

CASHLESS CANTEEN SYSTEM

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ABSTRACT

The project cashless canteen system is the system of new automatic tradition for the adroitness. This project is based on the new digital system of India. This system is proposed as the method of payment will be through the way of online. In this application, the user can easily register and login through their credentials effortlessly and order the meal in prior basis in order to maintain the social distancing norms. It brings up all the necessities of both the user and canteens owner vigorously.

Index Terms: Adroitness, credentials, vigorously, norms.

I. INTRODUCTION

Now-a-days, we are facing a enormous pandemic dilemma which is bringing troublesome in the process of ordering food.

Every institution has their own inbuilt canteens with their own primary system. The whole process of payment consumes more time and labour work. The owner of the execution has to maintain all the records in their diaries or registers. Lots of time is spent in queues at a college canteen.

The proposed canteen system is effective in decreasing the amount of time spent in the queue to place orders straight away in the canteen cookhouse. This system is capable for ordering your meal on prior basis with the option of use E-wallet system that reduces time spent in tendering. The data of user can be stored in database easily. In the proposed system the mode is online.

We will be keeping a track of those items which are in high demands and mostly ordered by users so that it will be displayed on our home page for more information.

II. AIM AND PURPOSE

We aim to accomplish this task by creating a website for managing the canteen menu and orders. The web application would make use of HTML5, CSS3, JavaScript, Bootstrap, React JS for frontend, Wordpress and Node JS for the backend. User can reserve their meal through our website, it will be showing the user an order id and they can confirm their order by using that order id while going to the canteen for dine in with the payment receipt and they can make their payments via E-wallet as well as cash. The people who are left in the queue for dine in can still order their meal as in takeaway option is also available in our system. There will be gateway of SMS API in our system which would send short messages like Order Placed, Order Accepted, Order Declined, Wallet Recharge Successful and Order Delivered.

It has been seen that many websites had developed for this purpose but after seeing running situation we have decided to create a system that would restrict the count of orders for particular number of users at a given time for dine in. In order to continue, the social distancing for corona situation we are using the functionality of "Queue Data Structure".

III. CMS METHODOLOGY

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

(a.) Admin-

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

Add Canteen Menu: Admin will add a menu with the details like price and quantity of food items.

View/Edit/Delete Canteen: Admin can maintain all the records of canteen.

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

View/Edit/Delete Students: Admin can maintain the records of students by viewing, editing and deleting a student id.

Add Balance: A registered student can Load their wallet by paying cash to admin, which will be added to their wallet.

Withdraw: Check student's account and withdraw amount & same for canteen staff.

(b.) Canteen-

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

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

View/Edit/Delete/Enable Items: All the added food items will be manageable by the canteen staff and if the item is not available in the canteen then it will disable the food Item.

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

Update Status: Can update the order details.

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

Add Balance: A canteen person can add balance into student's wallet, which will be paid via cash by the student.

Withdraw: Only student can withdraw whenever required.

(c.) Student-

Login: Students need to login using valid email address to access the system.

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

Review & Place Order: Before placing an order, a review of order will be displayed and then student can proceed to pay. If wallet has low balance, then a student cannot make rest of payment via card.

Pop up message for Order: A pop up message will be appeared on screen once the order is placed.

Add Balance: Students can add balance to their wallet via card.

View Transactions: A Student can view all their previous transactions.

IV. Technology Stack

WordPress is an open source Content Management System (CMS), which allows the users to build dynamic websites and blog. WordPress is the most popular blogging system on the web and allows updating, customizing and managing the website from its back-end CMS and components.

The Content Management System (CMS) is a software which stores all the data such as text, photos, music, documents, etc. and is made available on your website. It helps in editing, publishing and modifying the content of the website.

There are plenty of WordPress plugins that display charts and graphs out there using basic charting tools. WordPress plugin is essentially a bit of code that “plugs in” to self-hosted WordPress site. In human terms, that means a WordPress plugin is something that adds new functionality to your WordPress site or extends existing functionality in the website.

One of the benefits of WordPress is that enterprising developers have written tens of thousands of WordPress plugins that can add to website.

Plugins can make everything from small tweaks to massive changes to site.

How to Create a Chart or Graph in WordPress Using an SQL Query—

Step 1: Build Database.

Step 2: Get the WP Business Intelligence Plugin.

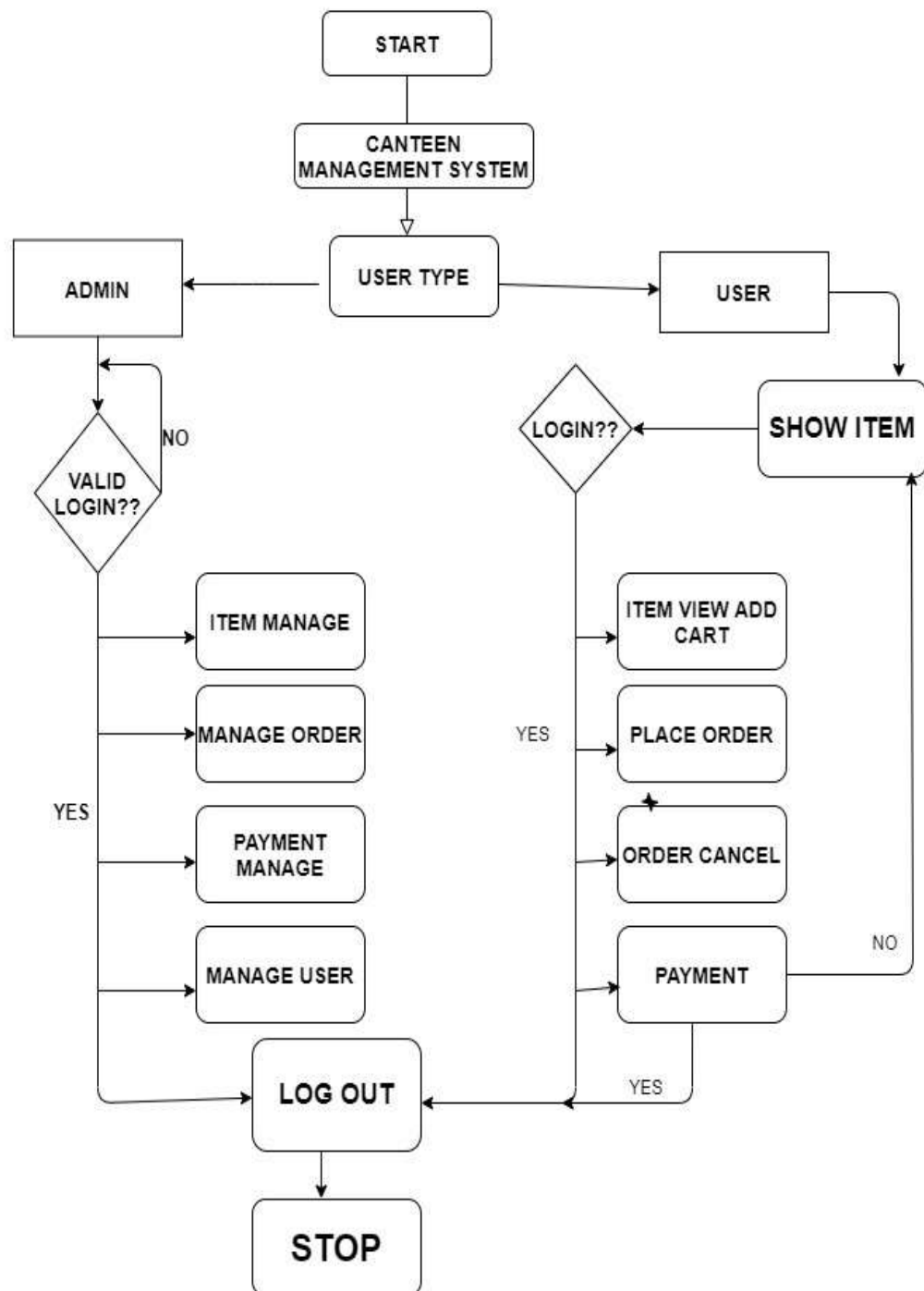
Step 3: Connect the Database to WP Business Intelligence.

Step 4: Construct an SQL Query.

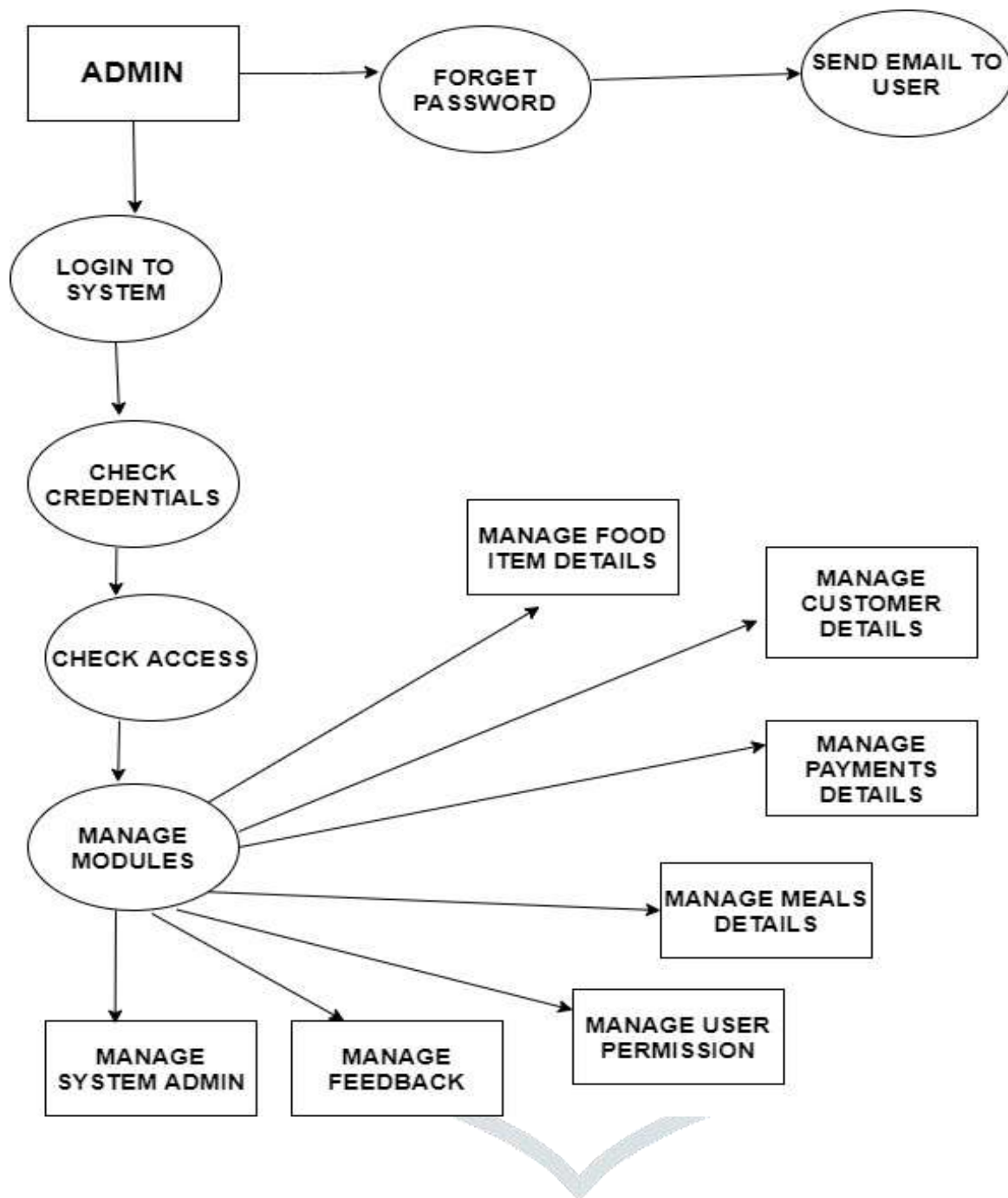
Step 5: Create Chart or Graph.

V. MODELING AND ANALYSIS

- FLOW CHART



- DATA FLOW DIAGRAM



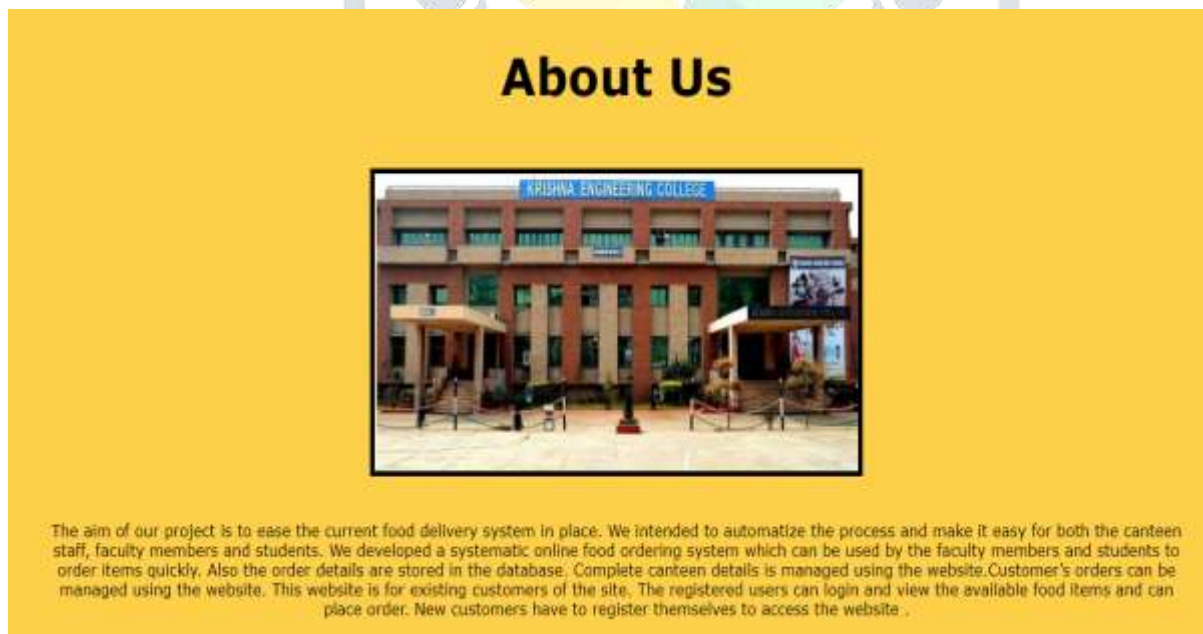
Text

VI. PROTOTYPE

This is the prototype of our website. Here is a home page, about us, service , contact us, login..





The is about us page which gives the brief information of Krishna Café.



Canteen is a place where every facility is provided. Food caterers offering a wide array of delectable dishes right at user doorstep. Food is the most important factor of any togetherness. If the guest list is extensive, it is better to call in for home canteens.

Take Away

Take Away is the option through which ordered food that made in a college canteen is then taken away to be eaten at home or elsewhere in college. Take Away option is hygienic for the purpose of the best food.

 <p>Food Ordering</p> <p>The choice of your food is here...</p> <p>You can order the food whenever you want...</p> <p>We will provide you better services...Thanks For Ordering</p>	 <p>Food Catering</p> <p>The choice of your food is here...</p> <p>Canteen: A Place where good ideas and bad decisions were take place...</p> <p>Thank You</p>	 <p>Take Away</p> <p>Food is very important to us...</p> <p>With Food Time is also important. So you can take away your food from here</p> <p>Thanking You...Visit Again</p>
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We provide the following facilities :

- **Food Ordering:** Student and faculty can order their food from their respective classes.
- **Food Catering:** This facility is for faculty .
- **Take Away:** We also provide Take Away facility. Take Away is the option through which food made in a college canteen is taken away to be eaten at home or anywhere in the college.

VII. Conclusion

We intended to automatize the process and make it easy for staff member, faculty and students. This web application is efficient in maintaining customer's details and can easily manage customer's order and also works to handles the information of the products available in a canteen. This web application also reduces the work load of the canteen. Due to the user friendly interface of the application, the particular viewer of the program can use the application easily. This website is for existing customer of the site.

Admin can monitor and maintain of track of the entirely going on in his business. In future, this system can launch software for easy online canteen facilities.

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