Monthly Rent	Yearly Income	Hours per Week
,	, , , , , , , , , , , , , , , , , , ,	State	Wage	for 2 BR Apt	to Afford Rent	to Afford	State	Wage	for 2 BR Apt	to Afford Rent	to Afford Rent
Author: Jamea Speight	Menu is displayed	Rent								25726	05.25
Addition. Jamea Speignt							Arizona Arkansas	8.05 8.00	893.15 689.30	35726 27572	85.35 66.28
	Option: m	Arizona	8.05	893.15	35726	85.35	Delaware	8.25	1128.45	45138	105.22
	1 ()()()() () ()			689.30	27572	66.28	Florida	8.05	1038.18	41527	99.20
		l Arkansas	8.00	003.30							
	Minimum Value: 7.50	Arkansas Delaware	8.00 8.25				Illinois			41567	96.89
			8.00 8.25 8.05	1128.45 1038.18	45138 41527	105.22 99.20	Illinois Maine	8.25 7.50	1039.18 886.32	41567 35453	96.89 90.91
	Minimum Value: 7.50	Delaware	8.25	1128.45	45138	105.22		8.25	1039.18		
	Minimum Value: 7.50	Delaware Florida	8.25 8.05	1128.45 1038.18	45138 41527	105.22 99.20	Maine	8.25 7.50	1039.18 886.32	35453	90.91
	Minimum Value: 7.50 Maximum Value: 8.25	Delaware Florida Illinois Maine Maryland	8.25 8.05 8.25 7.50 8.25	1128.45 1038.18 1039.18 886.32 1379.57	45138 41527 41567 35453 55183	105.22 99.20 96.89 90.91 128.63	Maine Maryland Missouri Montana	8.25 7.50 8.25 7.65 8.05	1039.18 886.32 1379.57 778.95 759.03	35453 55183 31158 30361	90.91 128.63 78.33 72.53
	Minimum Value: 7.50 Maximum Value: 8.25	Delaware Florida Illinois Maine Maryland Missouri	8.25 8.05 8.25 7.50 8.25 7.65	1128.45 1038.18 1039.18 886.32 1379.57 778.95	45138 41527 41567 35453 55183 31158	105.22 99.20 96.89 90.91 128.63 78.33	Maine Maryland Missouri Montana Nevada	8.25 7.50 8.25 7.65 8.05 8.25	1039.18 886.32 1379.57 778.95 759.03 949.68	35453 55183 31158 30361 37987	90.91 128.63 78.33 72.53 88.55
	Minimum Value: 7.50 Maximum Value: 8.25	Delaware Florida Illinois Maine Maryland Missouri Montana	8.25 8.05 8.25 7.50 8.25 7.65 8.05	1128.45 1038.18 1039.18 886.32 1379.57 778.95 759.03	45138 41527 41567 35453 55183 31158 30361	105.22 99.20 96.89 90.91 128.63 78.33 72.53	Maine Maryland Missouri Montana Nevada New Mexico	8.25 7.50 8.25 7.65 8.05 8.25 7.50	1039.18 886.32 1379.57 778.95 759.03 949.68 835.10	35453 55183 31158 30361 37987 33404	90.91 128.63 78.33 72.53 88.55 85.65
	Minimum Value: 7.50 Maximum Value: 8.25	Delaware Florida Illinois Maine Maryland Missouri Montana Nevada	8.25 8.05 8.25 7.50 8.25 7.65 8.05 8.25	1128.45 1038.18 1039.18 886.32 1379.57 778.95 759.03 949.68	45138 41527 41567 35453 55183 31158 30361 37987	105.22 99.20 96.89 90.91 128.63 78.33 72.53 88.55	Maine Maryland Missouri Montana Nevada	8.25 7.50 8.25 7.65 8.05 8.25	1039.18 886.32 1379.57 778.95 759.03 949.68	35453 55183 31158 30361 37987	90.91 128.63 78.33 72.53 88.55
	Minimum Value: 7.50 Maximum Value: 8.25	Delaware Florida Illinois Maine Maryland Missouri Montana	8.25 8.05 8.25 7.50 8.25 7.65 8.05	1128.45 1038.18 1039.18 886.32 1379.57 778.95 759.03	45138 41527 41567 35453 55183 31158 30361	105.22 99.20 96.89 90.91 128.63 78.33 72.53	Maine Maryland Missouri Montana Nevada New Mexico	8.25 7.50 8.25 7.65 8.05 8.25 7.50	1039.18 886.32 1379.57 778.95 759.03 949.68 835.10	35453 55183 31158 30361 37987 33404	90.91 128.63 78.33 72.53 88.55 85.65

testSearchByIncomeMi nInvaildValue Author: Jamea Speight	\$ java -cp bin AffordingRent test-files/states.csv Menu is displayed Option: i Minimum value: min (Ctrl+C to stop execution)	Invalid value Invalid value
testSearchByIncomeM axInvaildValue Author: Jamea Speight	\$ java -cp bin AffordingRent test-files/states.csv Menu is displayed Option: i Minimum Value: 134579 Maximum Value: max (Ctrl+C to stop execution)	Invalid value Invalid value
testSearchByIncomeEn teredDouble Author: Jamea Speight	\$ java -cp bin AffordingRent test-files/states.csv Menu is displayed Option: i Minimum Value: 134579 Maximum Value: 75500.98 (Ctrl+C to stop execution)	Invalid value Invalid value
testSearchByIncome Author: Jamea Speight	\$ java -cp bin AffordingRent test-files/states.csv Menu is displayed Option: i	Week State Wage for 2 BR Apt to Afford Rent to Afford Hours per Minimum Monthly Rent Yearly Income Hours per Week State Wage for 2 BR Apt to Afford Rent to Afford

Minimum Value: 20000	Arkansas	8.00	689.30	27572	66.28	Kentucky 7.25	732.97	29319	77.77
Maximum Value: 30000	Idaho	7.25	739.50	29580	78.46	Mississippi 7.25	731.70	29268	77.63
	Iowa	7.25	729.57	29183	77.41	Oklahoma 7.25	744.90	29796	79.03
	Kentucky	7.25	732.97	29319	77.77	South Dakota 8.5	715.78	28631	64.40
(Ctrl+C to stop execution)	Mississippi	7.25	731.70	29268	77.63	West Virginia 8.75	684.75	27390	60.20
	Oklahoma	7.25	744.90	29796	79.03				
	South Dakota	8.55	715.78	28631	64.40				
	West Virginia	8.75	684.75	27390	60.20				