MINI PROJECT I

MID-TERM REPORT

Canteen Pre Order Portal

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Abstract

ONLINE FOOD ORDER SYSTEM is a website designed primarily for use in the food delivery industry. This system will allow hotels and restaurants to increase scope of business by reducing the labor cost involved. The system also allows to quickly and easily manage an online menu which customers can browse and use to place orders with just few clicks. Employees then use these orders through an easy to navigate graphical interface for efficient processing.

The Purpose of online foof ordering system is to automate the existing manual system by the help of computerized equipments and computer software fulfilling their requirments, so that their valuable data can be stored for a long period with easy accesing and manuplation of the same.

Basically the project describes how to manage for good performance and better services for client.

1.1 INTRODUCTION

Web Portal Development is a multi-dimensional operation of knowledge and expertise at many levels, to ensure excellent results time after time. We offer end to end solutions based on vast experience to build interactive and efficient canteen web portals for our users to choose their interested foods.

We are all under enough stress. Do we really need stand in cues, rush our meal and have no time to relax during the time we should be taking a break? Well life is about to get a little simpler...with the Canteen Pre Order Portal you can order from your desk, pre-order your meeting room meals and coffees, and when you want that limited chef special, pre-order and ensure you never miss a meal.

Online ordering system that I am proposing here, greatly simplifies the ordering process for both the customer and the restaurant. System presents an interactive and up-to-date menu with all available options in an easy to use manner. Customer can choose one or more items to place an order which will land in the Cart. Customer can view all the order details in the cart before checking out. At the end, customer gets order confirmation details. Once the order is placed it is entered in the database and retrieved in pretty much real time. This allows Restaurant Employees to quickly go through the orders as they are received and process all orders efficiently and effectively with minimal delays and confusion

Motivation

The motivation for designing this application came because my family is involved in the fast food business and I personally do not like waiting for long in the store or to have to call store to place an orderespecially during the peak lunch or dinner hours. Moreover, I value recent learning about the Java and JSP Programming languages as well as seeing how powerful and dynamic they are when it comes to web designing and applications. The languages used to build this application are JavaScript, JSP, HTML and Java at client facing whereas Oracle database at the back-end because I found them to be extremely useful while working on the technologies.

1.2 **Software Requirements:**

- Windows / IOS / Linux

- SQL Data Base

- Front End – HTML , CSS , XML , Vs Code Editor / Sublime Text / Notepad++

- Back End – JavaScript, PHP

- Local Server – XAMPP / WAMPP

1.3 **Hardware Components:**

- Desktop OR Mobile Device

- Internet Connection

PROBLEM STATEMENT

The Challenges encountered by the manual system in canteens is efficiency and customer satisfaction. The experience of ordering in most fast food canteens is not pleasant for customers. Customers have to make long queues before placing the order and when the order is placed they have to wait near the counter until the order is prepared. The another problem is efficiency that food canteen should maintain in their standard operations and keep with the quality of their product and services no matter how much crowd is present in canteen but they have to maintain efficiency as well as quality of product .however, we think that there are some issue concerning the traditional way to order food in canteens.

The major issues are as follows:

- **Verbal communication between cashier and customer or we can say telephonic communication**: The verbal communication between two parties for placing an order and the information about bill should also result in error, means error also occurs in understanding what the person want to say and especially in busy hours in canteens. When the place is very crowded and noisy, miscommunications are common. The problem is even Worsen if the cashier and/or the customers do not speak the native language.

- **Food customization**: The ability to customize food has been a crucial business strategy in the food industry since McDonald's slogan "I'm Lovin' it" for the campaign. Food customization allows some flexibility for customers who have a special request (less ice for soda, no pickles etc.) and is especially necessary for customers who are allergic to some ingredients .currently, the cashier has to memorize these requests since the existing system does not support any means of recording such request. The result is that the request are forgotten or miscommunication to the cook.
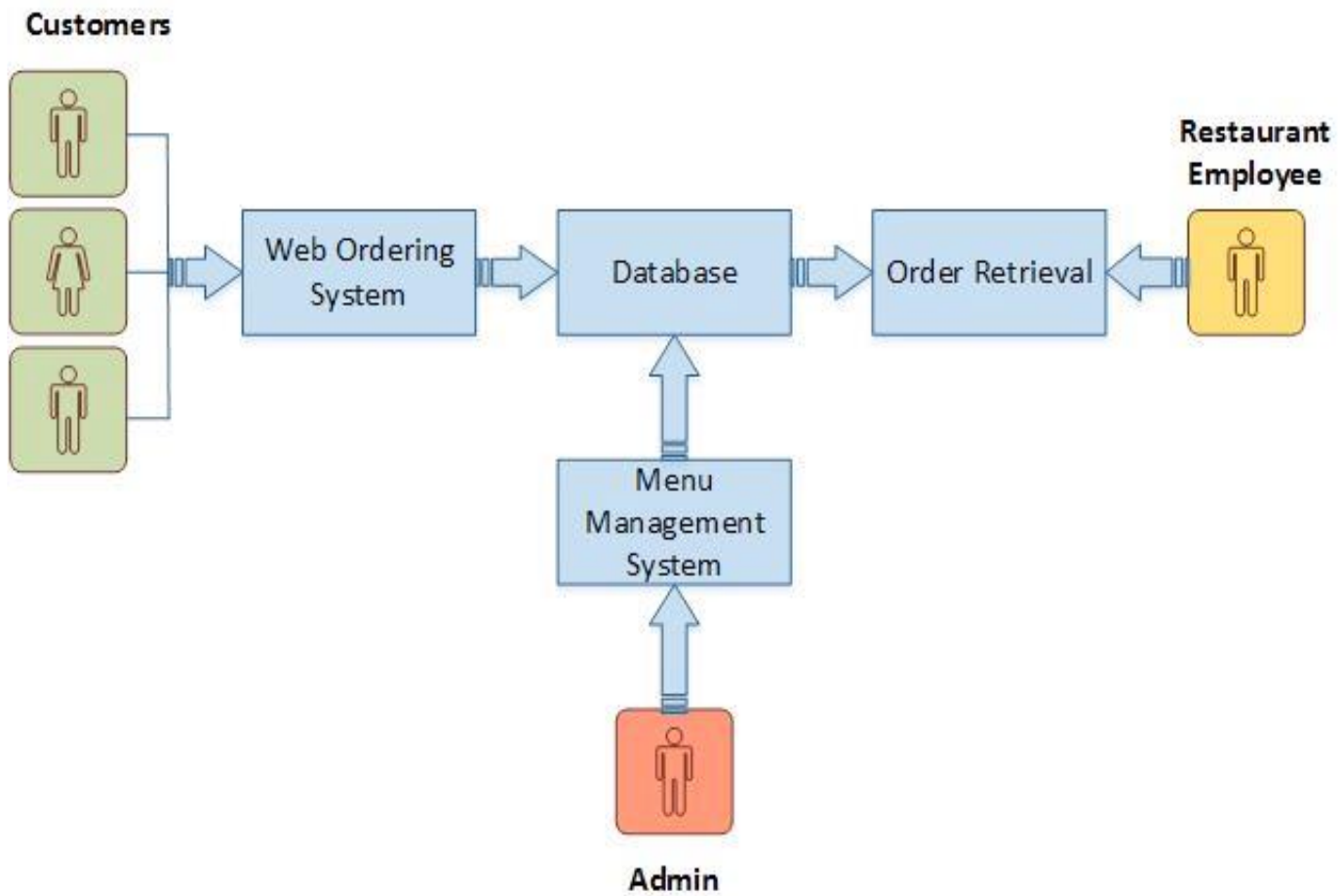
OBJECTIVE OF THE PROJECT

The main objective of the project canteen pre order portal system is to manage the details of Canteen, Employee, Item, Stocks and Sales. It . The Project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Canteen, Employee, Customer, Item. It tracks all the details about the Item, Stock, Sales.

Functionalities provided by Canteen Pre Order are as Follow:

- Provide the searching facilities based on various factors Such as Canteen, Item, Sales.
- Canteen Pre Order also manage the Customer details online for Stock details, Sales details, Canteen
- It tracks all the information of Employee, Customer, Stock etc
- Manage the information of canteen

Implementation

Customers

Restaurant Employee

Web Ordering System → Database → Order Retrieval

Menu Management System

Admin

<u>Working Method</u>

The system comprises of 3 major modules and their sub modules as follows:

1. <u>Admin:</u>

    a. **Login:** Admin need to login using valid login credentials to access the system.

    b. **Add Canteen:** Admin will add a canteen with details like Management Name, Handler, Mobile, No. of Workers and Address.

    c. **View/Edit/Delete Canteen:** Added canteens can be manageable by the admin.

    d. **Add Students:** System allows admin to register new students with their details and create a valid login id and password and share with the student.

    e. **View/Edit/Delete Students:** Admin can manage all the added students by viewing, editing and deleting a student.

2. <u>Canteen:</u>

    a. **Login:** Canteen person need to login using valid login credentials to access the system.

    b. **Add Items:** A canteen person can add new food items by specifying details like Food name, Items description, cost, time to get ready, etc.

        i. **View/Edit/Delete/Enable Items:** All the added food items will be manageable by the canteen person and if the item is not available in the canteen then it gives an option to disable the food Item.

c. **View New Orders:** Can view all the orders received from the registered students.

d. **View Transactions:** Can view all the transactions by selecting the date range and search all the transactions.

3. <u>Student:</u>

a. **Login:** Students need to login using valid login credentials provided by admin to access the system.

b. **View Menu:** Students can order any food item from the menu.

c. **Review & Place Order:** Before placing an order, a review of order will be displayed and then student can proceed to pay. Payment can be done thorugh Canteen Card and UPI(Google Pay, Paytm).

d. **Order:** Now order is placed by the customer.

e. **Cart :** Added item is in the cart before placing order.

f. **View Transactions:** A Student can view all their transactions done to place order

Flow Chart
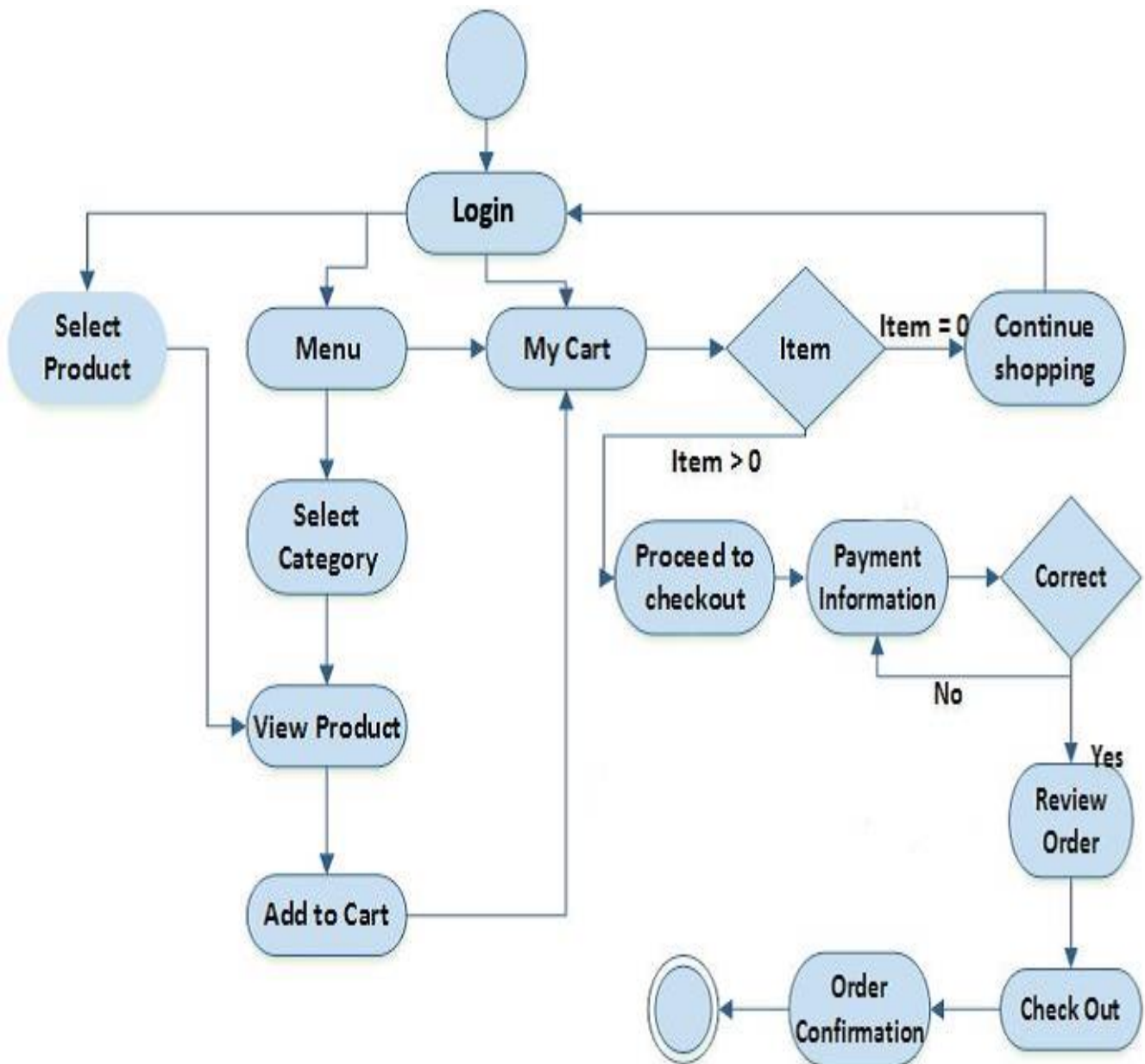
All users of the system, are provided with below menu options:

Home, Menu, My Cart, User Account, About Us and Contact

Web Ordering System Module:

Customers of the Web Ordering system will interact with the application through an easy to use top navigation menu.

- ➢ Home menu option: allows the users to see all food items offered with nice images as well as
- ➢ select an item to place an order.
- ➢ Menu option: a 'Drop-Down' menu, allows users to see all food items per category. Item
- ➢ can then be added to the cart using a single button click.
- ➢ My Cart menu option:
    - Allows users to see details of the items placed in cart. Details include Item #, Product Name,
- ➢ Product Image, Product Description, Quantity, Unit Price, Total per item and final Total of
- ➢ the order. It also allows 'Update' and 'Delete' an item using single button click. User can then
- ➢ use a 'Proceed to checkout' button to proceed further.
    - Once, Check Out button is selected, user will be prompted for the Sign In/Sign Up process if
- ➢ not logged in else user will be presented with a simple "Payment Information" form. User will
- ➢ be asked to provide all required details in displayed text boxes and make appropriate Dropdown
- ➢ selections. Then, all this information can be saved using a 'Save' button.
    - User will then be presented with a "Review Order" page, which will display Payment
- ➢ Information along with Order details to review. User can then use a 'Check Out' button to
- ➢ place an order.
    - Once order is placed, user will be presented with appropriate Order confirmation
- ➢ success/failure message.

➢ MyAccount: a Drop Down menu will display the user orders, Sign In and Sign Out options.

Menu Management System Module

Similar to Web ordering system, this module presents Admin with below additional options under "MyAccount" Drop down menu:
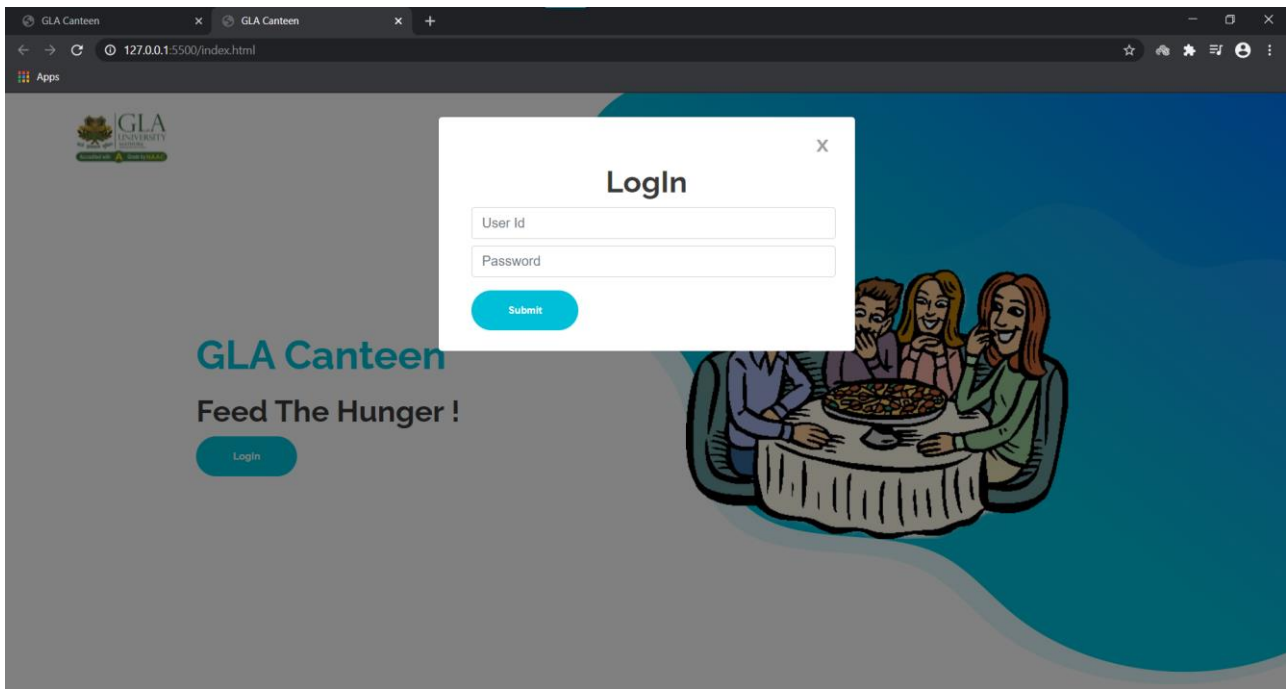
➢ Add Category: Allows to add a food Category name in a simple form.

➢ Add Product: Allows to add Product Name, Description, Price and choose Category in a simple

form along with Product Image.

➢ Modify Product: Allows updating or deleting product details.

Screenshots

Main Home Page
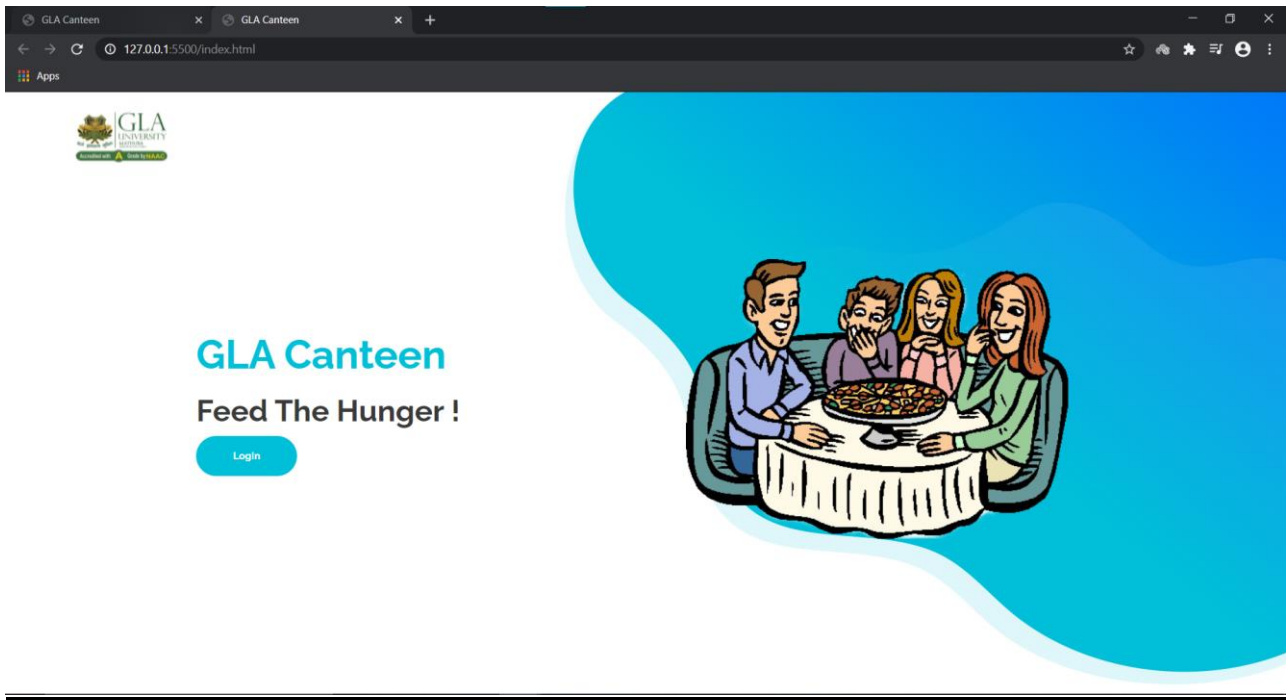
Login Form

Student Home Page
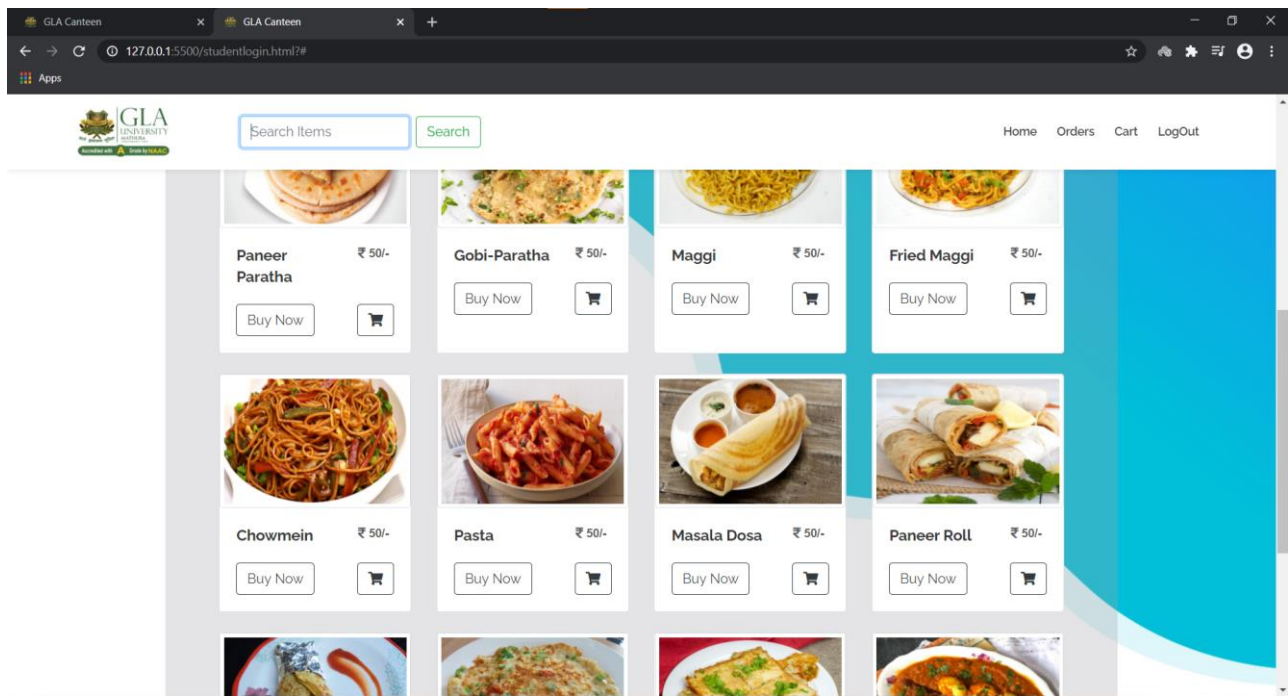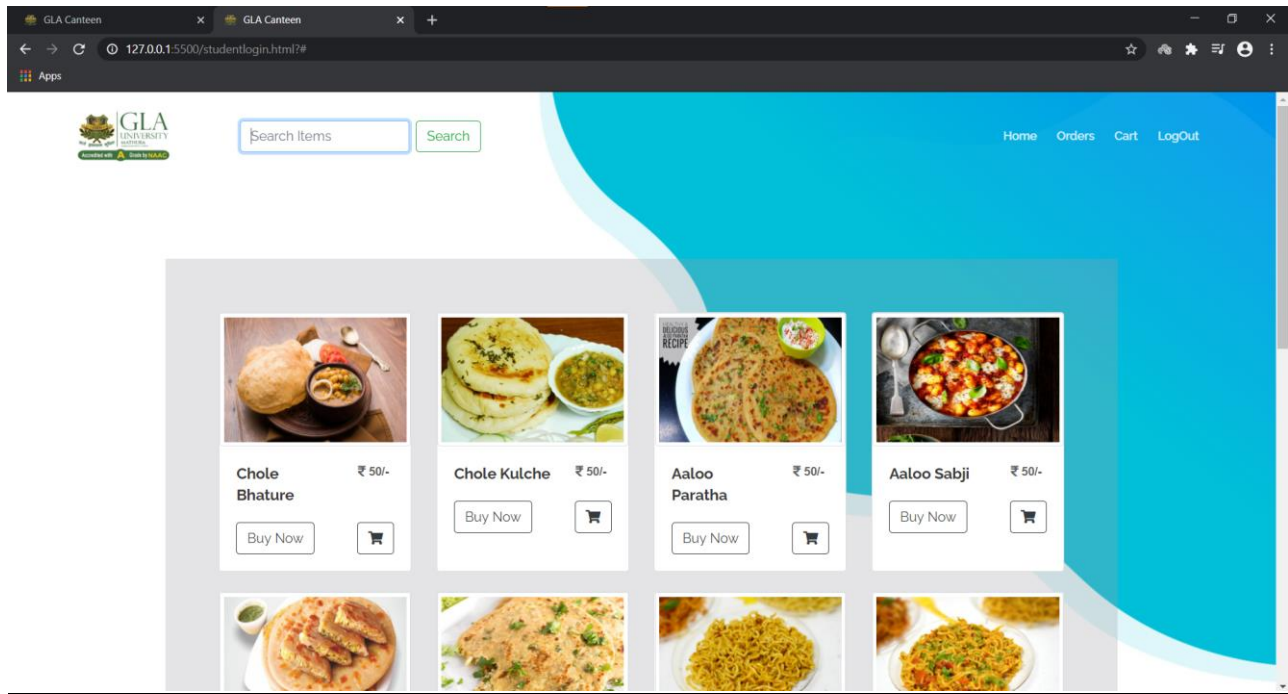
Item Description
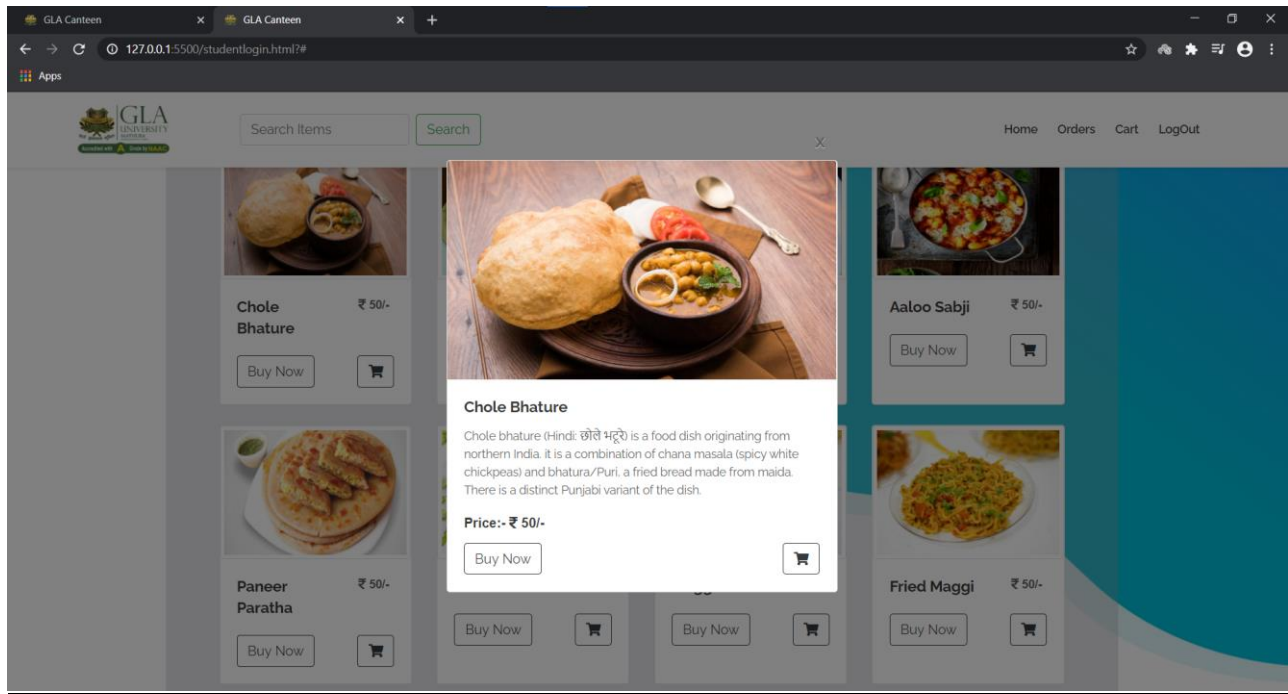
Order details
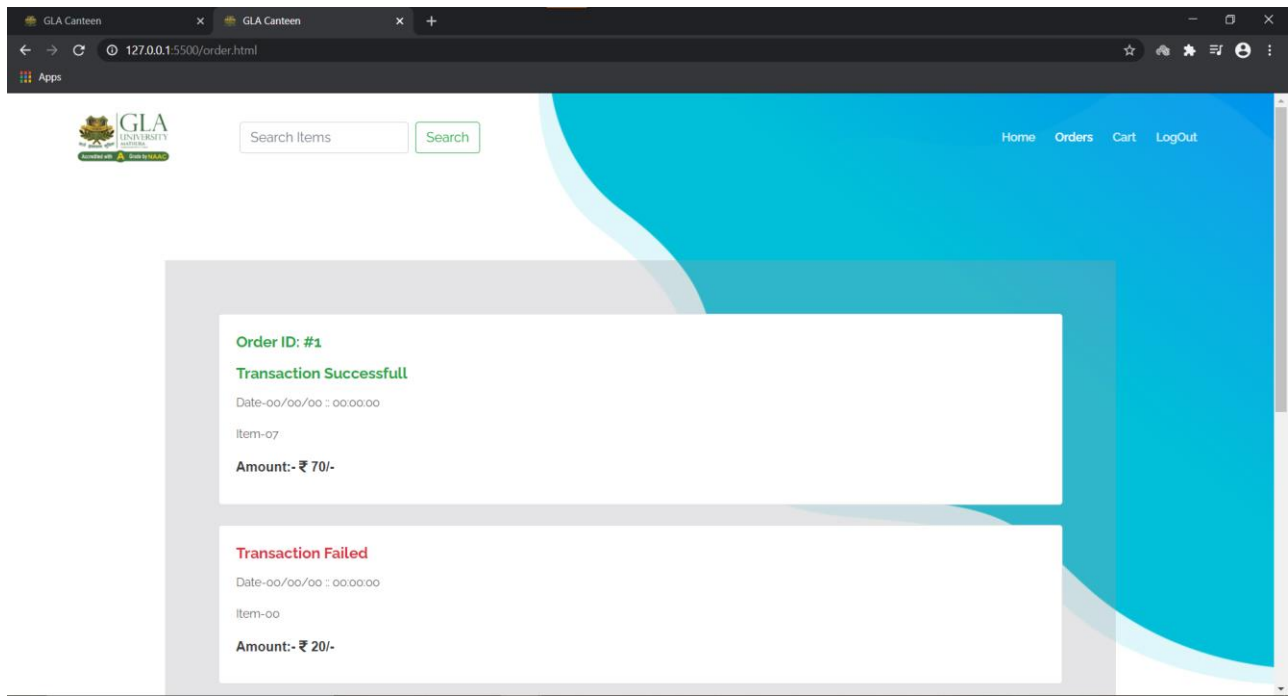
Item In Cart
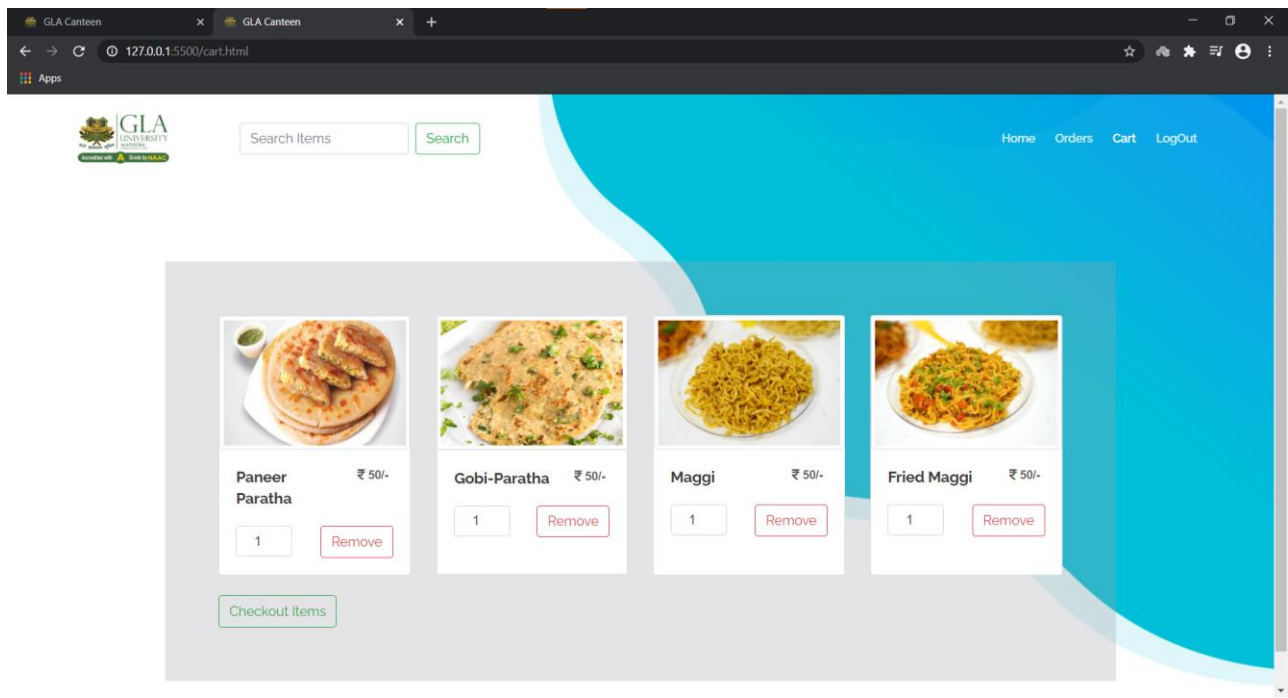
Canteen Maintenance
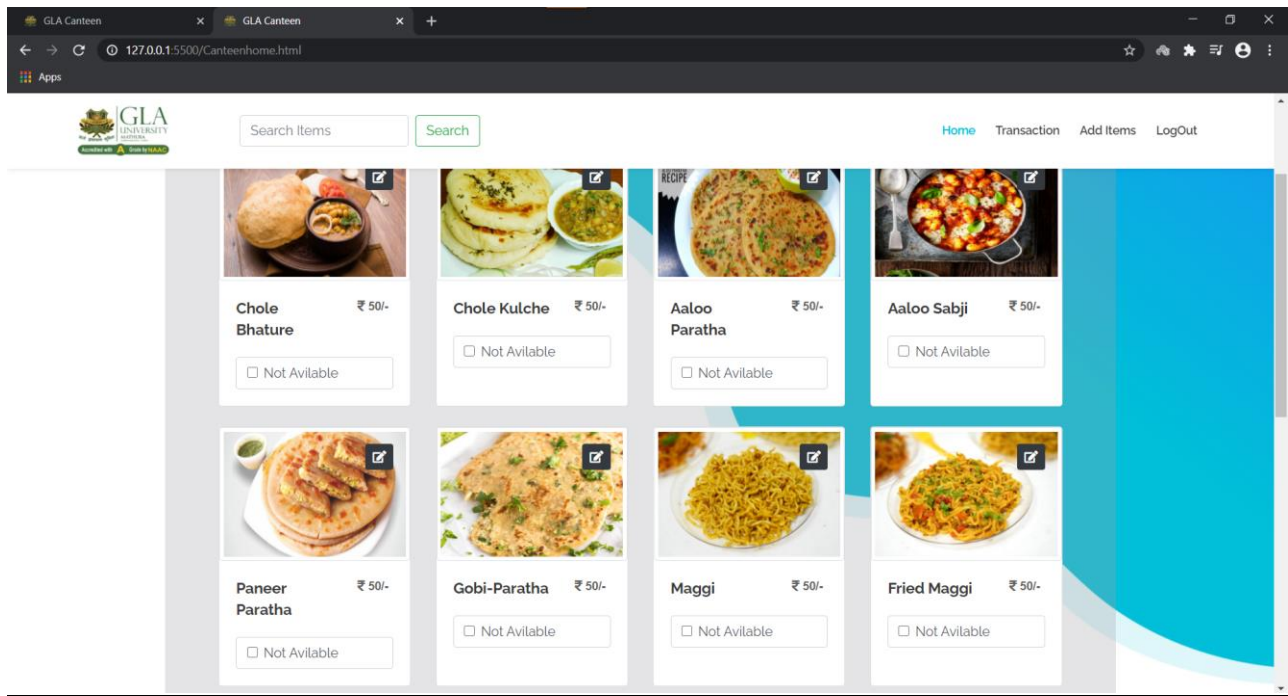
Edit Items

Transaction Details

Add Items

CONCULSION

The advantage of the use of this system is that the scale or size of the business does no longer make any difference to the system. This platform can be enforced on both small and large-scale businesses. Due to the userfriendly interface of the application, the particular viewer of the program doesn't have to be educated exclusively and can use the application easily. Admin can monitor and maintain of track of the entirety going on in his business which gives him a better manage over his business. The fully automated system eliminates the need to manipulate details in terms of the amount of food items sold on a regular basis, items available in the store. This study addresses the large-scale institution canteen business issue and ultimately suggests a working solution to the same.

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