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TEST SCRIPT

There should be at least 3 categories (as indicated in the description) of test cases **per function**. There is no need to test functions which are only for screen design (i.e., no computations/processing; just printf).
ORANGE FONT is for explanation/ description.

Function	#	Description	Sample Input Data	Expected Output	Actual Output	P/F
MainMenu	1	Enters the option from the given choices	Choices: 1, 2, 3, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered choice	Enter Choice: 2 Then next menu of entered choice	P
	2	Enter the option outside of the given range	Choices: 1, 2, 3, 0 Entered Choice: 5	Enter Choice: 5 Xx INVALID INPUT xX (error message)	Enter Choice: 5 Xx INVALID INPUT xX (error message)	P
	3	Enters a character	Choices: 1, 2, 3, 0 Entered Choice: a	Enter Choice: a Xx INVALID INPUT xX (error message)	Enter Choice: a Xx INVALID INPUT xX (error message)	P
UserMenu	1	Enters the option from the given choices	Choices: 1, 2, 3, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered choice	Enter Choice: 2 Then next menu of entered choice	P
	2	Enter the option outside of the given range, more than the given range	Choices: 1, 2, 3, 0 Entered Choice: 10	Enter Choice: 10 (since I used a character it should only get the first character) Then next menu of entered choice (1)	Enter Choice: 10 Then next menu of entered choice	P
	3	Enter the option outside of the given range, less than the given range	Choices: 1, 2, 3, 0 Entered Choice: -1	Enter Choice: -1 Xx INVALID INPUT xX (error message)	Enter Choice: -1 Xx INVALID INPUT xX (error message)	P
SellMenu	1	Enters the option from the given choices	Choices: 1, 2, 3, 4, 5, 6, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered choice	Enter Choice: 2 Then next menu of entered choice	P
	2	Enter the option outside of the given range	Choices: 1, 2, 3, 4, 5, 6, 0 Entered Choice: -10	Enter Choice: -10 Xx INVALID INPUT xX (error message)	Enter Choice: -10 Xx INVALID INPUT xX (error message)	P
	3	Enters a character	Choices: 1, 2, 3, 4, 5, 6, 0 Entered Choice: a	Enter Choice: a Xx INVALID INPUT xX (error message)	Enter Choice: a Xx INVALID INPUT xX (error message)	P
editStock	1	Enters the option from the given choices	Choices: 1, 2, 3, 4, 5, 6, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered choice	Enter Choice: 2 Then next menu of entered choice	P
	2	Enter the option outside of the given range	Choices: 1, 2, 3, 4, 5, 6, 0 Entered Choice: 2a	Enter Choice: 2a (since I used char it should only get the first digit) Then next menu of entered choice (1)	Enter Choice: 2a Then next menu of entered choice (2)	P
	3	Enters a character	Choices: 1, 2,3,4,0 Entered Choice: a1	Enter Choice: a1 Xx INVALID INPUT xX (error message)	Enter Choice: a1 Xx INVALID INPUT xX (error message)	P
BuyMenu	1	Enters the option from the given choices	Choices: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0 Entered Choice: 4	Enter Choice: 4 Then next menu of entered choice	Enter Choice: 4 Then next menu of entered choice	P
	2	Enters the option outside of the given choice	Choices: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0 Entered Choice: -9	Enter Choice: -9 Xx INVALID INPUT xX (error message)	Enter Choice: -9 Xx INVALID INPUT xX (error message)	P
	3	Enters a 2 digit number	Choices: 1, 2, 3, 4, 5, 6, 7, 8, 9, 0	Enter Choice: 11	Enter Choice: 11	P

				Entered Choice: 11	(since I used a char it should only get the first digit) (continue to the next entered choice (1))	Then next menu of entered choice (1)	
showTransacMenu	1	Enters the option from the given choices		Choices: 1, 2, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered option	Enter Choice: 2 Then next menu of entered option	P
	2	Enters the option outside of the given choice		Choices: 1, 2, 0 Entered Choice: -5	Enter Choice: -5 Xx INVALID INPUT xX (error message)	Enter Choice: -5 Xx INVALID INPUT xX (error message)	P
	3	Enters a letter		Choices: 1, 2, 0 Entered Choice: z	Enter Choice: z Xx INVALID INPUT xX (error message)	Enter Choice: z Xx INVALID INPUT xX (error message)	P
editCart	1	Enters the option from the given choices		Choices: 1, 2, 3, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered choice	Enter Choice: 2 Then next menu of entered choice	P
	2	Enter the option outside of the given range, more than the given range		Choices: 1, 2, 3, 0 Entered Choice: 10	Enter Choice: 10 (since I used a character it should only get the first character) Then next menu of entered choice (1)	Enter Choice: 10 Then next menu of entered choice	P
	3	Enter the option outside of the given range, less than the given range		Choices: 1, 2, 3, 0 Entered Choice: -1	Enter Choice: -1 Xx INVALID INPUT xX (error message)	Enter Choice: -1 Xx INVALID INPUT xX (error message)	P
checkOut	1	Enters the option from the given choices		Choices: 1, 2, 3, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered choice	Enter Choice: 2 Then next menu of entered choice	P
	2	Enter the option outside of the given range		Choices: 1, 2, 3, 0 Entered Choice: 5	Enter Choice: 5 Xx INVALID INPUT xX (error message)	Enter Choice: 5 Xx INVALID INPUT xX (error message)	P
	3	Enters a character		Choices: 1, 2, 3, 0 Entered Choice: a	Enter Choice: a Xx INVALID INPUT xX (error message)	Enter Choice: a Xx INVALID INPUT xX (error message)	P
AdminMenu	1	Enters the option from the given choices		Choices: 1, 2, 3, 4, 5, 6, 7, 0 Entered Choice: 2	Enter Choice: 2 Then next menu of entered choice	Enter Choice: 2 Then next menu of entered choice	P
	2	Enter the option outside of the given range		Choices: 1, 2, 3, 4, 5, 6, 7, 0 Entered Choice: 5	Enter Choice: 5 Xx INVALID INPUT xX (error message)	Enter Choice: 5 Xx INVALID INPUT xX (error message)	P
	3	Enters a character		Choices: 1, 2, 3, 4, 5, 6, 7, 0 Entered Choice: a	Enter Choice: a Xx INVALID INPUT xX (error message)	Enter Choice: a Xx INVALID INPUT xX (error message)	P
Confirm	1	Enters the option from the given choices		Choice: [1] Confirm, [2] Re-enter, [0] Cancel Entered Choice: 1	Enter Choice: 1 (will go to the switch case of the function using it)	Enter Choice: 1 (will continue to the switch case)	P
	2	Enter the option outside of the given range		Choice: [1] Confirm, [2] Re-enter, [0] Cancel Entered Choice: 5	Enter Choice: 1 Xx INVALID CHOICE xX (error message)	Enter Choice: 1 Xx INVALID CHOICE xX (error message)	P
	3	Enter the option for cancel		Choice: [1] Confirm, [2] Re-enter, [0] Cancel	Enter Choice: a Xx INVALID CHOICE xX	Enter Choice: a Xx INVALID CHOICE xX	P

				Entered Choice: a	(error message)	(error message)	
checkUserID	1	If entered id is in the array of users	aUserData = 13, 15, 17, 2, 11 Entered user id: 17	Return: 1 (if found)	1	P
	2	If entered id is not in the array of users	aUserData = 13, 15, 17, 2, 11 Entered user id: 12	Return: -1 (if not found)	-1	P
	3	If entered id is has a letter	aUserData = 13, 15, 17, 2, 11 Entered user id: a13	Return: -1 (if not found)	-1	P
checkProductID	1	If entered product id is in the array of items	aItemData = 250, 99, 65, 13, 44 Entered product id: 13	Return: 1 (if found)	1	P
	2	If entered product id is not in the array of items	aItemData = 250, 99, 65, 13, 44 Entered product id: 55	Return: -1 (if not found)	-1	P
	3	If entered product id has a letter	aItemData = 250, 99, 65, 13, 44 Entered product id: a44	Return: -1 (if not found)	-1	P
checkCSellerID	1	If entered seller id is in the array of cart	aCartData = 333, 222, 111, 100 Entered seller id: 222	Return: 1 (if found)	1	P
	2	If entered seller id is not in the array of cart	aCartData = 333, 222, 111, 100 Entered seller id: 95	Return: 0 (if not found)	0	P
	3	If entered seller id is a negative number	aCartData = 333, 222, 111, 100 Entered seller id: -222	Return: 0 (if not found)	0	P
checkCProductID	1	If entered product id is in the array of cart	aCartData = 2, 5, 10, 12 Entered product id: 5	Return: 1 (if found)	1	P
	2	If entered seller id is not in the array of cart	aCartData = 2, 5, 10, 12 Entered product id: 11	Return: 0 (if not found)	0	P
	3	If entered seller id is a negative number	aCartData = 2, 5, 10, 12 Entered product id: -1	Return: 0 (if not found)	0	P
checkContact	1	Entered contact number is an integer	87000	return: -1 (if numerical)	-1	P
	2	Entered contact number is a string	afdffsdadsad	return: 1 (if found a letter)	1	P
	3	Entered contact number has a mix of integer and character	123sdasdasd	return: 1	1	P
Register	1	Entered information follows the correct and valid format	ID: 112 Password: hello Address: taft manila Contact Number: 9568452 Name: CCPROG	ID: 112 Password: hello Address: taft manila Contact Number: 9568452 Name: CCPROG	ID: 112 Password: hello Address: taft manila Contact Number: 9568452 Name: CCPROG	P
	2	If entered id is greater than the size of integer;	ID: 12345678901	ID: 12345678901	ID: 12345678901	P

	#	Description	Input	Expected Output	Actual Output	
		The length of password is greater than > 10; The contact number has a character	Password: 12345678901 Address: taft manila Contact Number: 95sds1254 Name: CCPROG	ID: (loop until valid input) Password: 12345678901 (error message) Password: Address: taft manila Contact Number: 95sds1254 (error message) Contact Number: Name: CCPROG	ID: 1 Password: 12345678901 (error message) Password: 56432 (valid input) Address: taft manila Contact Number: 95sds1254 (error message) Contact Number: 65421321 (valid input) Name: CCPROG	
	3	If entered id less than 0;	ID: -125	ID: 12345678901 ID: (loop)	ID: 12345678901 ID: (loop)	P
sortID	1	Integers in array are in increasing order	aUserData contains 10, 20, 30, 40, 50	10, 20, 30, 40, 50	10, 20, 30, 40, 50	P
	2	Integers in array are in decreasing order	aUserData contains 50, 40, 30, 20, 10	10, 20, 30, 40, 50	10, 20, 30, 40, 50	P
	3	Integers in array are in random order	aUserData = 30, 50, 20, 10, 40	10, 20, 30, 40, 50	10, 20, 30, 40, 50	P
Log_In	1	If the entered information exists in the array of users	ID: 123 Password: A123456	ID: 123 Password: A123456	ID: 123 Password: A123456	P
	2	If the entered id doesn't exist in the array of users	ID: 105 Password: A123456	ID: 105 Password: A123456 Xx LOG IN ERROR xX (error message)	ID: 105 Password: A123456 Xx LOG IN ERROR xX (error message)	P
	3	If entered password is incorrect	ID: 123 Password: A123456zz	ID: 123 Password: A123456zz Xx LOG IN ERROR xX (error message)	ID: 123 Password: A123456zz Xx LOG IN ERROR xX (error message)	P
addItem	1	If entered information follows the correct format	ID: 2 Name: boyfriend jeans Category: clothing Description: color blue Quantity: 2 Price: 500	ID: 2 Name: boyfriend jeans Category: clothing Description: color blue Quantity: 2 Price: 500	ID: 2 Name: boyfriend jeans Category: clothing Description: color blue Quantity: 2 Price: 500	P
	2	If entered id is greater than the size of integer; The quantity is < 0; The price is < 0;	ID: 12345678901 Name: boyfriend jeans Category: clothing Description: color blue Quantity: -2 Price: -1	ID: 12345678901 ID: (loop until greater than 0) 2 Name: boyfriend jeans Category: clothing Description: color blue Quantity: -2 Quantity: (loop until greater than -1) 10 Price: -1 Price: (loop until greater than -1) 22	ID: 12345678901 ID: (loop until greater than 0) 2 Name: boyfriend jeans Category: clothing Description: color blue Quantity: -2 Quantity: (loop until greater than -1) 10 Price: -1 Price: (loop until greater than -1) 22	P
	3	If entered id is a negative number	ID: -2	ID: -2 ID: (loop until greater than 0)	ID: -2 ID: (loop)	P

sellBag20	1	Integers in the array aItemData are already in increasing order	aItemData = 1, 5, 12, 16, 29, 30 Sellers' Item = 5, 16	Array of sellers' bag: 5, 16	Array of sellers' bag: 5, 16	P
	2	Integers in the array aItemData are already in decreasing order	aItemData = 30, 29, 16, 12, 5, 1 Array of sellers' bag: = 5, 16	Array of sellers' bag: 16, 5	Array of sellers' bag: 16, 5	P
	3	Integers in the array aItemData are already in random order	aItemData = 1, 30, 12, 16, 5 Array of sellers' bag: = 5, 16	Array of sellers' bag: 16, 5	Array of sellers' bag: 16, 5	P
sortProducts	1	Integers in array are in increasing order	aItemData contains 1, 3, 5, 7, 11	1, 3, 5, 7, 11	1, 3, 5, 7, 11	P
	2	Integers in array are in decreasinh order	aItemData contains 11, 7, 5, 3, 1	1, 3, 5, 7, 11	1, 3, 5, 7, 11	P
	3	Integers in array are in random order	aItemData contains 1, 11, 7, 5, 3	1, 3, 5, 7, 11	1, 3, 5, 7, 11	P
Replenish_Reduce	1	Entered value is a positive integer (replenish)	Entered value: 100	Enter value: 100	Enter value: 100	P
	2	Entered value is a negative integer (replenish and reduce)	Entered value: -100	Enter value: -100 Enter value: (loop until entered value > 0)	Enter value: -100 Enter value: (loop until entered value > 0)	P
	3	Entered value is greater than the available quantity (reduce)	Available quantity: 15 Entered value: 20	Enter value: 20 Enter value: (loop until entered value is less than the available quantity)	Enter value: 20 Enter value: (loop until entered value is less than the available quantity)	P
changePrice	1	Entered value is a positive integer	Entered value: 246	Enter value: 246 (will store to the structure of items)	Enter value: 246 (will store to the structure of items)	P
	2	Entered value is a positive float	Entered value: 246.3	Enter value: 246.3 (will store to the structure of items)	Enter value: 246.3 (will store to the structure of items)	P
	3	Entered value is less than 0	Entered value: -5	Entered value: -5 Enter value: (will loop until positive input)	Entered value: -5 Enter value: (will loop until positive input)	P
changeName	1	Entered name is a number	Entered New Name: 65421215	Enter New Name: 65421215 (will change the name of the item in the array)	Enter New Name: 65421215 (will change the name of the item in the array)	P
	2	Entered name is a string	Entered New Name: fountain pen	Enter New Name: fountain pen (will change the name of the item in the array)	Enter New Name: fountain pen (will change the name of the item in the array)	P
	3	Entered name is greater than the max limit of the string which is MAX20 <- in which I added 5 extra spaces	Entered New Name: 654asd2132d	Enter New Name: 654asd2132d (will change the name of the item in the array)	Enter New Name: 654asd2132d (will change the name of the item in the array)	P
addDiscount	1	Entered value is a positive integer	Entered value: 5	Enter value: 5 (will apply the entered value to the items)	Enter value: 5 (will apply the entered value to the items)	P
	2	Entered value is a positive float	Entered value: 50.5	Enter value: 50.5 (will apply the entered value to the items)	Enter value: 50.5 (will apply the entered value to the items)	P

	3	Entered value is less than 0	Entered value: -5	Enter value: (will loop until positive input)	Enter value: (loop)	P
removeDiscount	1	Entered value is between the options	Choices: [1] Yes, [2] No Entered Value: 1	Enter: [1] Yes, [2] No Entered Value: 1	Enter: [1] Yes, [2] No Entered Value: 1	P
	2	Entered values is not from the given options	Choices: [1] Yes, [2] No Entered Value: 3	Enter: [1] Yes, [2] No Entered Value: 3 (error message) Enter: [1] Yes, [2] No Entered Value: (loop until valid input)	Enter: [1] Yes, [2] No Entered Value: 3 (error message) Enter: [1] Yes, [2] No Entered Value: (loop until valid input)	P
	3	Entered value is a character	Choices: [1] Yes, [2] No Entered Value: a	Enter: [1] Yes, [2] No Entered Value: a (error message) Enter: [1] Yes, [2] No Entered Value: (loop until valid input)	Enter: [1] Yes, [2] No Entered Value: a (error message) Enter: [1] Yes, [2] No Entered Value: (loop until valid input)	P
enterPID	1	Entered id is in the array list of items sorted	List of items in the array: 12, 22, 33, 55 Entered Id: 33	Enter Id: 12 (will continue the function that called enterPID)	Entered Id: 12 (will continue the function that called enterPID)	P
	2	Entered id is in the array list of items is not sorted	List of items in the array: 12, 33, 22, 55 Entered Id: 33	Enter Id: 12 (will continue the function that called enterPID)	Enter Id: 12 (will continue the function that called enterPID)	P
	3	Entered id is not in the array list of items	List of items in the array: 12, 33, 22, 55 Entered Id: 36	Enter Id: 36 Xx PRODUCT ID NOT FOUND xX (error message)	Enter Id: 36 Xx PRODUCT ID NOT FOUND xX (error message)	P
specificSeller	1	Entered seller id the current user id w/ items to sell	List of sellers in the array: 22, 56, 123 Entered Seller Id: 22	Search Seller ID = 22 Xx GO TO SELL MENU TO CHECK YOUR ITEMS xX (error message)	Search Seller ID = 22 Xx GO TO SELL MENU TO CHECK YOUR ITEMS xX (error message)	P
	2	Entered seller id is the current user id without selling any items	List of sellers in the array: 123, 22, 56 Entered Seller Id: 35	Search Seller ID = 35 Xx SELLER ID NOT FOUND xX (error message)	Search Seller ID = 35 Xx SELLER ID NOT FOUND xX (error message)	P
	3	Entered seller id is not in the array	List of sellers in the array: 123, 35, 22, 56 Entered Seller Id: 100	Search Seller ID = 100 Xx SELLER ID NOT FOUND xX (error message)	Search Seller ID = 100 Xx SELLER ID NOT FOUND xX (error message)	P
searchCategory	1	Entered category can be found in the array list	Search Product Category: fashion	Search Product Category: fashion (will display all items under the category)	Search Product Category: fashion (will display all items under the category)	P
	2	Entered category cannot be found in the array list	Search Product Category: pants	Search Product Category: pants Xx PRODUCT CATEGORY NOT FOUND xX (error message)	Search Product Category: pants Xx PRODUCT CATEGORY NOT FOUND xX (error message)	P

	3	Entered category is a substring	Search Product Category: fash	Search Product Category: fash Xx PRODUCT CATEGORY NOT FOUND xX (error message)	Search Product Category: fash Xx PRODUCT CATEGORY NOT FOUND xX (error message)	P
searchName						
	1	Entered name is lowercase	List of items: belt, face mask, Iphone10, ipad, iphone X, calculator Entered Name: iphone10	Enter Name: iphone10 Display information of Iphone 10	Enter Name: iphone10 Display information of Iphone 10	P
	2	Entered name is uppercase	List of items: belt, face mask, iphone10, ipad, iphone X, calculator Entered Name: IPHONE10	Enter Name: IPHONE10 Display information of Iphone 10	Enter Name: IPHONE10 Display information of Iphone 10	P
	3	Entered name is a substring	List of items: belt, face mask, iphone10, ipad, iphone X, calculator Entered Name: iPhOnE	Enter Name: iPhOnE Display information: iphone 10 & iphone X	Enter Name: iPhOnE Display information: iphone 10 & iphone X	P
addCart						
	1	Entered items is valid information	Item Information: ID: 520 Qty: 10 Entered ID: 520 Entered Qty: 5	Enter ID: 520 Enter Qty: 5 (confirmation message)	Enter ID: 520 Enter Qty: 5 (confirmation message)	P
	2	Entered id is not found in cart	Item Information: ID: 520 Qty: 10 Entered ID: 123 Entered Qty: 5	Enter ID: 123 Xx PRODUCT ID NOT FOUND xX (error message)	Entered ID: 123 Xx PRODUCT ID NOT FOUND xX (error message)	P
	3	Entered qty is greater than the available qty	Item Information: ID: 520 Qty: 10 Entered ID: 520 Entered Qty: 21	Enter ID: 520 Enter Qty: 21 Xx INVALID QUANTITY xX (error message)	Enter ID: 520 Enter Qty: 21 Xx INVALID QUANTITY xX (error message)	P
roundUp	1	If the total of the item is a whole number	Price: 100	Price: 100	Price: 100	P
	2	If the total of the item is a float that doesn't need to round up	Price: 100.251	Price: 100.25	Price: 100.25	P
	3	If the total of the item is a float that needs to round up	Price: 100.259	Price: 100.26	Price: 100.26	P
removeSeller	1	Entered seller is found in the users' list of cart items	List of seller id in the users' cart: 55, 100, 1, 2 Entered Seller ID: 100	Enter Seller ID: 100 List of seller id in the users' cart: 55, 1, 2 (will update the array of the users' cart)	Enter Seller ID: 100 List of seller id in the users' cart: 55, 1, 2 (will update the array of the users' cart)	P

	2	Entered seller is not found in the users' list of cart items	List of seller id in the users' cart: 55, 100, 1, 2 Entered Seller ID: 10 Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	List of seller id in the users' cart: 55, 100, 1, 2 Entered Seller ID: 10 Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	List of seller id in the users' cart: 55, 100, 1, 2 Entered Seller ID: 10 Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	P
	3	Entered seller is a character	List of seller id in the users' cart: 55, 100, 1, 2 Entered Seller ID: a Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	List of seller id in the users' cart: 55, 100, 1, 2 Entered Seller ID: a Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	List of seller id in the users' cart: 55, 100, 1, 2 Entered Seller ID: a Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	P
removeItem	1	Entered seller is found in the users' list of cart items (increasing order)	List: 1, 3, 5, 7, 11 Entered Product ID: 3	Enter Product ID: 3 List: 1, 5, 7, 11	Enter Product ID: 3 List: 1, 5, 7, 11	P
	2	Entered seller is found in the users' list of cart items (decreasing order)	List: 11, 7, 5, 3, 1 Entered Product ID: 3	Enter Product ID: 3 List: 11, 7, 5, 1	Enter Product ID: 3 List: 11, 7, 5, 1	P
	3	Entered seller is not found in the users' list of cart items	List: 1, 7, 11, 55 Entered Product ID: 22	Enter Product ID: 22 Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	Enter Product ID: 22 Xx SORRY, PRODUCT ID NOT FOUND xX (error message)	P
editQty	1	Entered quantity is a positive integer	Entered value: 100	Enter value: 100	Enter value: 100	P
	2	Entered quantity is a negative integer	Entered value: -100	Enter value: -100 Enter value: (loop until valid input)	Enter value: -100 Enter value: (loop until positive integer)	P
	3	Entered quantity is 0	Entered value: 0	Entered value: 0 (Proceed to confirmation message)	Entered value: 0 (Proceed to confirmation message)	P
getDate	1	Month entered is between 1-12, date 1-30 which depends on the month and year	Entered Month: 4 Entered Day: 19 Entered Year: 2020	Enter Month: 4 Enter Day: 19 Enter Year: 2020 (will store to the transaction date)	Entered Month: 4 Entered Day: 19 Entered Year: 2020 (will store to the transaction date)	P
	2	Month entered is not between 1-12, date 1-30 which depends on the month and year is a positive integer	Entered Month: 13 Entered Day: 4 Entered Year: 2020 & Entered Month: -1 Entered Day: 4 Entered Year: 2020	Enter Month: 13 Enter Day: 4 Enter Year: 2020 (will loop again until valid input) Enter Month: -1 Enter Day: 4 Enter Year: 2020 (will loop again until valid input)	Enter Month: 13 Enter Day: 4 Enter Year: 2020 (will loop again until valid input) Enter Month: -1 Enter Day: 4 Enter Year: 2020 (will loop again until valid input)	P
	3	Entered date is not between 1-30 and the month of February depends on the leap year	Entered Month: 13 Entered Day: 36 Entered Year: 2020 & Entered Month: 2	Entered Month: 13 Entered Day: 36 Entered Year: 2020 (will loop again until valid input) Entered Month: 2	Entered Month: 13 Entered Day: 36 Entered Year: 2020 (will loop again until valid input) Entered Month: 2	P

				Entered Day: 30 Entered Year: 2020	Entered Day: 30 Entered Year: 2020 (will loop again until valid input)	Entered Day: 30 Entered Year: 2020 (will loop again until valid input)	
sortDate	1		Integers in array are in increasing order	aTransacData contains the date of 4/19/2020, 4/20/2020, 4/21/2020	4/19/2020, 4/20/2020, 4/21/2020	4/19/2020, 4/20/2020, 4/21/2020	P
	2		Integers in array are in decreasing order	TransacData contains the date of 4/21/2020, 4/20/2020, 4/19/2020	4/19/2020, 4/20/2020, 4/21/2020	4/19/2020, 4/20/2020, 4/21/2020	P
	3		Integers in array are in random order	TransacData contains the date of 4/20/2020, 4/21/2020, 4/19/2020	4/19/2020, 4/20/2020, 4/21/2020	4/19/2020, 4/20/2020, 4/21/2020	P
transacSeller	1		Entered seller id is found in the users' list of cart for the function transaction of specific seller	Seller id: 100, 125, 160 / Prod. id: 200, 91, 15 / qty: 25, 0, 60 Entered Seller Id: 100	Enter Seller ID: 100 (it will transact all items under seller 100) (it will also remove those items from the users' cart and update seller 100 qty of the item)	Enter Seller ID: 100 (it will transact all items under seller 100) (it will also remove those items from the users' cart and update seller 100 qty of the item)	P
	2		Entered seller id is not found in the users' list of cart for the function transaction of specific seller	Seller id: 100, 125, 160 / Prod. id: 200, 91, 15 / qty: 25, 0, 60 Entered Seller Id: 5	Enter Seller ID: 5 (item will not be transacted) (will return to the transact option)	Enter Seller ID: 5 (item will not be transacted) (will return to the transact option)	P
	3		Entered seller id has a product in the cart with 0 quantity	Seller id: 100, 125, 160 / Prod. id: 200, 91, 15 / qty: 25, 0, 60 Entered Seller Id: 125	Enter Seller ID: 125 (will return to the transact option) (will not be checked out since item qty is 0)	Enter Seller ID: 125 (will return to the transact option) (will not be checked out since item qty is 0)	P
transacItem	1		Entered product id is found in the users' list of cart items for the function transaction of specific item	Seller id: 100, 125, 160 / Prod. id: 33, 55, 45 / qty: 22, 10, 0 Entered Product Id: 33	Enter Product ID: 33 (it will transact the entered product id) (it will also remove those items from the users' cart and update the quantity from the list of items)	Enter Product ID: 33 (it will transact the entered product id) (it will also remove those items from the users' cart and update the quantity from the list of items)	P
	2		Entered product id is not found in the users' list of cart items for the function transaction of specific item	Seller id: 100, 125, 160 / Prod. id: 33, 55, 45 / qty: 22, 10, 0 Entered Product Id: 6	Enter Product ID: 6 Xx PRODUCT ID NOT FOUND xX (error message)	Enter Product ID: 6 Xx PRODUCT ID NOT FOUND xX (error message)	P
	3		Entered product id has a 0 quantity in the cart	Seller id: 100, 125, 160 / Prod. id: 33, 55, 45 / qty: 22, 10, 0 Entered Product Id: 45	Enter Product ID: 45 (item will not be transacted) (will return to the transact option)	Enter Product ID: 45 (item will not be transacted) (will return to the transact option)	P