

Inventory

For this assignment you'll write a program using functions to read information from a file to use it in your program to output other information to an output file.

The assignment problem:

You are asked to develop an application to help an Inventory to keep track of their products (electronics and office supplies). Your application will read input from one input file (Office.txt) and output a file "Summary.txt" that will have a summary for products and output them organized (Electronics supply, office supply).

To implement this application, you will need to read information from "Office.txt" file in the following format and then provide user with following menu:

- Information in "Office.txt" is in the following format:
 1. 'E' for electronics or 'O' for office.
 2. Quantity of each product available in inventory.
 3. Name of product.
 4. Price for each product.
- Inventory menu:
 1. Option 1: Output Electronics Supplies to the screen with the total cost of all electronic products.
 2. Option 2: Output Office Supplies to the screen with the total cost of all office products.
 3. Option 3: Output Electronics and Office Supplies to "Summary.txt" with total cost of all electronics supplies and total cost of all office supplies.
 4. Option 4: Quit
- Sample of the output "In case user chose option 1":

```
E          laptop      Quantity: 5    price/piece: $ 1200    Total: $6000
E          flashdrive   Quantity: 500    price/piece: $ 7.5    Total: $3750
E          portablecharger Quantity: 40    price/piece: $ 32    Total: $1280
E          heater       Quantity: 35    price/piece: $ 58    Total: $2030
-----
Total price for Electronics in Inventory: $ 13060
-----
```

- Sample of "Summary.txt" in case user chose option 3:

summary.txt - Notepad

File Edit Format View Help

E	laptop	Quantity: 5	price/piece: \$ 1200	Total: \$6000
E	flashdrive	Quantity: 500	price/piece: \$ 7.5	Total: \$3750
E	portablecharger	Quantity: 40	price/piece: \$ 32	Total: \$1280
E	heater	Quantity: 35	price/piece: \$ 58	Total: \$2030

Total price for Electronics in Inventory: \$ 13060

O	staplers	Quantity: 100	price/piece: \$ 6	Total: \$600
O	binder	Quantity: 250	price/piece: \$ 5.15	Total: \$1287.5
O	computerdesk	Quantity: 10	price/piece: \$ 189	Total: \$1890
O	deskmat	Quantity: 150	price/piece: \$ 33	Total: \$4950

Total price for Office Supplies in Inventory: \$ 8727.5

Submission:

- Zip up your entire project folder and submit the zip file to Canvas by the deadline.