\*\*\*MESS(ALA-CARTÉ) MANAGEMENT SYSTEM\*\*\*

**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 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. To facilitate the development of the project, we used the code hosting platform GitHub.

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.
* **student\_menu()** 
  + - login() : to log in into an existing student account
    - signup() : to register yourself in the student list by creating a 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
* order() : to record the order or the dishes to be ordered
* payment\_student() : to deduct the bill amount from the card
* payment\_guest() : optional (pata nhi abhi)
* delivery() : in case the person wants to get the order delivered
* health() : need to figure out
* **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

**An Overview:**