Online Bakery Shop (OBS) System

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Abstract— **This project is an online bakery shop that allows users to check for different bakery items available at the online shop and then purchase online. The project provides a list of bakery products displayed online in various categories. The user may browse through these items. If the user wants to purchase any product(s), he/she may add it to his shopping cart. An online bakery shop system acts as a central database containing various bakery products. It provides customers online shopping facilities from their homes. A customer can sign up for free, log in to his / her account can browse items of his / her own interest, and can view prices and other details of selected items, place items with preferred weights into the shopping cart and can select from payment options. After that, the user can check out. The user can select any payment option that he/she wish to, like through credit/debit card or cash on delivery. At checkout time, the items along with the ordered weights and the total amount to be paid presented as a ready order to the customer. At that time, more information will be needed to complete the transaction.**

Keywords— **Bakery, shop, customer, product, bill, price.**

INTRODUCTION

Nowadays most of the people are purchasing the product online rather than going to the shop to save time and to purchase the product of their choice in cheap rate anywhere and at any time but they are so many different websites that offer the same product in cheap price and the customer have to search in each website about the product and compare the product price which is time consuming. The examples of online business are food ordering, bus booking, flight ticket booking, hotel booking and others. Electronic or e-commerce food ordering systems are one of the popular online businesses. Various items of food can now shop through the internet such as fast food, bakery and others. Customers can view and select the product from bakery shop, add to cart, choose the delivery types, make payment, give rating and the order is complete.

However, most of the existing online bakery items ordering system was done only for single bakery shop and user have to download another app to compare the items, till now they have not included data mining technique in bakery shop system that helps both the bakery owner and customer to increase their efficiency and reduce the cost and time and also they do not have proper notification/bill services through email. To solve the above problem of existing system the online bakery shop system is been developed. The main motto of computerized bakery system is to make the workflow flexible and to improve the services provided to the customers. The bakery shop is part of a large food service chain that provides desired food items to the customers. The manager of this bakery shop is concerned about delivering on time for customer satisfaction. The first and foremost module is receiving order by the customer.

For every new customer a unique id is given. All the details of the customers along with their unique id are maintained in a database .so the customer need not specify all his address details each time he places an order. All details of the customer and his order along with his specifications is received and saved. Price varies according to the customer's specifications.

The implementation of this system has completely changed the existing norm of people moving into bakeries to get their orders because of their busy routines. So this system is more comfortable in the present busy life. and also the timeliness and punctuality keeps the customers satisfied. The aim of this proposed system is to build a system for bakery shop that include n-number of bakeries and help them to increase their sales and improve efficiency by predicting some features such as Fast, Slow moving product based on each day, depending on area which product have sold more and based on respective season/period which product have sold more (monthly, yearly)by incorporating data mining technique and also to develop an android application for user to purchase the product, search the product from different bakeries, get suggestion about the product of their choice and also to get notification/bill through email after delivery.

This online Bakery shop enables clients to check and buy different bakery items available online. The project comprises the list of bakery product displayed in different classifications and the client can browse through the items. A client can add the chose things it to his shopping cart. The client needs to register on the site before checking out. He would then be able to login utilizing same id password next time. Presently he may pay through a credit card or cash on delivery.

The client gets a copy of the shopping receipt on his email id after the successful transaction. Here we utilize easy to use interface to make the whole frontend. The middle tier or code behind model is intended for quick preparing. Furthermore, SQL fills in as a backend to store bakery shop items records information. In this way, the online Bakery shopping project brings a whole bakery shop web-based, making it simple for both buyer and seller.

PROJECT CONCEPT

In our Online Bakery Shop system customer need not go to the shop for buying the products. He can order the product he wish to buy through the application in his Smartphone. The shop owner will be admin of the system. Shop owner can appoint moderators who will help owner in managing the customers and product orders. The system also recommends a home delivery system for the purchased products as per the demand of the customer.

PROJECT OBJECTIVE

The objective of the project is to make a web application in desktop platform to purchase items in an existing shop. In order to build such an application complete web support need to be provided. A complete and efficient web application which can provide the online shopping experience is the basic objective of the project. The web application can be implemented so that buyers can directly order the products from the shop from their own place. This project is emphasizing on the easiness of finding the products for any user as per his requirement. Here we are planned the following modules for the implementation of the project. Each module has its own separate working and the design as per its use and role in the recommended system

1. User Module
2. Product Module
3. Shopping Module
4. Admin Module

PARALLEL DEVELOPMENT APPROCH

This model of methodology attempts to address the problem of long delay between analysis phase and the delivery of the system. Instead of doing design and implementation in sequence, it performs a general design for the whole system and then divides the project into a series of distinct subprojects that can be designed and implemented in parallel. Once all subprojects are complete, there is a final integration of the separate pieces, and the system is delivered. Here we had used the same technique for development. For this we had divided our main project into two sub projects or we can say in modules. First subproject

is to create a chat application and second one is the detection of the suspicious words present in the messages.

DEVELOPMENT TOOLS

I. PHP

The PHP Hypertext Pre-processor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. This tutorial helps you to build your base with PHP.

II. Sublime Text 3

Sublime Text is a shareware cross-platform source code editor with a Python application programming interface (API). It natively supports many programming languages and mark-up languages, and functions can be added by users with plugins, typically community-built and maintained under free-software licenses. Sublime Text is powerful where you need it to be, but simple and out of your way at the same time. Great keyboard shortcuts and multi-selection options. Great package manager installation process for easily extending functionality.

III. MYSQL

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation).
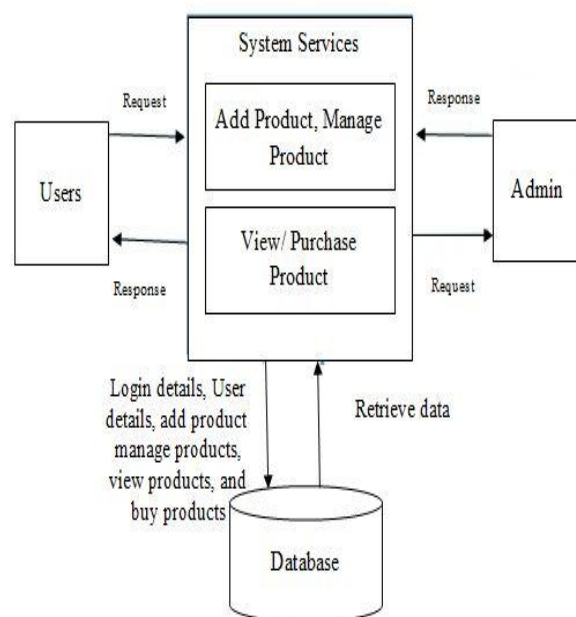
SYSTEM ARCHITECTURE

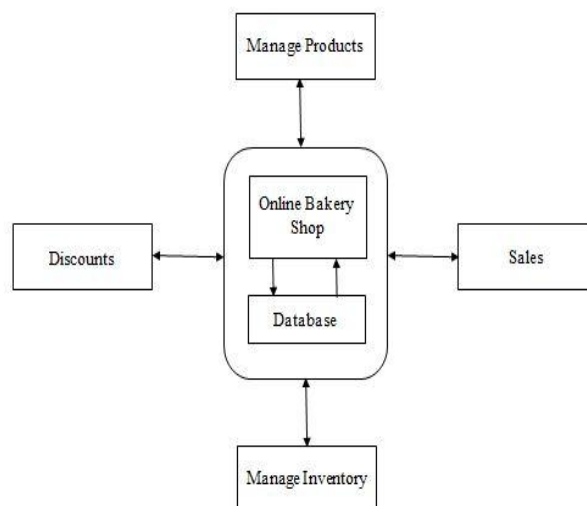**Fig No 1: Basic Architecture of the system**

SYSTEM DIAGRAM

Fig No 2: system Design
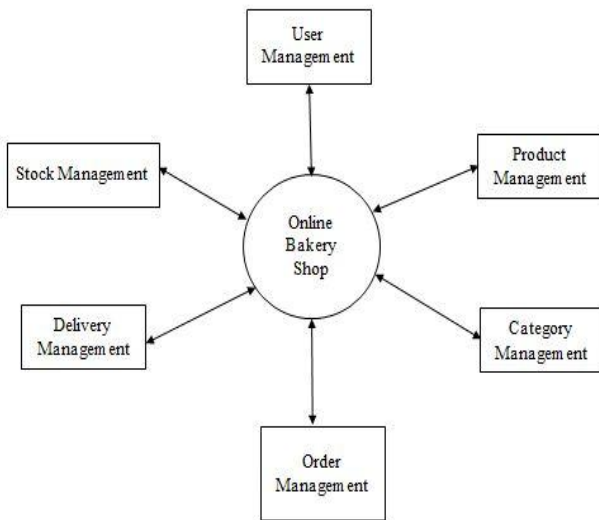
DATA FLOW DIAGRAM

Fig No 3: Data Flow Diagram

APPLICATIONS

1. This system can be used by owner of bakery shop
2. This system can be used by the one who wants to buy bakery products.
3. This system can be used in single Bakery shops.
4. This system can be used to sell like chain of Bakery shops from a single site.

ADVANTAGES

1. Quick, easy and Paperless, Safe, reliable and Top quality service.
2. Multiple options for selection and Creating & Changing Issues at ease.
3. Simple Status & Resolutions. Multi-level Priorities & Severities.
4. Attachments & Additional Comments for more information. Accuracy in work.

5. Decrease the load of the person involve in existing manual system.
6. Access of any information individually. Work becomes very speedy.
7. Helps Bakery shops to automate bakery selling online.
8. Helps Bakery shops to take cc payments.
9. Provides email confirmation on payment success.

LIMITATIONS/CONSTRAINTS

1. Requires Internet connection.

CONCLUSIONS

The web activation of the Internet has evolved into a variety of forms of e-commerce. In addition, the relationship between customers, intermediaries and end services has largely disappeared as a mediator role, enabling customers to enjoy more convenient benefits. By combining disintermediation strategies with traditional bakeries, a new paradigm of the bakery is possible. Minimize the relationship between customers and employees, quickly reflect customer wishes, increase the utilization of the store, and create economic benefits. By designing and ordering your own cake using your favourite ingredients on the homepage, you can reduce your efforts to find the products you want in your existing cake shop. Through clickstream analysis, you can see not only the movement of members registered in the OFU bakery but also the general visitors' interest. Based on this information, it is possible to obtain information about the product and to set the future direction. By referring to the gender, age, address, and the birthday of the customer you are buying or connecting to, you can suggest new products or recommend products that are right for your customers. Leverage click-stream behaviour to turn consumer clicks into detailed business insights that help grow your business.

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