Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE
(All Programs Accredited by NBA)
Department of Information Technology

Online Canteen Food Ordering System

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Project Guide
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1. Introduction

Problem Identified : Due to the huge crowd gathered in the canteen during breaks following challenges are faced:

- Delay in ordering and receiving food due to long lines.
- Delay in reaching the classes due to above reason causing disturbances in classes.

Solution Proposed : Proposing an online platform or application to order food from the canteen from the classes and receiving food.

- Making it easier for the staff to receive and deliver the orders in an systematic order.
- Less time spent on waiting in lines and less crowd near the kitchen of canteen.

2. Objectives

- To achieve efficiency by reducing time wastage
- To eliminate human errors in accounting and food orders and encouraging cashless transactions.
- To help users in keeping track of his/her daily food orders.
- To regularly update the menu as per availability

3. Scope

- It is a computerized ordering system that adopts new technologies for supporting them in their best way.
- Push notifications would be used to notify about the order details such and order number, preparation time, completion of the order, etc.
- Can be applied in other educational institutions and all other forms of consumers can use this app, who consume food from canteens. E.g.: Hospitals, hotels, corporate offices , etc.
- A profile for canteen workers which would have feature like add to menu, update menu, consumers details, etc.
- Nearby local restaurants can also be included to increase business and provide complete user satisfaction.
- Receiving orders on scheduled time as per customers choice and time available.

4. Feature /Functionality

- Dynamic Menu page with Add to cart feature which send the item to the cart.
- Calculation of total amount of money being updated in session.
- Dynamic cart with quantity of orders being updated in session.
- Checkout page generating a bill which would be sent to the order history through backend.
- Simple payment method.
- Providing order history to the consumers using the database.

5. Outcome of Project

This application would help the canteen crew as well as the consumers which are mostly students.

- **Register:** User can register via valid details and can also use their Moodle ID
- **Login:** Students will need to login using their valid credentials to access the application.
- **View Items:** All the food items will be displayed to the students at once with description and cost.
- **View Recommendation:** Menu of the day and orders based on their previous orders will be displayed

- **Add to cart: S**ingle or multiple food item can be added to the cart by selecting quantity

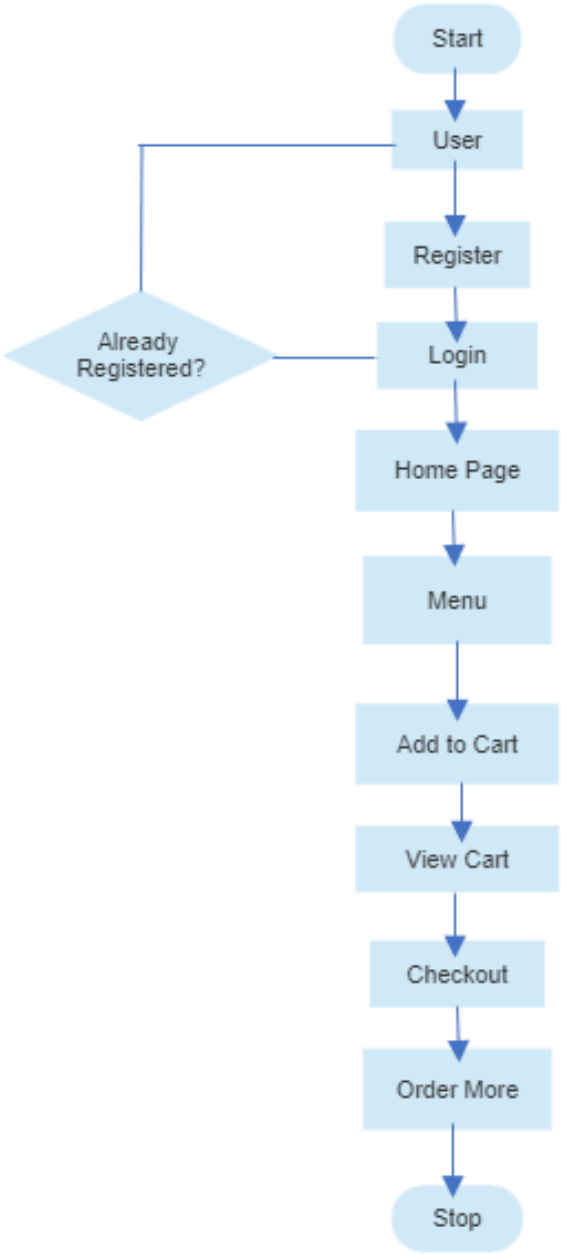
- **Order and pay:** Order can be placed of selected food items by using QR code provided by admin.

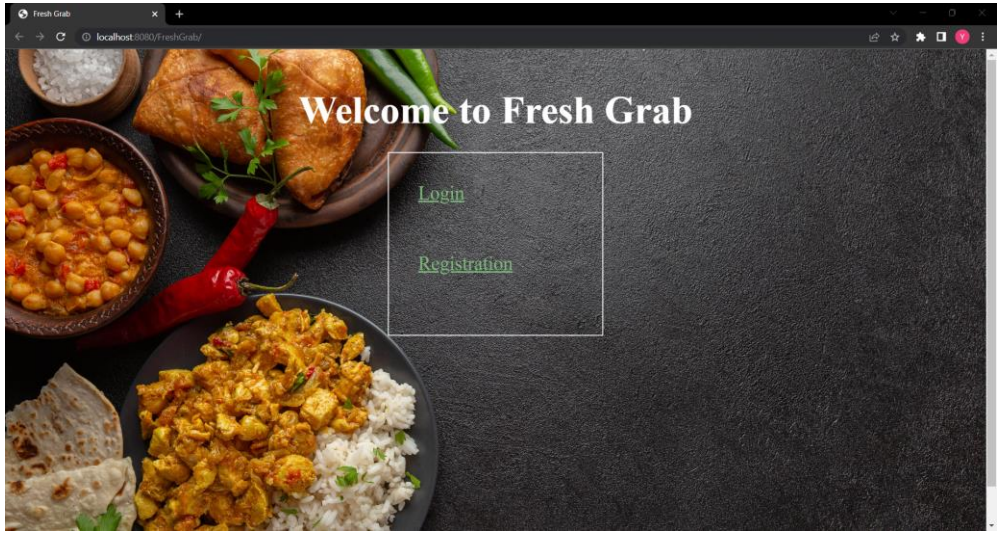
- **Order history:** All the past and recent order will be displayed

6. Technology Stack

1. -HTML
2. -JAVA
3. -CSS

7. Block Diagram

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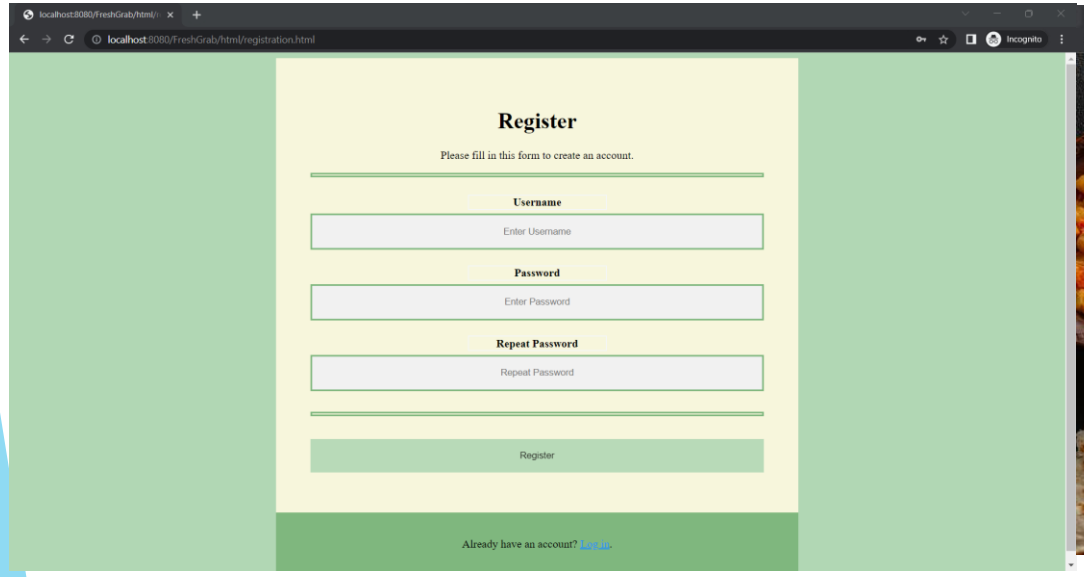
localhost:8080/FreshGrab/
Welcome to Fresh Grab
Login
Registration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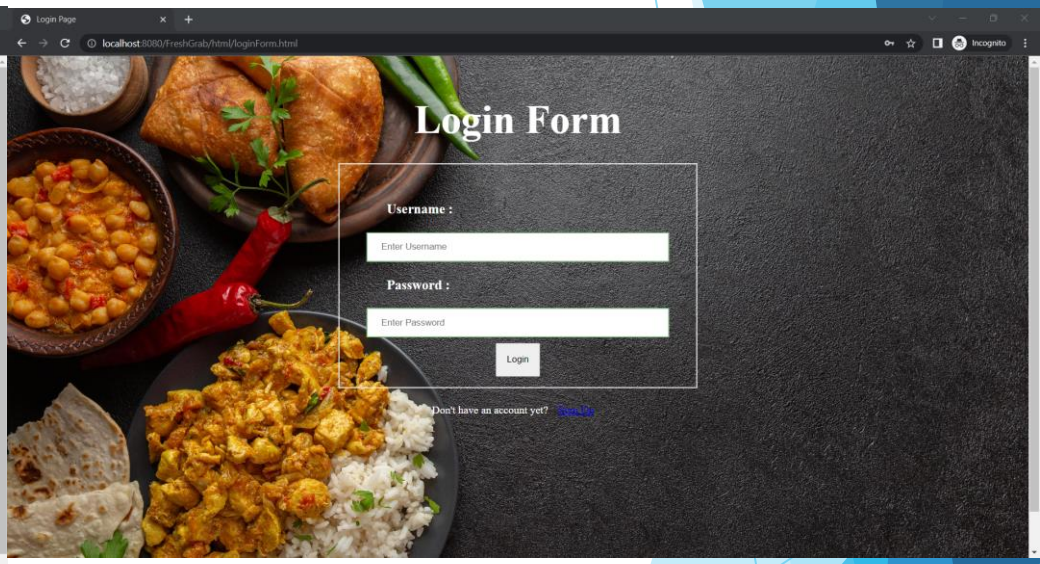
Incognito
Register
Please fill in this form to create an account.
Username
Enter Username
Password
Enter Password
Repeat Password
Repeat Password
Register
Already have an account? Log in.


Login Page
localhost:8080/FreshGrab/html/loginForm.html
Incognito
Login Form
Username :
Enter Username
Password :
Enter Password
Login
Don't have an account yet? Sign Up

Thank You!