



MINI PROJECT I

Synopsis on Canteen Pre Order Portal

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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.

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

THE 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.

METHODOLOGY

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

1. Admin:

- 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. Canteen:

- 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. Student:

- 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 thorough Canteen Card and UPI(Google Pay, Paytm).
- d. **View Transactions:** A Student can view all their transactions done to place orders.

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

Hardware Components:

- Desktop OR Mobile Device
- Internet Connection

FUTURE SCOPE :

- Completely automated online ordering of food in a canteen.
- Food ordering pages that look and feel exactly the same as the existing restaurant website.
- Student and Canteen Panel is available Publically but admin Panel is privately accessable.
- Detailed summary of orders placed with option to search orders, update order status, print orders, etc.

PROJECT FUTURE EXTENSION:

- Add Delivery Option
- QR Code generate after placing order for verification
- More Payment Method (Paypal, Own Wallet, Mobile Wallet)

CONCLUSION

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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