

CSE 687

Term Project Final Description

Topic: Unified food application for Orange students

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- **Use Cases:**

- Actor: Student
- Goal: Place an order
- Description:
 - All the students would be extending a class names order details and would fill their orders according to selected dining halls and meal.
 - Here, actor can add multiple items from multiple dining halls to the bucket and modify the bucket.
- Actor: Student
- Goal: Cancel an order
- Description:
 - Actor can cancel the order any time before the order is ready to pick up.
 - In case of successful cancellation of order a refund process will be issues.
- Actor: Student
- Goal: View the menu
- Description:
 - Actors can check all the available options entered by all the dining hall chefs.
 - And bases on the available menu they can select multiple meals.
- Actor: Student
- Goal: Make Payment
- Description:
 - Each students (actor) have two options for payment:
 1. Pay by online through your SUID card at the time of placing the order.
 2. Pay on pick up by SUID.

- Actor: Chef
- Goal: Modify Menu
- Description:
 - Chefs of all the dining halls are responsible for updating the menu on the application for that day as it would change on each day and remove the items from the menu.
 - Another option which we can give to the chef is to set up a weekly menu.
 - Also in addition to that, they are required to add detailed descriptions of all the used ingredients.

- Actor: Chef
- Goal: Meal status
- Description:
 - Once the meal is ready the actor would update the meal status so all orders status associated to that meal would get updated.
- Actor: Cashier
- Goal: Track of order pick up
- Description:
 - Actor would update the meal status to “Picked Up” once the student would collect it from the dining hall and also receive the payment in case of payment method selected on “Pick Up”.

Here the actors are identified as the direct contact to the system. I have assumed that an actor mentioned chef here could be anyone from the management team from the dining hall.

● Future Scope of Use Cases:

- As I have mentioned in my initial project proposal I can add a delivery option for the item and there can be any delivery location across the university which would be an extension to this project. Below are the use cases which I might implement in order to cope up with the requirement of delivery.
- Also in addition to that we can extend this application to faculty as well so they would also get a chance to have the campus food. Below are the use cases for that.

- Actor: Delivery Person
- Goal: Delivering the item
- Description:
 - Actor is responsible for delivering the item to the designated place and updating the order status to “Delivered” in the application.

- Actor: Delivery Person
- Goal: Pick up item
- Description:
 - Actor would pick up the item from the dining hall and update the status to “Picked UP” in the application order status.

- Actor: Delivery Person
- Goal: Receive payment
- Description:
 - Actor would update the meal status to “Picked Up” once it gets delivered and also receives the payment in case of payment method selected on “Pick Up”.

In case of another extension of the application we just have to change the actor in order to allow faculty members to order in place of students in previous use cases and make payments more flexible like monthly payment or yearly payment.

- **Technologies Used:**

- Programming language: Java 8
- Framework: Spring Boot
- Apache Maven 3.8.4