

Software Development C20054

DEADLINE: Monday December 8th, 2014

ASSIGNMENT : 30 %

You are required to design a software application which allows customers order up to 10 digital cameras. The program should have a login form for security purposes with username=csn and password=csn to access the main form. This form should display the current date, time and username. The main form should also contain the following: a combo for manufacturer (Dell, Nokia or Sony), radio buttons for resolution (8, 10 or 12 megapixels), radio buttons for size of memory card (16 or 36 Gb), radio buttons for digital zoom(4 or 5 x), textbox for quantity ordered (1, 2, 3, etc). Your program must have a menu bar and suitable colour scheme with graphics used to enhance the application.

The program should perform the following:-

- 1 Set the OrderID to 1 for the first order and increment each order by 1 for subsequent orders
- 2 Calculate the Unit Cost based on all cameras costing €200 for the basic model with additional costs as follows:-

Resolution(8 add €20, 10 add €35, 12 add €50), memory(16 add €25,36=€40), digital zoom(4x add €40, 5x add €55)

OrderID	Manufacturer	Resolution	Memory	Zoom	Quantity	Unit Cost	Total Cost
1	Nokia	12	8	4	3		

- 3 Calculate the Total Cost using a function which should multiply the Unit Cost by Quantity
- 4 The program should be able to sort the orders in descending order of Unit Cost
- 5 Display all data entered, calculated and sorted for the user on the main form

Marking Scheme

Menu bar	3
Colour scheme and graphics	5
Commenting	3
Objects, variables, etc suitably named	4
Effective use of source code	5
Screenshots of each working stage of software	4
Algorithm	2
Input - process - output chart	2
Memory required	2

IMPORTANT: A copy of the folder containing all electronic files and all printouts showing evidence in accordance with the marking scheme above must be given to your teacher in class on or before this deadline.

DECLARATION: I _____, confirm that this is my original work

Signed: _____

Date _____