## Whitebox Test: Validate()

		williebox rest. validate()	
Function: Validate()	Data	Expected Result	Description
Test08a	size = 0.25 weight = 200 struct point destination = {2,2}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see if valid shipment input with valid shipment size, SMALL_BOX_VOL, returns 1(all inputs are validated)
Test08b	size = 0.50 weight = 20 struct point destination = {18,8}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see if valid shipment input with valid shipment size, MED_BOX_VOL, returns 1(all inputs are validated)
Test08c	size = 1 weight = 20 struct point destination = {23,11}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see if valid shipment input with valid shipment size, LARGE_BOX_VOL, returns 1(all inputs are validated)
Test09a	size = 0.40 weight = 1 struct point destination = {22,22}	Invalid size	Test to see if invalid shipment size between SMALL_BOX_VOL and MED_BOX_VOL displays error message
Test09b	size = 0.9999999 weight = 90 struct point destination = {22,22}	Invalid size	Test to see if invalid shipment size 0.9999999(closest to valid size LARGE_BOX_VOL) displays error message
Test09c	size = 1.000000001 weight = 75 struct point destination = {1,21}	Invalid size	Test to see if invalid shipment size 1.00000001(closest to valid size LARGE_BOX_VOL) displays error message
Test09d	size = 0.251 weight = 30 struct point destination = {1,21}	Invalid size	Test to see if invalid shipment size 0.251(closest to valid size SMALL_BOX_VOL) displays error message
Test09e	size = 0.500000001 weight = 90 struct point destination = {22,22}	Invalid size	Test to see if invalid shipment size 0.50000001(closest to valid size MED_BOX_VOL) displays error message

Test09f	size = -0.25 weight = 30 struct point destination = {1,21}	Invalid size	Test to see if negative SMALL_BOX_VOL size displays error message
Test09g	size = -50 weight = 40 struct point destination = {1,21}	Invalid size	Test to see if negative MED_BOX_VOL size displays error message
Test10a	size = 0.5 weight = 999 struct point destination = {1,7}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see valid shipment weight is validated
Test10b	size = 0.25 weight = 2 struct point destination = {1,7}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see valid shipment weight is validated
Test10c	size = 0.50 weight = 1000.1 struct point destination = {1,7}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see valid shipment weight (1000.1) is validated
Test11a	size = 1 weight = -1000 struct point destination = {1,7}	Invalid weight (must be 1-1000 Kg.)	Test to see if invalid weight (negative max weight) displays the error message
Test11b	size = 0.25 weight = 0.9 struct point destination = {1,21}	Invalid weight (must be 1-1000 Kg.)	Test to see if invalid weight input (0.9) displays the error message
Test11c	size = 0.25 weight = ABXZ struct point destination = {1,21}	Invalid weight (must be 1-1000 Kg.)	Test to see if invalid weight input (not numbers) displays the error message
Test11d	size = 1 weight = -500 struct point destination = {1,7}	Invalid weight (must be 1-1000 Kg.)	Test to see if invalid weight input (-500) displays the error message

Test11e	size = 0.25 weight = 11111111111 struct point destination = {1,7}	Invalid weight (must be 1-1000 Kg.)	Test to see if invalid weight input displays the error message
Test12a	size = 0.25 weight = 30 struct point destination = {1,4}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see if valid destination input(1st point inside building) returns 1
Test12b	size = 1 weight = 500 struct point destination = {24,14}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see if valid destination input(last point inside building) returns 1
Test12c	size = 1 weight = 90 struct point destination = {2,10}	Return 1(all user inputs are validated and valid shipment is sent to the AssignTrucks function)	Test to see if valid destination input(point inside building) returns 1
Test13a	size = 0.50 weight = 200 struct point destination = {1,3}	Invalid destination	Test to see if invalid destination input (not inside building) displays error message
Test13b	size = 1 weight = 300 struct point destination = {25,25}	Invalid destination	Test to see if invalid destination input (max point but not inside building) displays error message
Test13c	size = 1 weight = 59 struct point destination = {-14, 20}	Invalid destination	Test to see if invalid destination column (point inside building but negative) displays error message
Test13d	size = 1 weight = 99 struct point destination = {B, 21}	Invalid destination	Test to see if invalid destination column (not number) displays error message
Test13e	size = 1 weight = 99 struct point destination = {14, -20}	Invalid destination	Test to see if invalid destination row (point inside building but negative) displays error message

Test13f	size = 1 weight = 99 struct point destination = {1, @}	Invalid destination	Test to see if invalid destination row (not number) displays error message
Test13g	size = 1 weight = 99 struct point destination = {13,10 }	Invalid destination	Test to see if invalid destination input (valid point but not inside building) displays error message
Test14	size = 0 weight = 0 struct point destination = {0, x}	Thank you for shipping with Seneca!	Test the exit code (0 0 x). The exit input must display the message (expected result) and terminate the program.