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Proposal for **Cafe Management System**

Project name: CafeExpress

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Introduction

Cafe Management Systems are an integral part of our daily life in this COVID situation. Due to its increasing demand, we are going to implement a Café management system by which general people will be able to get any types of snacks and café items very easily , the system is easily accessible and has very simple features to use. The software is the solution for an Internet cafe. The software provides you with a means to control the workstations, manage customer database, sell products and generate detailed reports and statistics. This is a powerful Cyber Cafe management software that helps with managing customers and employees, controlling computers and printers, securing systems, accounting and billing. It simplifies and automates running your Internet Cafe business. Unlike many other competitive programs, Cyber cafe management system is robust, quick, secure and very intuitive and easy to use. It doesn't matter how big your Internet cafe is - Cyber cafe management system is capable of controlling any number of workstations.

About our Cafe management System

A Cyber cafe management system is designed to be a complete solution for Internet cafes and to make life easier for Internet cafe owners, operators and customers. The basic task of our software is to provide operators and customers with an accurate timing and billing information at any time. Cyber cafe management system project is a standalone application which is developed in asp.net programming language using MS Access database. Cyber cafe management system keeps customer accounts, so that customers can log in on their own using username and password, printed account ticket with a

timecode or even a magnetic card. Objective of the project to develop an application project to manage the workings of a Cyber Cafe.

Repository link : https://github.com/Blue-Orchid1999/project_311_sum21_sec_4

Purpose and Benefits of CFMS project:

In existing system a lot of manual work has to be carried out. Large amount of paper work is involved which may cause high degree of error. Registration of user names, keeping records of user are done manually, which is time-consuming process and there is possibility of making errors. Administrator has to keep the track of time, which is tedious job. Once the user logs out, while preparing bill, he has referred to user details including name, login time and time allocated leading to possibility of causing errors in bill calculation. This may be unbeneficial to administrator. Hence also there is not accuracy in bill calculation.

Also a lot of files, records are required to store these documents thus making it difficult to maintain.

11 Benefits Of Cafe Management Systems:

1. Make the ordering process easier.

Traditionally, people had to make calls to place orders or drive to the restaurants for a take-out, then wait for the food to be prepared and delivered. Sometimes, placing an order on the phone means that there could be mistakes in order. Clearly, these aren't really the best solutions to order food from restaurants especially for people with busy lifestyles.

2. Technology leverage.

An online ordering system for Restaurants helps enhance the customer-restaurant relationship by providing end to end Customer Relationship Management (CRM) system. It provides a complete sales dashboard with information about new/active/canceled orders, lifetime sales details, etc. It also comes with an order management system that streamlines the entire ordering process starting from

order placement to final delivery. Whenever customers place an order, an efficient online ordering system sends notifications via email or SMS to help the restaurant staff make the order execution faster.

3. Monitor your expenses incurred in real-time

This is the greatest benefit of the online ordering system, it gives precise information about the cash flow in the restaurant. You get to keep track of costs incurred during preparing an order and compare it to the cost you are giving it to the customer, all this while keeping a track on the profitability. In a day when you receive hundreds of orders, an online ordering system will give you an accurate monetary translation of each order without having you look into cash registers.

4. Free and cheap marketing

Having a strong online presence simply means being in front of your customers 24X7 without having to pay for expensive media advertising and billboards. How? Internet is a free community and all you need is a user-friendly website and a decent social media engagement on social platforms like Facebook and Instagram to reach your target audience. All this comes at a fraction of the cost that you would have spent on traditional means of marketing and promotions.

5. Better customers data

Who are your regular customers? What do they like ordering from your restaurant? Which food items are popular? Are they aware of the promotions and offers on the website? Do they prefer ordering from a website or app? These and many other related questions can be answered using analytics and insights

provided by a robust online ordering system for restaurants. This data is valuable since you can use it to send targeted promotions to your customers and entice them to keep coming back. In-house solutions allow you to analyze ordering trends and customer preferences in depth so you can customize your menu, offerings, deals prices, and so on to provide a tailored experience to everyone.

6. Stay ahead of the competition

There are only 2-3% of restaurants in the world that offer online ordering facility. This is our chance to make the most of this opportunity and make your restaurants available to your customers on their fingertips. With the growing consumer demand for faster, more convenient ways to order, independent restaurants are investing in this new takeout technology to stay ahead in the competition.

7. The convenience of mobile ordering

From meetings to crowded areas, there are times when one may not be able to make a phone call to order food. Online ordering allows customers to order anytime, anywhere using their mobiles, tablets or other handheld devices. There is no need for the customer to reach out and make a call meanwhile disturbing their privacy or disrupting a meeting for a lunch order. With a mobile app, the customer can quietly place an order without the hassle of talking over the phone. A mobile-friendly website or app will make sure that you never lose a customer.

8. Greater reach

Your restaurant seating capacity maybe 100-200 at a time, or even less, but with online ordering, you can reach thousands of people at a time and cater to a much larger number without having to make any additional investment in staff or infrastructure. All you need is a well-integrated online ordering system and you are good to go!

9. Interactive environment.

Through new online tools, the interaction and communication part improved. Users get the food items in real time and the engagement is more toward being interactive.

10. Anytime, anywhere.

Any user can access this system from any where and they can order food anytime. So this will surely make their life easy.

8 Café Management System Features:

Finally, some common features found in the majority of Café Management Systems include:

1. Managing users, items, orders, and generating order slips.

This helps uploading users, items, and generating order slips.

2. Making a User page.

This feature helps in managing the user activities.

3. Landing page.

This is accessible by anyone as this page does not requires the registration or login. It basically represents our system to the people. This page contains some sections which can give a short idea about this system.

4. Administration.

This system is administrated by admins for that reason any type of issue will be wisely handled. So, no, system error can bother the users unexpectedly. It will give many advantages to the users as well.

User Story

Use Case 1:

Mr. Abc, the user need to registration to get the access of user features.

- a) He will click on the sign in option from the home page and will be redirect to the sign-in page, then He can create new user account and registration then he can log-in anytime after that.
- b) He want to order any item, he have to click the order option, enter the item code and his mobile number and address. Thus his order will be placed. After that he will be able to see his order slip. He can also manually check his order slips by clicking the option “order-slips”.

Use Case 2:

The admin of the system must log-in to access the admin features.

- a) He will see all the user information after log-in as admin. Then, he can delete or update any user information by this system.
- b) He can see the archive users as well by clicking this option.

Limitations of the CFMS

- Time required for validation and updating is more.
- Accuracy is less and incomplete.
- Repetition of work is going on
- Searching is difficult.
- limits community development.

Front-end plan

There are some templates in plan

1. Home page
2. Login page
3. Register page
4. Item details page
5. Users details page
6. User Welcome page
7. Order placing page
8. Order slip page
9. User archive page
10. Admin page.

Back end development

1. Account Creating, Password Recover:
 - a. Sign up form, verification by email.
 - b. Login
2. Order Placing :
 - a. Autofill user email and username.
 - b. Providing Order slips
3. Searching Users:
 - a. User search

Tools and Technologies:

1. Database: Mysql
2. Server: localhost
3. UI: html, css , javascript
4. PHP

Advantages:

1. Computerized system is completely automated thus user can operate easily.
2. Time required is very less to makes and search the records.
3. Computerized system generates online slips.
4. It reduces the data consistency and redundancy.
5. Computerized system is very helpful to display all records.

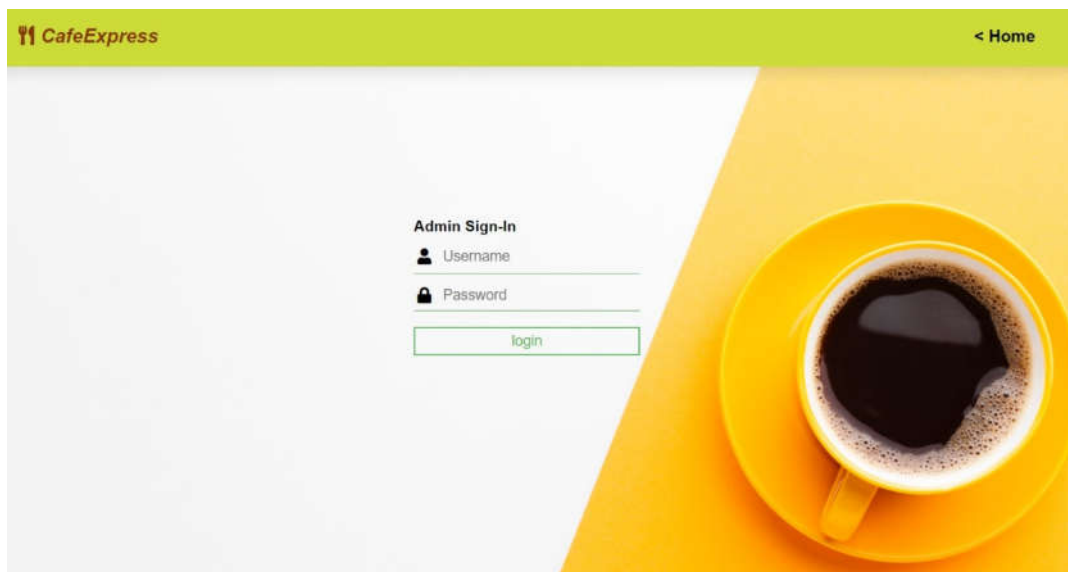
Price

Table 1: Expense Breakup for Development

SL	Deliverable	Expense	Comment
1	UI design	xxxxx	
2	Front end development (HTML)	xxxxx	
3	back-end development	xxxxx	
4	Database design (MySQL)	xxxxx	
6	Setting up middleware	xxxxx	
7	UI integration (HTML clean up and optimization)	xxxxx	
	Total	xxxxx	

Note: Price is excluding of any Tax, VAT and other levies.

Some Screenshots of Project:



Admin Login

CafeExpress

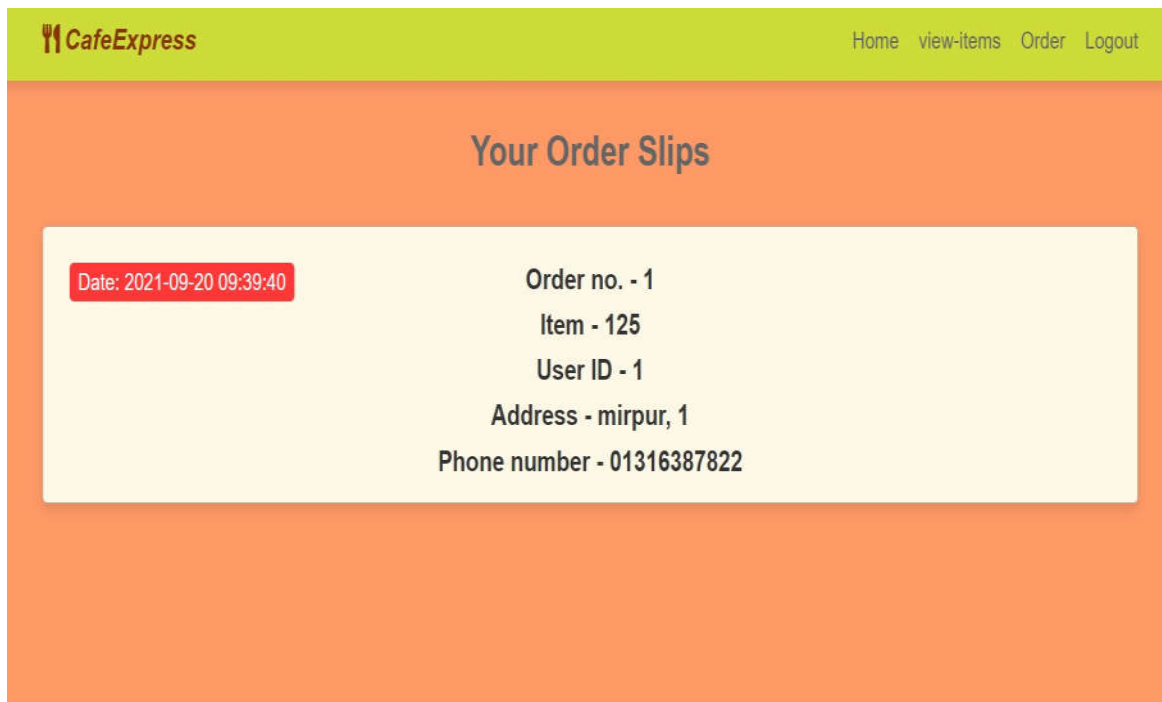
User-Archive Logout

Welcome admin1

Search user...

User ID	User Name	User Email	User-Password	remove/edit?
1	user1	user1@gmail.com	user1	<div>DeleteEdit</div>
4	user4	user4@gmail.com	user4	<div>DeleteEdit</div>
5	user5	user5@gmail.com	user5	<div>DeleteEdit</div>
6	user6	user6@gmail.com	user6	<div>DeleteEdit</div>

User Information



Order-Slips

Conclusion:

The basic task of our software is to provide operators and customers with an accurate timing and billing information at any time. Cyber cafe management system keeps customer accounts, so that customers can log in on their own using username and password, printed account ticket with a time code or even a magnetic card. It is possible to set any pricing you might imagine including periodic discounts on specific days or times, traffic and group discounts, time bonuses or points system. The software keeps inventory of products and services and supports POS devices such as receipt printers. Other important features include reservations, print control, remote screen and instant recovery of disk partitions. The software generates various statistics, which give detailed information about business performance

Appendix

Contact information

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