

Restaurant POS (Point of Sale) System

Create a basic Restaurant Point of Sale software using C-Language. Your restaurant must have at least 20 items to choose from.

To receive full credit, your software must have the minimum of the following features:

I. Enhanced security and anti-fraud protection

- Use of string functions
- System is encrypted with username and password
- Your project must include 3 sets of username and password.
- username and password must not exceed 20 characters long

Example:

Bok's Burger
USERNAME: ilovebokskie
PASSWORD: *****

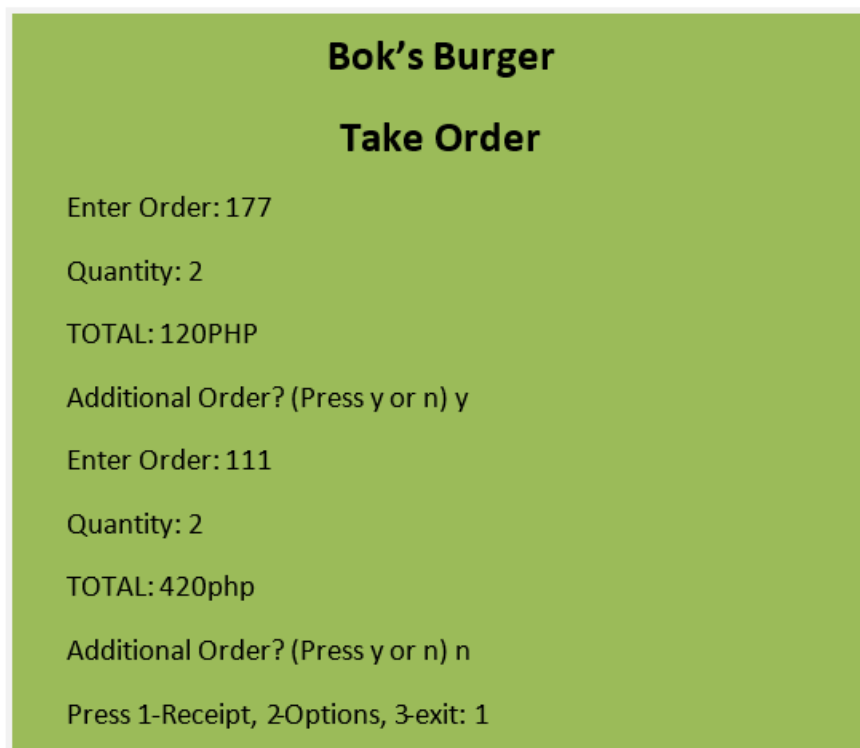
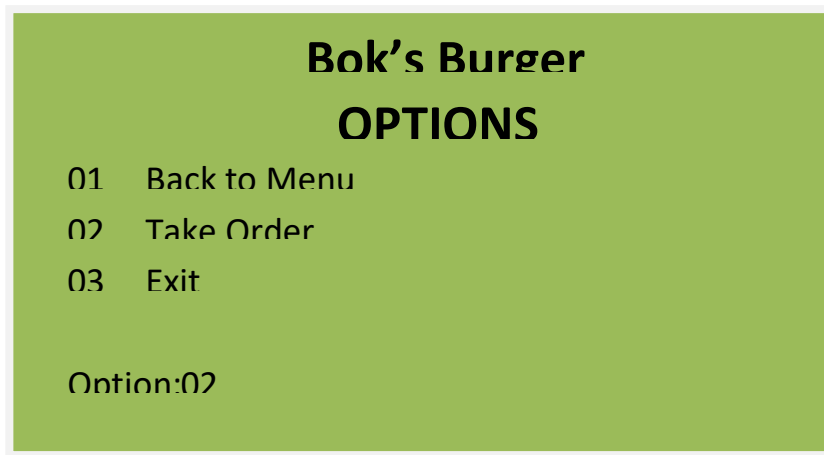
II. Menu Display

- Use of void functions
- After a successful log-in, the program must display the restaurant's menu
- There are at least 20 menu items with corresponding code, name of the menu item, and price.

Bok's Burger					
MENU					
011	Tiny Burger	20php	111	Salmon Burger	150php
022	Jumbo Burger	80php	122	Slopper	120php
033	Turkey Burger	85php	133	Slug Burger	110php
044	Chicken Burger	90php	144	Veggie Burger	150php
055	BBQ Burger	90php	155	Teriyaki Burger	160php
066	Banquet Burger	150php	166	Big Fries	60php
077	Chili Burger	100php	177	Mojos	60php
088	California Burger	120php	188	Large Drinks	30php
099	Jucy Lucy	130php	199	Water	20php
100	Rice Burger	120php	200	Extra Cheese	15php
Press any key to continue...					

III.Action on Orders

- using Arrays, Functions. Conditional and Looping Statements
- After displaying the menu, the program will display the restaurant's options
- Back to Menu option will display the restaurant's menu again (II.)
- Take Order option will input orders by item code and automatically computes the total price



IV. Receipt

- Using Functions, Conditional and Looping Statements
- Receipt will show the summary of orders, quantity, price, and total
- An option for discount must also be included
- The program will accept cash payments and the system will display the amount of change to return.

Bok's Burger		
Receipt		
Order	Quantity	Price
177 Mojos	2	120
111 Salmon Burger	2	300
TOTAL		420
Discount? (0-None;1-Senior 20percent; 2 -Others 30 percent): 0		
CASH: 500		
CHANGE: 80		

V. others

You may include logical assumptions as part of your program provided that it is necessary.

Important Notes:

- This is a group project (by pair).
- Open source programs/codes are not allowed.
- Academic honesty should be observed at all times.

POLICY STATEMENT ON ACADEMIC HONESTY

Section 4.13 of the Student Handbook (SH) provides that:

As a Catholic University that prepares its students to become professionals and be the resource for Church and nation, De La Salle University puts a premium on academic honesty. A student's academic requirements, such as assignments, term papers, computer programs/projects, and thesis, should be his/her own work. He/She must distinguish between his/her own ideas and those of other authors.

The student must cite references, direct quotes, and other sources (including data obtained from tables, illustrations, figures, pictures, images, and video) following the prescribed format of the discipline.

Should a student intend to submit the same or similar work, for credit, in different courses, a written permission must first be obtained from the faculty members concerned.

Computer codes obtained from open source reference may be copied freely, but the source should be cited, provided further that the faculty member allows the use of open source reference in the course.