

PROG101 • PRINCIPLES OF PROGRAMMING LOGIC AND DESIGN
PROJECT BRIEF

Department : Faculty of Information & Communication Technology
Program Name : Bachelor in Information Technology (BIT)
: Bachelor in Business Information Technology (BBIT)
: Bachelor in Software Engineering and Multimedia (BSEM)
Semester : 01
Commence Date : Week 4
Due Date : Week 12
Unit Controller / Examiner : Mr. Santigie F. Kamara

Project Requirement

1. Use C++ Programming Language to develop Limkokwing Management System, the system is based on the concept of managing the student's record. It contains a login system. The user can add records of the students easily. For that, the user has to provide registration number and name. Apart from this, the user can view/check a list of the records, search, modify and remove records too. The user just has to provide a registration number or name in order to search for a student's record.

Features:

- a. Login
- b. Add Students
- c. List all records
- d. Remove records
- e. Edit student records
- f. Search students.

2. Chicken Town sells food, so provide a system for them, which is call Food Order System. Food Order System is based on a concept of ordering food items and generating total food cost. This project contains the features. The user has to select any of the items from the main menu. Then he/she has to select its types and then enter food quantity. After this, the system displays the total bill of the customer.

CHICKEN TOWN MENU

- One piece + one side + water.....Le 30,000
- 2 pieces + 1 side.....Le 40,000
- 6 chicken wings + 1 side.....Le 40,000
- Chicken wrap.....Le 30,000
- Chicken Burger.....Le 25,000
- Fried Rice.....Le 15,000
- French Fries.....Le 15,000
- Maltina.....Le 10,000
- Vimto.....Le 12,000
- Water.....Le 5,000

Expected Outcome

You will be required to submit the following:

A Document including the following:

- ✓ Brief background on the program.
- ✓ The Problem (what problems will be solved by your program)
- ✓ The solution (explain how you program works)
- ✓ The program flow chart
- ✓ The program Pseudo Code
- ✓ The program C++ code
- ✓ Screenshots of the program.
- ✓ Problems you faced and how they were handled.
- ✓ Lessons learned and how they program could be improved.
- ✓ The Conclusion.

Submission:

This assignment must be submitted on time or before the due date

Format : Minimum of 15 printed pages for the report, Font (Tahoma 12), line spacing (1.5)

: PowerPoint slides for presentation

Marking Scheme

The marks will be distributed as shown below:

Description	Mark
Documentation Content Format Relevance Documents (Requirements)	40
The Program Displaying information Capturing Data Executing Calculations Clearing screen Implemented comments Use of Sequence structure Use of any two selection statements Use of any one repetition structure Source code, pseudocode and flowcharts	60
TOTAL	100