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Online Bakery Shop

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Abstract: *The main motto of computerized bakery system is to sell the bakery items online. The bakery shop to a food service chain that delivers desired food items to the customers. Customers need to visit the bakery or the shop when they want to purchase the item this takes lots of time sometime and sometimes the item might not be available, so the customer might not get what he/she wants. The implementation of this system would completely change the existing norm of people moving into bakeries to get their orders because of their busy routines. The system will allow customers to order their food item online without the need of going to the shop to purchase it. Customers would get home delivery of their items. Through this system customer would get option such as online payment through credit/debit/net banking and they would get the option of cash on delivery. Therefore, the proposed system will satisfy all the needs of customers, as it is an online system.*

Keywords: Online Shopping, Bakery Products, Online Payments, MySQL, Data Flow Diagram

I. INTRODUCTION

The main goal for developing this project where customer can purchase an order on bakery product. The structure is very convenient for customer. They can easily buy the bakery products from home through internet. The system decrease a much of work load for customer. The product is directly delivered customer address by system online bakery shopping. The system functionality of products an order is stored on the admin side in web service. This project provides a lot of features to manage the product in well manner. This project contains details advance module that can make the backend system very powerful. E-Commerce that allows customer to buy a product forms a seller over internet. There had been an increasing demand for e commerce sites, in the past decades.

Online Bakery, especially have growing in popularity. Each of these sites is using recommendation system and algorithms. The Online Bakery Shop project is based on .NET(read as dot net) platform. The bakery is part of a large food service chain that provides desired food items to the customers in person and taking orders is also a part of this firm. The manager of this bakery shop is concerned about managing the bakery and also is keen about the customer satisfaction. The complex pat of business making is to maintain the firm, gather reports and know the revenue of the bakery. Thus the main theme behind this project is the facility to easily maintain the bakery and also collect orders to the customer via phone call and e-mail. This project gives major importance to customers by giving discount based on their purchase history. Thus the more the customer consumes the greater he becomes the asset of the company.

Purpose of the project : This Online Bakery Shop allows users to check and purchase various bakery products available online. The project consists of list of bakery products displayed in various categories and the user can browse through the items. User can add the selected items it to his shopping cart.

Existing system and Disadvantages

The Bakery Management System is working manually. The current system is very time consuming and costly, because it involve lot of paper work. To manually handle such a system is very difficult task. But now-a-days because of computerization this job is becoming easier. Following are the reason why the current system should be computerized.

Disadvantages of existing System:

- User must go to shop and select Bakery items.
- It is difficult to identify the required bakery item.

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- Description of the bakery item limited.
- It is a time consuming process
- Not in reach of distant users.
- It is less user-friendly.

Proposed system and it's Advantages

The main objective of the project is to design and develop a user friendly system.

- Easy to use and an efficient computerized system.
- To develop an accurate and flexible system, it will eliminate data redundancy.
- Computerization can be helpful as a means of saving time and money.
- To provide better Graphical User Interface (GUI).
- Less chances of information leakage.
- Provides Security to the data by using login and password method.

ADVANTAGES OF PROPOSED SYSTEM:

Save on transportation costs. Back when I was working away from home, I simply scheduled my time to swing by the bakery shop on the way home from work save time. A 28-mile round trip, plus whatever time it takes to shop can easily burn up an hour or more of my day.

II. LITERATURE SURVEY

For our project we are surveying some reports and references which are helping us to make it easy and simplest and they are as follows

The most favorable way of making your lifework a beloved brand is to make it available on the internet. by offering grate products 24 hours a day along with online customer service, blogs and social media, no longer is your business one singular store, with an online presence your business can be the home of your products and the general home of your business allowing you to fully expand your product ranges without having to worry about moving locations or worrying about not being able to expand your business.

An online store is available all day; every day meaning your customers can visit your store at all times, no matter what their schedule might be. These days people don't always have the time to physically go shopping, instead more and more people are choosing to shop online to find the items they want or need and if your business can offer this for your customers there's no you shouldn't appeal to wider range of customers all looking for a convenient and flexible experience.

In this website we used a Google based platform for the need of a database which will enable us to keep track of the user information. This service provided by Google is known as firebase which provides new developers and creators an advantage over the native MySQL database.

Firebase is completely free and it is operated via the browser and linked to your Google account. other majorly used software in the development process was Atom Text Editor. This is a free to use cross platform software used as a text editor for multiple coding languages. Atom includes support for languages like HTML, CSS, javaScripts, java, python, etc. Atom is just a text editor which is only used for writing /modifying the code and not an IDE. Our project was mostly return in the text editor and not in any IDE. Atom provides auto complete for the syntax which saves a lot of time and not needing to remember the syntax.

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III. METHODOLOGY

System Architecture / Block Diagram

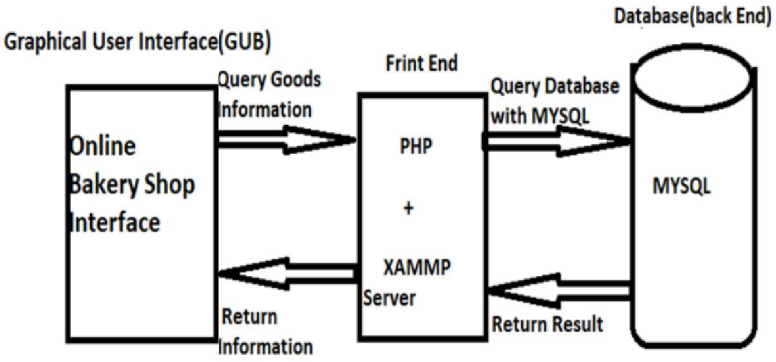

Fig. 1. Block Diagram

Architecture flow: Below architecture diagram represents mainly flow of requests from users to database through servers. In this scenario overall system is designed in three tires separately using three layers called presentation layer, business logic layer and data link layer. This project was developed using 3-tire architecture.

Component of an implementation plan

The following are the key components of and questions that drive a successful implementation plan :

1. Define Goals/Objectives: What do you want to accomplish? The scope of these goals will depend on the size of your undertaking.
2. Prepare Goals: While task deadlines and project timelines are going to be formally set within the enforcement plan, it is a good idea to outline your schedule in the implementation phase.
3. Allocate Resources: One of the important purposes of an implementation plan is to ensure that you have adequate resources such as time, money, and personnel to execute a project. So, gather all the data and information you need to determine whether or not you have sufficient resources, and decide how you will procure what's missing.
4. Depute Team Member Liability: Provide roles. This doesn't necessarily mean you must define who will execute each individual task, but you should create a general team plan with overall roles that each team member will play.
5. Define Metrics for Success: How will you determine whether or not you are successful? Define How You Will Adapt: Make a plan for how you will adapt, if necessary, to changes in your plan. Be sure to consider factors outside your control that could significantly alter the schedule or success of your project, and create emergent strategies ahead of time, so you don't get derailed down the road — doing so helps build a culture of flexibility, agility, and fast action.

Detail Working

To overawed all these problems that is mentioned in existing system, we are evolving a solution that is, as an alternative to go in shopping mall and store, we can chase for the good using our mobile, through internet make shopping easy. Delivery options are added in system that's help for customer. We can added products also delete in cart. The best service give to customer and money on distribution accessible that's makes a helpful system to customer. The duration of time taken by ultrasonic pulses to extend to the surface of the medium and back is used to control continuous level measurement. The improve angle during filling and emptying granulated solids and also the rough liquid surfaces effect the reflection of the ultrasonic pulse. This will also affect the measurement of Chemical and physical properties of the medium don't affect the measurement result. Hence the abrasive and aggressive, viscous and adhesive media will be simply measured.

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IV. PROJECT DESIGN

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modelling its process aspects. A DFD is often used as a preliminary step to create an overview of the system without going into great detail, which can later be elaborated. DFDs can also be used for the visualization of data processing (structured design). A DFD shows what kind of information will be input to and output from the system, how the data will advance through the system, and where the data will be stored. In proposed system DFD diagram shows the first step to create a project overview. In DFD diagram there are 3 entities such as Admin, Operator, and Customer. The data flow diagram (DFD) is one of the most important modelling tools. It is used to model the system components. These components are the system process, the data used by the process, an external entity that interacts with the system and the information own in the system.The design plan includes detailed diagrams and schematics of the system, as well as descriptions of the various components and how they will work together to provide a seamless and user-friendly experience for the Ordering Bakery Products. We are confident that our project design plan is comprehensive and well through-out, and we look forward to receiving feedback and guidance from our allocated guide. We are eager to begin implementing the plan and moving forward with the development of our Bakery Management System Analysis

DFD Level 1

Shows DFD which shows how the information moves through the system and how it is modified by a series of transformations. It is a graphical technique that depicts information and the transformations that are applied as data moves from input to output

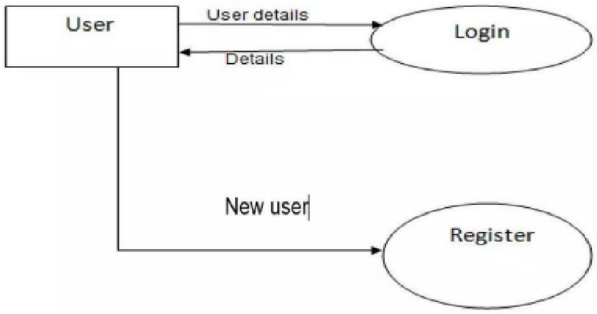

Fig. 2.Usere

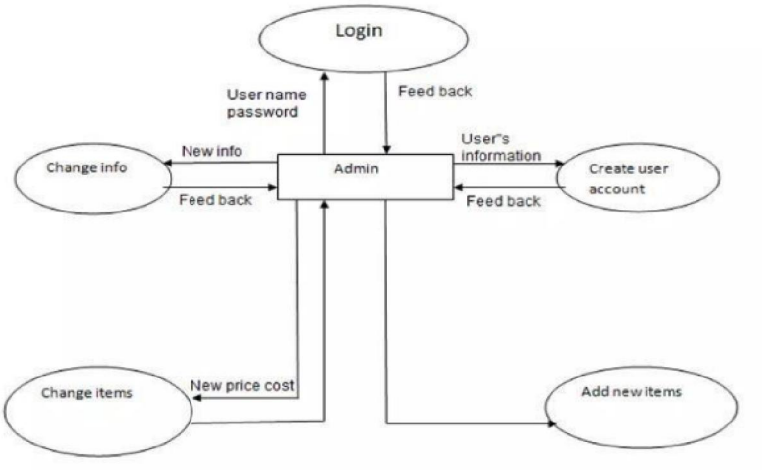

Fig. 3.Admin

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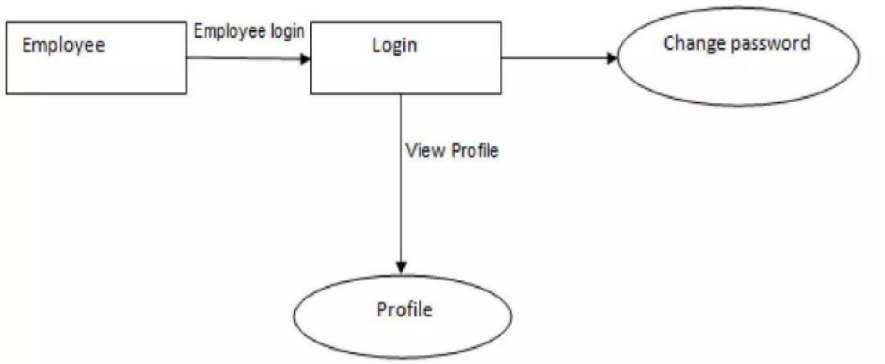

Fig. 4.Employee

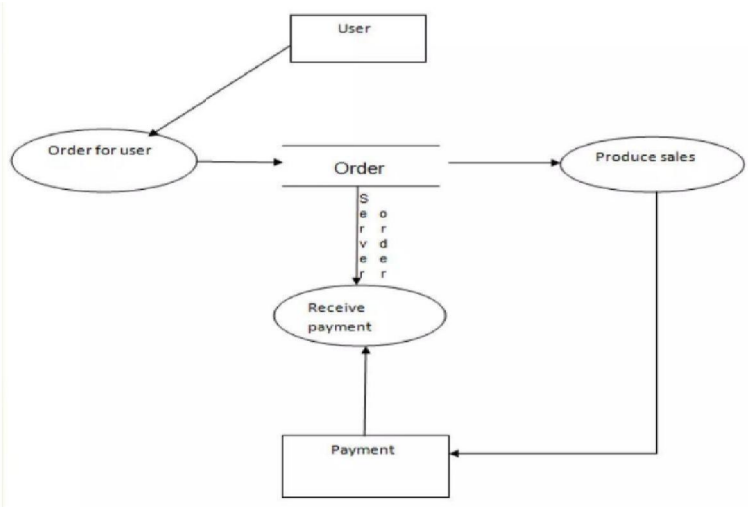

Fig.4. Payment

UML Diagram

UML stands for Unified Modelling Language. UML is a standardized general-purposemodelling language in the field of object-oriented software engineering. The standard is managed, and was created by, the Object Management Group. The goal is for UML to become a common language for creating models of object oriented computer software. In its current form UML is comprised of two major components: a Meta-model and a notation. In the future, some form of method or process may also be added to; or associated with, UML. The Unified Modelling Language is a standard language for specifying, Visualization, Constructing and documenting the artifacts of software system, as well as for business modelling and other non-software systems.

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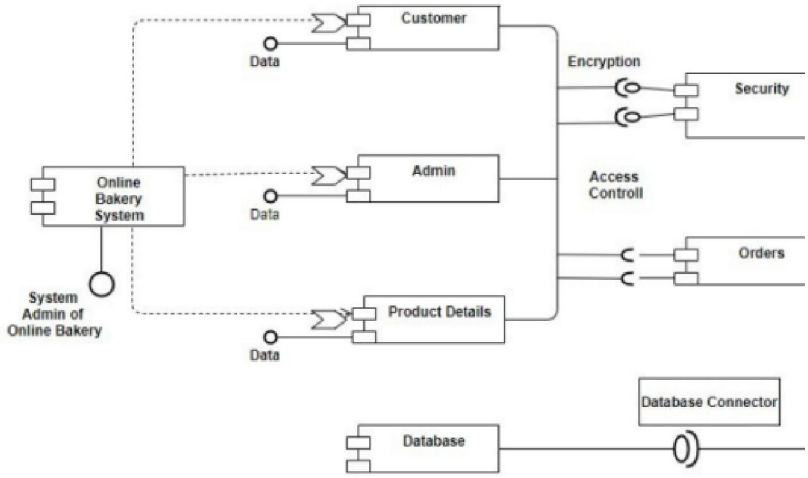

Fig.5. Component Diagram

System Module

User Registration: User can register on the system and get his online account on site. • User Login: User can login to system and check various bakery items. • Product Categories: The bakery product is arranged and can be viewed in categories. • Add to cart: Users can add new items to cart. • Custom Cake: User may order a custom cake as per his needed flavor, size, and shape on site. • Credit card payment: After total bill is calculated user can pay via credit card online. • Email confirmation: On successful payment a thank you message is sent to user

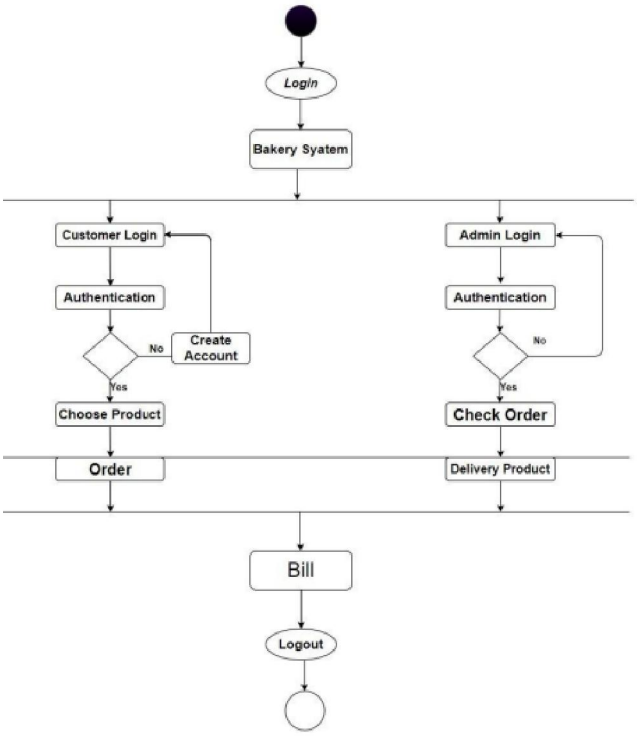

Fig.4.Activity Diagram

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V. CONCLUSION

This is our project "Online Bakery Shop" which an online bakery that will allow users to buy/purchase bakery items from their home without the need of visiting the bakery. The project is a website that is developed using Microsoft's ASP.NET framework along with HTML5, PHP, and Bootstrap. The main objective of this project was that, customer must be able to buy bakery items online; the system thus developed meets all the basic requirements. Many efforts were required for developing this project. Development of this website gave us a lot of satisfaction. We learned a lot about how software is developed. We also learned a lot about the .NET framework and used controls like repeater in our project.

ACKNOWLEDGMENT

It gives us great pleasure in presenting the paper on "Online Bakery Shop". We would like to take this opportunity to thank our guide, Prof. Falake G.N., Professor, Department of Computer Engineering Department, Samarth Polytechnic, Belhe, for giving us all the help and guidance we needed. We are grateful to him for his kind support, and valuable suggestions were very helpful.

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