

FoodEx

Project Members:

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Objective:

The goal of this project is to design and develop an app for students to place orders in different canteens and food hubs in the institute.

User Categories:

- a) Student
- b) Canteen managers

Functionalities:

a) Student:

- Student can register/login to access his/her services.
- Students can choose among different canteens to place orders.
- Menus and food reviews of different canteens can be viewed by students.
- A student can specify the time by which he/she wants the order to be ready (for any time before closing time).
- Notifications regarding order being confirmed and ready will be shown to the student.
- A student is notified to give reviews and ratings for his order.
- Payment dues can be viewed by students as well as canteen managers.
- Each student has an account for monitoring his balance and dues and clearing his/her bills.
- Student account also contains the photo of the student.
- Ratings for a dish in a canteen can be given by the student.
- Student can give review for dishes.
- Student can view the history of his/her orders.

b) Canteen managers:

- Canteen managers can login to access their services.
- Canteen managers (Admin) can update menu and status of orders.
- Canteen manager gets notified when an order is placed.
- Payment dues can be updated by the canteen managers.
- Each canteen has specific opening and closing hours. Placing orders and payments can be done during these hours.
- Menu can be updated by canteen managers.
- Each canteen has a menu showing the available dishes, their prices and reviews along with rating of corresponding dishes.

Other:

- Bill is generated after order is collected by the student containing the details of the order and amount due in that order.
- The prices of the dishes at the time of ordering are used to generate bills.
- Designed LOGO for the app.

System Architecture:

- Front-end: Developed using Android
- Back-end: uses eclipse with postgres

Future Work:

Student:

- Student can give his taste preferences for a particular dish while placing the order.

Canteen Managers:

- The ratings given by the students are used to provide feedback for the canteen manager and to suggest famous dishes to the students.
- Canteen managers can notify students to clear their dues at the end of every month.

WORK CONTRIBUTIONS:

We worked in groups of 2 on backend and frontend parts depending on the features and the project needs.

Roll no-150050040 Sneha Sunil Bhakare:

- UI and Logo Designing
- Backend Servlets implementation
- Student support for register and login
- Updating student and canteen account
- Update Menu and create menu
- Generating bills for orders
- Order List for canteen manager

Roll no-150050043 Puja Rani

- Backend Servlets implementation
- Student support for register and login
- Notifications to canteen manager regarding new orders
- Notifications to student regarding order status
- Reviews and ratings can be viewed in Menu for all dishes
- Update Menu and create menu
- Support for canteen manager login

Roll no-150050097 Rebecca Blessy Talari

- Backend Servlets implementation
- Notifications to student regarding order status
- Notifications to canteen manager regarding new orders

- Reviews and ratings can be given by student for a particular dish in a particular canteen
- Placing orders
- Generating bills for orders
- Order history for student
- Updating student and canteen account

Roll no-150050090 Mangalapally Mounyatha

- Backend Servlets implementation
- Generating bills for orders
- Reviews and ratings can be given by student for a particular dish in a particular canteen
- Reviews and ratings can be viewed in Menu for all dishes
- Placing orders
- Order history for student
- Updating student and canteen account