SMART CANTEEN SYSTEM

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Abstract: The Project "Smart Canteen" allow the customers to register online, read and select the food from menu card and order food online by just selecting the food that the user want to have using web application. By using this application the work of the customer is reduced the benefit of this is if there is a rush in the Canteen then there will be chances that the waiters will be unavailable so the users can directly order the food online by using this web application. Many peoples visit the canteen in their morning session, lunch break and recess so they have limited time to eat and return to their respective work and colleges. So, this software helps them to save there time and order food whenever they want without calling the waiter again and again.

IndexTerms **- Food ordering**

I. INTRODUCTION

The main advantage of an online ordering system is that it greatly simplifies the ordering process for both the customer and the canteen. when the customer visits the ordering web page, they are presented with an interactive and up-to-date menu, complete with all available options and adjusting prices based on the selected options. After making a selection, the item is then added to their order, which the customer can review the details at any time before checking out. This provides instant visual confirmation of what was selected. Once an order is placed on the web page, it is entered into the database and then retrieved, in pretty much real-time, by a web-based application on the canteen's end. Within this application, all items in the order are displayed, along with their corresponding options and delivery details.

II. LITERATURE SURVEY

During the development of this software, we read through papers. A Review of Canteen management system using rfid technology based on cloud computing from department of Computer Engineering, University of Mumbai April 2017. This system is based on cloud, virtual money and RFID card. Hosting on cloud provides advantages of autoscaling, load balancing and eliminates the hardware cost along with the elimination of maintenance to a great extent. This software can be used on tablets, laptops and even smart phones. At times when the number of requests are at a particular time is huge like in cases of colleges it happens in the break time and same with other companies and institutes. This might result in a software crash; but this drawback is eliminated by load balancing feature of cloud. Also, backup of the stored data is available in case of a mishap or a disaster. All the user must get an RFID card by registering themselves with the manager and recharge the card with some amount. This card stores the mobile number of customer that will uniquely identify the customer, the card number and the balance in the card of the customer. If the card is lost or damaged it can be blocked by through the website or by requesting the administrator and a new card can be issued against the same mobile number. (The card can also be recharged online). To place an order, the student must provide the card to the staff taking the order who checks for sufficient balance and if found places the order

Admin Login

Admin can add and remove food items. Admin will add offers take orders update the inventory and print the bill.

Teachers Login

Teachers first see menu items then he/she can place an order. After ordering food they need to pay the bill through paytm or payumoney. They can pay the cash after delivery of food.

Student Login

Students first see menu items then they can place an order After ordering food they can pay the bill through paytm, payumoney and cash on delivery.

III. METHODOLOGY

In User login user need to register first After registration user can login into the system using ID and password, after login, user can see different types of menu items. User can select and buy the food and pay the bill by using different payment methods such as Cash on delivery, Paytm, PayUmoney. In Admin login admin can login into the system using ID and password, after that he can

see the details of the customer who request the food and he can maintain the food details. In Admin login admin can add new items, delete items and update the inventory. he can also see the payment details of each customer. User need to register first after registration user can log in and see different menu items. User can choose different food by clicking on add to cart button and place an order .After order place by user they need to pay the bill using cash on delivery paytm or Payumoney Admin can add items ,update the inventory see the details of food order by customer and generate bill.

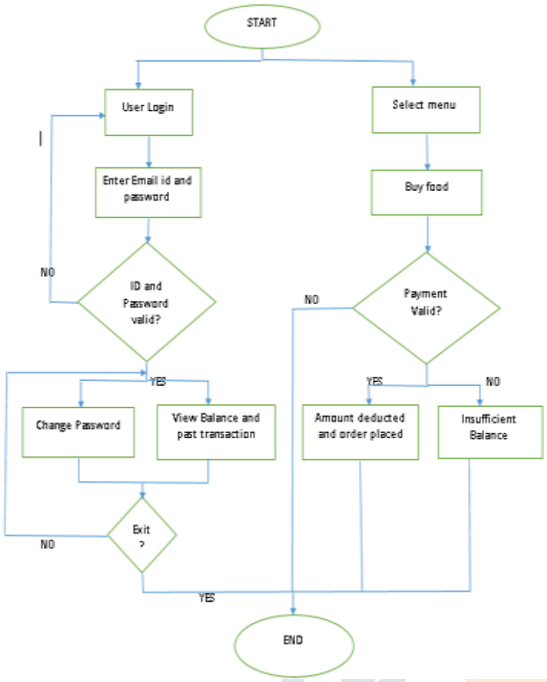

Fig. 1. Operational flow of the User Login

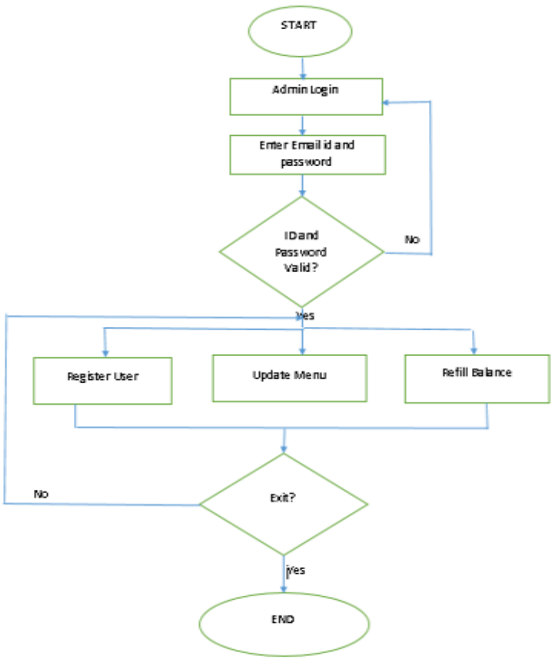

Fig.2 Admin login

IV. Conclusion

More efficient compare to manually work. Due to online process it saves time.The software application will comfort the customers who regularly order food from canteen. The customers can place order in a relaxed and pleasant way.

V. Acknowledegement

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