

CCPROG1 Term 1, AY 2021 – 2022

Test Script Document

Name	Samantha Nicole L. Caasi
Section	S16A

Test Scripts

There should be at least 3 distinct test classes (as indicated in the description) per function. There is no need to test functions which are only for screen design.

Function Name: getRandom()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	At Winterfell, Sweet Beet Price	nMin = 180 nMax = 200	180 - 200	180	P
2	At Lys, Intoxicating Perfume (Special) Price	nMin = 400 nMax = 450	400 – 450	429	P
3	At Myr, Myrish Eye (Special) Price	nMin = 600 nMax = 650	600 - 650	606	P
4	At Pentos, Timber Price	nMin = 280 nMax = 300	280 - 300	297	P
5	At Qohor, Pale Amber Wine	nMin = 580 nMax = 500	580 – 600	599	P

Function Name: displayTradingMenu()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	Print Winterfell's header for trading menu	nIntChoice = 1	WINTERFELL	WINTERFELL	P
2	Print Ly's header for trading menu	nIntChoice = 2	LYS	LYS	P
3	Print Myr's header for trading menu	nIntChoice = 3	MYR	MYR	P
4	Invalid header, nIntChoice is zero	nIntChoice = 0			P
5	Invalid header, nIntChoice is negative	nIntChoice = -1			P
6	Invalid header, nIntChoice is not within range	nIntChoice = 7			P

Function Name: choiceBuy()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	Buy 2 Sweet Beet at Myr	nDays = 15 nItemNo = 1 nQuantity = 2 nGD = 2000 nPrice = 386 nCap = 0 nMaxCap = 50	You bought (2) of this item. nGD = 1614 nCap = 2 nSB = 2	You bought (2) of this item. nGD = 1614 nCap = 2 nSB = 2	P
2	Buy without Golden Dragons	nDays = 15 nGD = 0 nCap = 0 nMaxCap = 50	You do not have any Golden Dragons.	You do not have any Golden Dragons.	P
3	Buy 3 Intricate Lace at Winterfell	nItemNo = 3 nQuantity = 3 nGD = 2000 nPrice = 3950	You have insufficient Golden Dragons.	You have insufficient Golden Dragons.	P
4	Buy with full capacity	nGD = 2000 nCap = 50 nMaxCap = 50	You do not have enough capacity.	You do not have enough capacity.	P

Function Name: isItemNoValid()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	Invalid item number, nItemNo is 0	nItemNo = 0	That is not a valid item number.	That is not a valid item number.	P
2	Invalid item number, nItemNo is negative	nItemNo = -1	That is not a valid item number.	That is not a valid item number.	P
3	Invalid item number, nItemNo is not within range	nItemNo = 9	That is not a valid item number.	That is not a valid item number.	P

Function Name: isValidQuantity()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	Invalid quantity, nQuantity is zero	nQuantity = 0	That is not a valid quantity.	That is not a valid quantity.	P
2	Invalid quantity, nQuantity is negative	nQuantity = -1	That is not a valid quantity.	That is not a valid quantity.	P
3	Valid quantity, nQuantity is greater than 0	nQuantity = 10			P

Function Name: choiceSell()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	Sell 2 Sweet Beet at Lys	nDays = 14 nGD = 1602 nItemNo = 1 nQuantity = 2 nCap = 2 nMaxCap = 50	Total: 196 Golden Dragons x 2 = 1994 Golden Dragons Sold (2) of this item. nGD = 1994 nCap = 0	Total: 196 Golden Dragons x 2 = 1994 Golden Dragons Sold (2) of this item. nGD = 1994 nCap = 0	P
2	Sell without any Valyrian Steel at Winterfell	nDays = 13 nGD = 1653 nItemNo = 1 nQuantity = 2 nCap = 3 nMaxCap = 50	You do not have any of this item.	You do not have any of this item.	P

3	Sell 3 Intricate Lace at Volantis	nDays = 13 nGD = 143 nCap = 3 nMaxCap = 50	Total: 382 Golden Dragons x 3 = 1146 Golden Dragons. Sold (3) of this item. nDays = 13 nGD = 143 nCap = 3 nMaxCap = 50	Total: 382 Golden Dragons x 3 = 1146 Golden Dragons. Sold (3) of this item. nDays = 13 nGD = 143 nCap = 3	P
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Function Name: choiceIronBank()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	Successful deposit	nIronBankChoice = 1 nGD = 2000 nDeposit = 1000	You have deposited 1000 Golden Dragons. nSavings = 1000 nGD = 1000	You have deposited 1000 Golden Dragons. nSavings = 1000 nGD = 1000	P
2	Withdrawing more than savings	nIronBankChoice = 2 nGD = 1000 nSavings = 1000 nWithdraw = 1001	You do not have enough bank balance.	You do not have enough bank balance.	P
3	Successful loan	nGD = 1000 nLoan = 100	You loaned 100 Golden Dragons. nGD = 1100 nDebt = 100	You loaned 100 Golden Dragons. nGD = 1100 nDebt = 100	
4	Pay debt	nGD = 1100 nDebt = 100 nPayBack = 200	You are paying more than your debt.	You are paying more	

				than your debt.	
5	Successful payback of debt	nGD = 1100 nDebt = 100 nPayBack = 99	You have paid back 99 Golden Dragons. nGD = 1001 nDebt = 1	You have paid back 99 Golden Dragons. nGD = 1001 nDebt = 1	

Function Name: displayMerchant()					
Test #	Test Description	Sample Input	Expected Result	Actual Result	P/F
1	Avail capacity upgrade, Yes choice	cMerchantChoice = 'Y'	The wheelhouse capacity is now 100.	The wheelhou se capacity is now 100.	P
2	Not avail capacity upgrade, No choice	cMerchantChoice = 'n'	Until we meet again.	Until we meet again.	P
3	Invalid character input	cMerchantChoice = 'a'	Please enter a valid choice.	Please enter a valid choice.	p