McDA's

The Canteen Automation Project

Group: 31

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<u>STAKEHOLDERS</u>

1) Canteen Staff (Manager) - Manage account books and menu
2) Canteen Staff (Waiters) - Update status
3) Customers(Students, Faculties) - Place orders
4) Administrator (Developer) - admin

<u>ACTORS</u>

1) Admin - Authorise and manage canteens, Provides statistical data to canteen managers (like Turnover, Profit / Loss, Overall rating and reviews)
2) Manager - Manages order, Updates status of order, Manage Account Book of user, Manage Menu. Will have the authority to update the data related to the account book of the customer, log in and out of the system
3) Customers - create orders, search products, login and logout of the system, update profiles and passwords.

USE CASES

1.

- Name : Login
  - Forward traceability: update last login, maintain login session
- Actors: Customer(Students, Faculties), Canteen(Manager)
- Goal description: Login into the system in order to use the system
- Reference to requirements
  - Backward traceability: Last login
- Pre-conditions
  - DAIICT domain email id is required
- Description

Login is needed to verify a user uniquely and to use system functions. It will separate canteen users from student users. It will be done using secured google login template.

2.

- Name: Place Order.
  - Notify to manager, manager will confirm, payment method decided
- Actors:Customers, Canteen(Manager)
- Goal description: Placing an order successfully.
- Reference to requirements
- Order History, Payment status.
- Pre-conditions:
  - Login, verified bank/ online wallet account
- Description

This functionality ensures the ability to order through application. Order cart will be maintained which can be edited, payment mode selection and placing the order which will be confirmed by the canteen staff.

3.

- Name : Search Product
- Actors: Customer(Students, Faculties)
- Goal description: To search the product to order.
- Reference to requirements
- Backward traceability: history of previously searched products

• Pre-conditions :Login

• Description

Users can search for different products before ordering the food. This can be done from the trending list, manually navigating through the menu or using the search bar to filter the item.

4.

Name : Manage food items

Actors : Canteen staff(Manager)

Goal description : To add, remove or update the picture, description and price and time in which it is available.

Reference to requirements : Maintain previous food information

Pre-conditions : Login

Description :

Managers will have access to the database and they can update the details there which will be reflected in the system.

5.

Name : Update Profile

- Actors: customers, managers
- Goal description: To manage and edit user profiles, add or remove payment methods
- Pre-conditions: Login
- Reference to requirement
    - Backward traceability: Undo changes.
- Description: the functionality ensures the user can update their profiles and preferences successfully. This can be done through the edit profile tab in the app UI.

6.

Name: Make Payment

- Actors: Customers
    Forward Traceability: Order details
- Goal Description: To make payments
- Pre-Conditions: Login, Order Placed

- Reference to requirement:

  Backward traceability: payment details, time
- Description: With the use of this functionality customers will be able to make payment through online mode for their food. We will add the option for coupons based on order history, if available.

7.

Name : Order status

Forward traceability : Maintain status updates done by canteen staff

- Actors: customers, managers
- Goal description: To maintain the order status, i.e. pending, accepted, cooking, delivered.
- Pre-conditions: Placing Order
- Reference to requirement:

  Backward traceability: Maintain the time of placing the order
- Description: After the customer has placed the order, Canteen staff can accept it, after accepting it can be put on waiting or cooking list and after its been cooked it can be changed to delivered following this timeline. This will be reflected to the customer.