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Canteen Management System

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Abstract: *We are at this time within the midway of a technological and computing revolution which will unbelievably change our lives and possibly reformulate what it means to be human. In Canteen Management System we offer the canteen facility within the college campus. This computerization process when applied on an elemental part of the working people i.e. "canteen" helps reduce the service time, phases out long queues and avoids delayed orders, there is no burden to provide the precise change to the staff for the order. Normally, people need to go the canteen and order food and sit up for an extended time in an exceedingly queue to induce the order. But using this application you will order your food by just following a uncomplicated process. All the workers, teaching/non-teaching staff, Students can order their food without actually visiting the canteen and need not wait within the queue for an extended time. Students can save time by ordering their food using this application. As students have limited time for his or her lunch and there are lot many students in canteen looking ahead to their orders they'll simply place order sitting within the class room and later get their order. They'll also make payment online. As you've got logged in with your user-name and password, visit any tab and order your food and stock up your contact details. Once you click on the submit button you may receive an otp. And while receiving you order just give the otp and take your order*.

1. INTRODUCTION

Computers became almost a necessary a part of the life for penetrating the majority quite information. Life in 21st century is filled with technological improvement and during this technological age it's very ambitious for any management to face up to without taking advantage of the technology. Popularly, canteens are supported pen-paper records, cash, manual calculations and manual record keeping of credits which in today's time in an incompetent to operate a business. Rendering exact changes proves to be an endless struggle. As within the traditional method the record was maintained in a very pen/book format. The existing system lacked in data integrity, the books or enteries are easily misplaced and there are not any backups for such cases.

The prejudice of data integrity within the previous system is over thrown within the new canteen management system because it's fully computerized and it will even have the backups for every entry made and also offer other leverages of automation like total bill amount, total profit/loss of the business, management of food stock, a web menu, and thus the foremost trending food items, also keep record of the employees' attendance, the simplest way safer to carry the cash and as payments are online there'll not be a requirement to render change to the purchasers. Also records of past years are often easily stored and compared if needed with none hassle.

2. PROPOSED SYSTEM

● Place Order

You can place the order in two ways

1) Online ordering
2) Traditional method of ordering i.e. going to the canteen counter

The online ordering feature is available to those only who have a valid login credentials and a valid amount in the e-wallet.

● Make Payment

You can make payment in two modes that are e-wallet and cash.

E-wallet can be used for online order as well as counter order.

As the E-wallet is prepaid it has to be recharged at the counter by paying cash to the owner.

Only admin can recharge the wallet.

● Display Order

Order accepted- This message is displayed in the screen when the order is placed and the chef accepts the order.

Food is being prepared- This message is displayed when the food is being prepared and how much time will it take to be prepared is also displayed.

Order is ready- This message is displayed on the screen when the order is ready and you can enjoy your food

Order Completed- This message is displayed when the order is completed

3. SYSTEM ARCHITECTURE

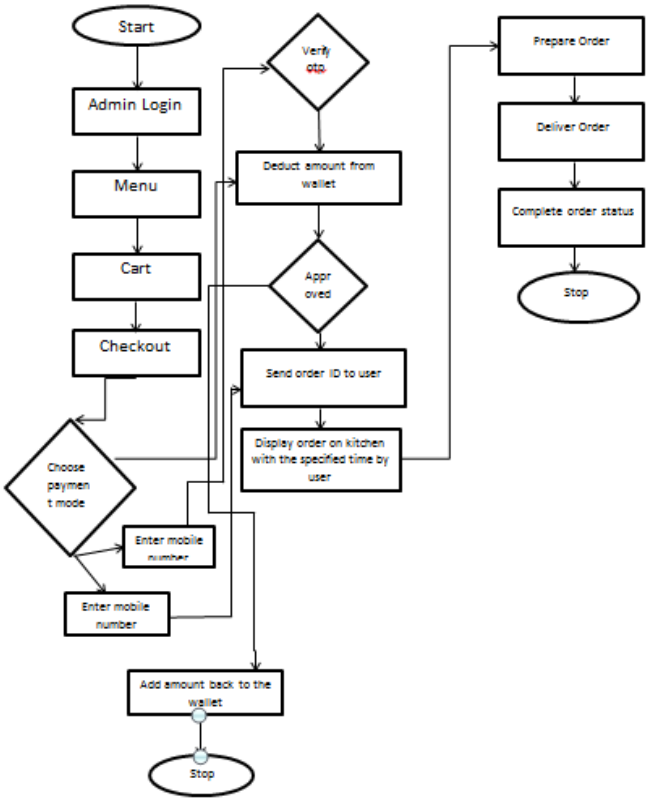

Figure 3.1 Main Frame Architecture

- Login

Users need to login with a valid login credentials in order to access the application

There are 2 users

1) Admin
2) Users (students, staff, etc).

Admins can recharge the wallets. They can add and manage the menu.

Users can view the menu and add to cart their orders. They can make payments

- Add / Manage Items-

You can add and manage items like you can add a item, pictures of the item, cost. This can be done only from the admins side

- Add Wallet Balance-

Only admin can add balance in student's wallet.

- View / Update Orders-

Users can view their orders and also update if needed

4. CONCLUSION

The development of Canteen management system involved many aspects. The approach used may be a top-down one concentrating on what first, then how and moving to successive levels of details. The primary phase started with a close study of the issues and prospects of ordering in Foods.

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It is indeed matter of great pride & privilege to present our project

"Canteen management system app"

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