

Programme	Diploma in Information Technology
Module	Programming 1B
Module Code	PRG120
NQF Level	6
Credits	10
Assessment Type	Group Assignment
Semester	2 nd
Due Date	30 August 2024
Total marks	100
Pass mark	50%
Weighting	15%
Examiner	Mr Ebrahim Mahomed
Moderator	Mr J Mwabura

This question paper consists of **2** pages including the cover page.

INSTRUCTIONS:

Read the following instructions CAREFULLY:

1. Your assignment should be typed – Arial font 12; 1.5 spacing; Justified (ctrl + J))
2. Use the Harvard method of referencing.
3. **You must consult at least four different sources or preferably journals for adequate referencing.**
4. Assignments must be presented in the correct format. Marks will be awarded in conjunction with contents for overall presentation as per marking rubric.
5. Ensure that your name and the name of your campus are clearly indicated on the cover page of your assignment.
6. Keep photocopies of all assignments handed in.
7. Plagiarism and copying of assignments will result in the default mark 0% being awarded. This is also a punishable offence, which will lead to a disciplinary action.
8. It is in your own interest to present your work neatly.

DECLARATION OF AUTHENTICITY

I, the undersigned declare that:

I understand what plagiarism is and are aware of the Damelin's policy in this regard.

The work hereby submitted is my original work, gathered and utilised to fulfil the requirements of this assignment except for source material explicitly acknowledged.

I have not used work previously produced by another student or any other persons to hand in as my own.

I have not allowed, and will not allow, anyone to copy my work with the intention of passing it off as their own work.

Signature of Student

Date

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QUESTION 1 (100 marks)

Customer Records Management System

Create a Visual Basic program that allows users to input and save customer details into a text file. Each record should include the customer's name, surname, age, occupation, location, and the date when the record was created. The program should also be able to read and display the saved records.

Requirements

- 1.1 A form with textboxes for entering customer details: Name, Surname, Age, Occupation, and Location. (5)
- 1.2 Buttons for saving the details to a text file and for reading/displaying the saved records. (5)
- 1.3 A listbox or textbox or Rich textbox to display the saved records. (5)
- 1.4 Save customer details to a text file without overwriting customer detail that already exist. (10)
- 1.5 Include the current date and time when saving each record. (10)
- 1.6 Read and display the saved records from the text file. (5)
- 1.7 Button to create a backup copy of the textfile into Another directory. (5)
- 1.8 Extensive use of the try catch block in your code. (5)

Presentation

- 1.9 Online presentation of your application and your source code. (30)
- 1.10 Group member contribution. (5)
- 1.11 Documentation (5)
- 1.13 Wow factor (10)

Rules

- a) Use if statements, loops and arrays in your code.
- c) Include a clear button and an exit button.