

**DESIGN OF A PYTHON PROGRAMMING APPLICATION
FOR “ _____ ”**



A CAPSTONE PROJECT DOCUMENTATION

**Presented to
the College of Engineering and Architecture of
Mapúa Malayan Colleges Mindanao Gen.
Douglas MacArthur Highway, Davao City**

**In Partial Fulfillment
of the Requirements for the Course of
CPE002L COMPUTER FUNDAMENTALS AND
PROGRAMMING 1 LABORATORY**

LIST OF GROUP MEMBERS

October 2022

OVERVIEW OF THE CHOSEN BUSINESS INDUSTRY

Present here the type of business industry that was approved by you / your group. *What is the name of the business? What are the products or services it offers?*

ALGORITHM

This section contains a series of instructions for the creation of a Python program for the specific business industry.

PSEUDOCODE

This section contains a detailed yet readable description of what a computer program must do. The group can use the “Flowgorithm” application in generating the Pseudocode of the program.

FLOWCHART

This section shows the visual flow of the Python program. The group can use the “Flowgorithm” application in generating the Flowchart of the program.

COMPLETE SOURCE CODE

Provide your complete source code here from your Python IDE. Utilize the following format:

Use Courier New 9 as the font face and size.
Format the paragraph spacing to 0pt before and after and use single spacing.
Ensure proper formatting of your source code.
Add breaks or new lines in the codes if necessary.

Highlight or label the different programming structures used in the Program for documentation. Use as many pages as possible.

Programming Structures

1. Sequential Structures
2. Decision Structures
3. Repetition Structures
4. String Methods
5. Text File Manipulation
6. Lists and Dictionaries
7. Functions
8. Program Modularization

CONCLUSION AND REALIZATION

Provide here a list of things that you have learned while making the project. Are there any relative experiences that you would like to share and the learning that you have gained through making this capstone?

REFERENCES

List all the sources you have used to make this project. (List of websites, books or etc.)