CHASHIER C++ PROJECT

DO NOT DELETE:

rcN.txt

ItemSelected.txt

ItemList.txt

MenuOption function prints on scree welcome message and inform the used two option, check out system or add new item. The function uses the gotoXY function which allows the use user to use the keyboard arrows to select an option.

CheckingList function allows to verify the tot of the items in the itinerary listfile.txt before starting the scan of the items or insert a new item.

InvoiceCount function, allows to calculate the number of invoices already generated, the file rcN.txt file keeps track of the number of previous purchases, therefore even if the program is closed, the track of the invoices number will keep with the line when the program will be reopened again. The Nerc int variable is used to make the invoice count in the rcN.txt, then passed to int receipt in order to print the invoice number with the item selected text file.

Finsert function scan the items using the product ID. An error message is printed if ID does not exist in the list, if the user types ‘f’ the scan system is interrupted and prints on screen the total price and also it prints the items selected with receipt number in the itemSelected.txt file required for the invoice.

Tprice function calculates the price input and prints the change. A check system is in place to verify until the price inserted match or exceed the total amount scanned. (price data input check is in place in case user types a non-number on the keyboard)

Invoice function automatically will be generating an invoice in the folder with the invoice number as title, if the user types ‘y’, the file opens automatically on screen. The function allows to take the receipt number and item selected form the selectedIitems.txt file as string data type, which allows to implement the invoice number in file name for each invoice.

Option to continue with another customer if user type y.

gotoXY function A user-friendly output on the screen using the function gotoXY which allows to print on screen in the designed areas.

# NewItems function

Allows the used to add a new item, check are in place to verify if the procut arealdy exist, once the product is added a message of aknowlgment is printment. After this function the program is closed, however the item is attended to the list and can be used for the next purchase

Features of the “add new item to the list”:

The program uses the function gotoXY to print information in the designated area.

Using the checklist function for the itinerary listfile.txt check the items before the new item ID is inserted.

A loop to verify the item ID is in place in case the item ID already exist, if it does exist the program prints error and allows the user to insert again the ID. In case the ID does not exist, the program requires from the user further details about the item, once it has been processed, the system prints on screen the confirmation of the item successfully added to the itinerary itemlist.txt

Once the add new item function is closed, the program is closed. Once the program is opened and the user selects the checkout system, the new item previously added can be used.