

MESS(ALA-CARTÉ) MANAGEMENT SYSTEM

CRAVEZIA

ABOUT:

In this C Project we have tried to develop a Mess Management System for college purpose using various operations on Linked List and using Data File handling for storing various details and executing functions.

We have named our system as "**CRAVEZIA**".

We have tried to replicate the existing mess management system in SNU. In addition to that, we have also added some new features of our own, like health, delivery and donate a meal.

The functions in the project are as follows:

- **admin_menu()**
 - menu() : to display the current menu
 - all_stud() : to display the details of all the students registered
 - add() : to add a new dish to the menu.
 - remove_dish() : to remove a dish from the menu.
- **student_menu()**
 - login() : to log in into an existing student account
 - signup(): to register yourself in the student list by creating an account
- **guest_menu()** : if the person is an outsider but wants to eat in
- **mess_menu()**
 - card_details() : to display the mess card details of person logged in
 - recharge_card() : to add money into your mess card
 - order() : to record the order or the dishes to be ordered
 - payment_student() : to deduct the bill amount from the card
 - payment_guest() : system of payment if you don't have a card
 - delivery() : in case the person wants to get the order delivered
 - health() : displays a path across campus one can choose to burn consumed calories

- **donate_menu():** asking people to donate a meal and become a part of the “**Hope, not Hunger**” campaign!
- **file handling functions**
 - fromfile_stud() : to retrieve the data of the student file(details.dat) into linked list
 - fromfile_dish() : to retrieve the data of the menu file into linked list
 - save_stud() : to save the data of the linked list of registered students into students file
 - save_dish() : to save the data of a new dish into menu file

Data Structures Used:

Linked List and Arrays : used for basically all functions for various operations like search, add, update etc.

An Overview:

