GLA University, Mathura

SYNOPSIS

FOOD DELIVERY WEBSITE

Department of Computer Science & Applications

SUBMITTED TO :-

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Declaration

I hereby declare that the project work entitled "FOOD DELIVERY SITE" submitted to the GLA University, Mathura is a record of an original work done by us under the guidance of Mr. Akash Kumar Choudhary (Technical Trainee) of Department of Computer Science and Engineering.This project is submitted in partial fulfilment of the requirementsfor the award of the degree of Bachelors in Technology in Computer Science and Engineering.

Submitted by:

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Acknowledgement

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We also convey our gratitude to our honourable Dr. Rohit Agrawal,Head of Department,CSE for his guidance and support. We also do not like miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.We also want to thank our classmates and other students who helped and appreciated our work.Last but not the least,we also want to thank our parents for educating us,for their unconditional support

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<u>Certificate</u>

This is to certify that the Project Synopsis entitled "FOOD DELIVERY SITE" is submitted to SUPERVISOR Mr. Akash Choudhary(Technical Trainer) of the department of Computer Science and Engineering ,GLA University, Mathura in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a record of Bonafide Certificate carried out by :

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INTRODUCTION

Abstract

A food delivery website is an online platform that allows users to order food from local restaurants and have it delivered to their doorstep. The website typically features a user-friendly interface that allows users to browse menus, select items, place orders, and make payments using a variety of payment options. Many food delivery websites also provide users with the ability to track their orders in real-time, from the time it is picked up from the restaurant until it is delivered to the specified address. In addition, users can rate and review restaurants and delivery services, helping others make informed decisions. Food delivery websites provide a convenient and efficient way for users to order food from their favorite restaurants without having to leave their homes, making it a popular choice among busy consumers who value convenience and time-saving solutions. Restaurants can also benefit from these websites by gaining access to a wider customer base and increasing their revenue.

Motivation (Reasons for choosing this project)

The old manual system was suffering from a series of drawbacks.Since the whole of the system was to be maintained with hands,the process of keeping,maintaining and retrieving the information was very tedious and lengthy.The records were never in systematic order.There used to lots of difficulties in associating any particular transaction with a particular transaction with a particular context.If any information was to be found,it needed to go through the different regsiters,documents etc.There was unnecessary consumption of time and one of the buggest problems was finding errors while entering the records.Once the records were entered it was very difficult to update them.As a patient we face many difficulties when we want to get an appointment for a doctor in their chambers or places. When people get affected by illness they need to visit a doctor for checkup but they have to visit their chambers or hospital to get appointment. It is a lengthy process and wasting people's time. Sometimes people do visit doctor's chamber for health check but the doctor is not available some various reason. It's the only way to get to know when people just visited their places. It harasses people a lot. Besides people need an ambulance service to carry on patient to hospitals. Merely, people need to visit hospitals or clinics to hire ambulance, it is a time consuming process. Our motivation is, if we have an option to get this appointment very easily ,it would be best for all. Thus, we have planned to implement a Web-based doctor appointment system.

Problem Statement

The demand for online food delivery has increased significantly in recent years, and many consumers prefer to order food online instead of visiting a restaurant or cooking at home. However, the existing online food delivery platforms often face issues related to delayed deliveries, limited restaurant options, and a lack of personalization for customers. This creates an opportunity for the development of a new food delivery website that addresses these issues and provides a seamless experience for users.

Main Objectives of the project

The main objective of a food delivering website is to connect customers with local restaurants and enable them to order food online for delivery to their desired location. The website acts as a platform for customers to browse menus, place orders, and make payments online.

For the restaurant owners, the website provides a channel to increase their reach, attract new customers, and streamline their ordering and delivery process.

Overall, the main objective of a food delivering website is to provide a convenient and efficient way for customers to order food online and have it delivered to their doorstep while also helping restaurants grow their business.

Scope of the Project

Food delivery websites have become increasingly popular in recent years, particularly with the rise of online ordering and the convenience of having food delivered right to your doorstep. The scope of food delivery websites is quite broad, encompassing a wide range of services and features.

Firstly, food delivery websites offer customers access to a variety of restaurants and cuisines in their area. This allows customers to browse through menus, read reviews, and select the food they want to order. Some food delivery websites also offer discounts, loyalty programs, and other incentives to encourage repeat business.

Secondly, food delivery websites provide a platform for restaurants to expand their customer base and increase their revenue. By partnering with food delivery websites, restaurants can reach a wider audience and benefit from the website's marketing and promotional efforts.

Thirdly, food delivery websites offer a convenient and user-friendly ordering process. Customers can easily place orders online, pay securely, and track the progress of their delivery in real-time. Food delivery websites also provide customer support to resolve any issues or concerns that may arise.

Lastly, food delivery websites are continuously evolving to meet the changing needs and expectations of customers. Many websites are incorporating new technologies such as artificial intelligence and machine learning to personalize the customer experience, improve order accuracy, and enhance overall efficiency.

Food delivery websites offer restaurants with marketing opportunities by featuring them prominently on their platforms and offering them discounts and promotions. This increases the visibility of the restaurant and helps them to stand out from their competitors.

In conclusion, the scope of food delivery websites is vast, ranging from providing customers access to a variety of cuisines and restaurants to providing restaurants with a platform to expand their customer base and increase their revenue. With the increasing popularity of online ordering and the convenience of having food delivered right to your doorstep, the future of food delivery websites looks bright.

Increased Revenue: Food delivery websites provide restaurants with an additional revenue stream. By partnering with food delivery websites, restaurants can reach a wider audience and increase their sales. This is especially true for small and medium-sized restaurants that may not have the resources to market their services effectively.

Feasibility Study

Feasibility study includes consideration of all the possible ways to provide a solution to the given problem.The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

Economical Feasibility

This is a very important aspect to be considered while developing a project.Wedecide the technology based on minimum possible cost factor
All hardware and software components has to be borne by the developer organization.

Technical Feasibility

This includes the study of function,performance and constraints that may affect the ability to achieve an acceptable system.For this feasibility study,we studied complete functionality to be provided in the system,as described in the system requirements and checked if everything was possible using the different types of frontend and backend platforms.

Operational Feasibility

No doubt the proposed system is fully GUI based that is very user friendly and all inputs to be taken all self-explanatory even to a layman. Besides, a proper testing and training has been conducted to let the users know the essence of the system.

Working methology of the project

The working methodology of a food delivery website is designed to be easy and convenient for users. The first step is for the user to register an account on the website, providing their personal details such as name, email, and phone number. Once the user is registered, they can browse the website and select the restaurant and menu items they want to order. After selecting the items, the user can place the order by adding the selected items to the cart and specifying the delivery address and time. To complete the order, the user pays using a secure online payment gateway that is integrated with the website.

Once the order is placed, the website sends an order confirmation to the user and the restaurant. The restaurant then prepares the food, and the food delivery company picks up the order from the restaurant and delivers it to the user's specified address. After the order is delivered, the user can provide feedback and ratings for the restaurant and the delivery service.

Throughout the process, the website provides customer support to users in case of any issues or concerns with the order. The working methodology of a food delivery website is designed to be seamless and streamlined, making it easy for users to order food from their favorite restaurants with convenience and peace of mind.

Software and Hardware Requirements

Software Requirements:

- HTML
- CSS
- JavaScript
- Bootstrap
- M.E.R.N.
- VS Code

Hardware Requirements:

- Windows 10 or above
- 512 mb RAM
- I3 processor and above
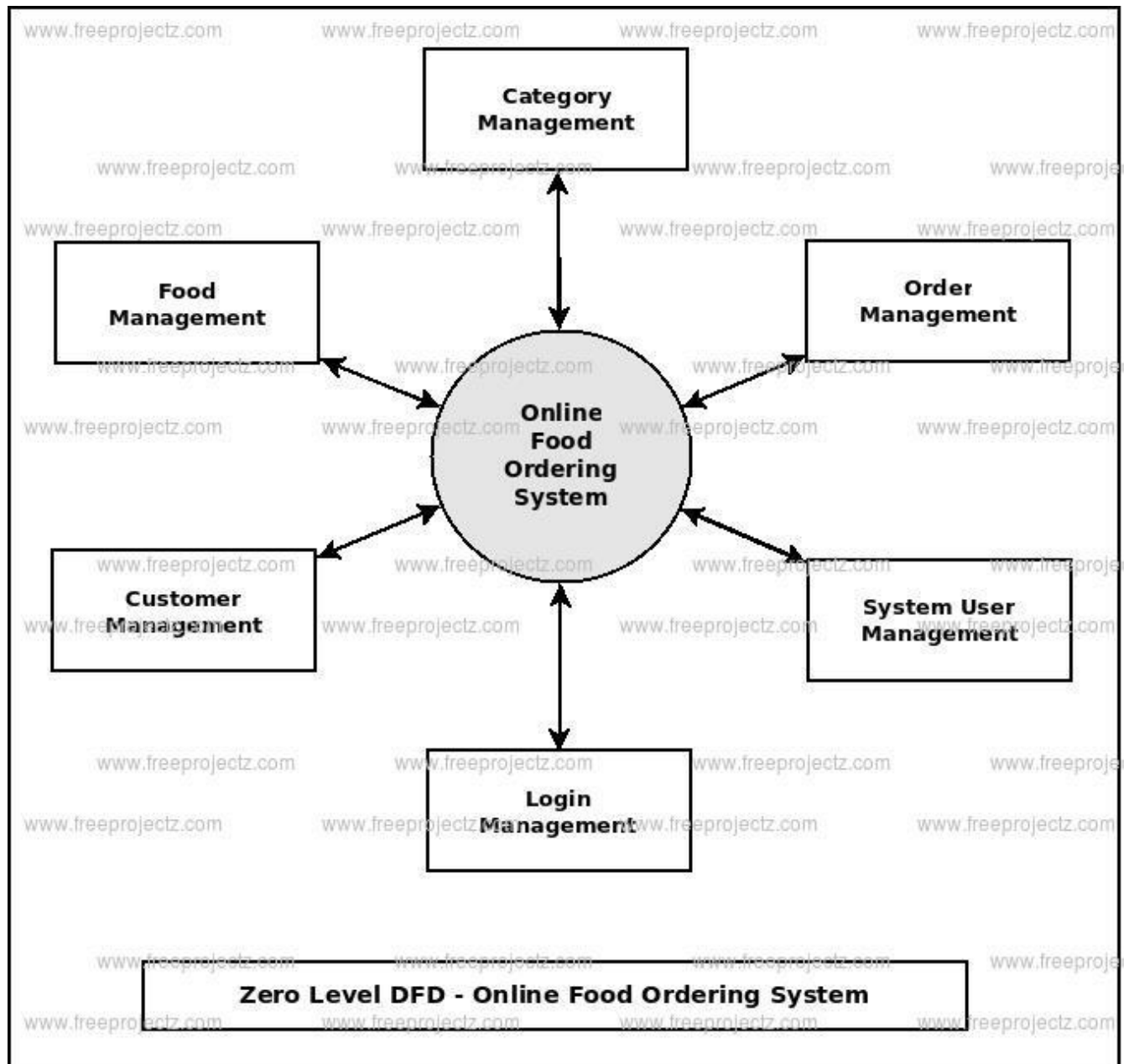
Module Description

The roles of the modules are as follows:

A food delivery website typically consists of several modules that work together to provide a seamless user experience. Here are some common modules you might find in a food delivery website:
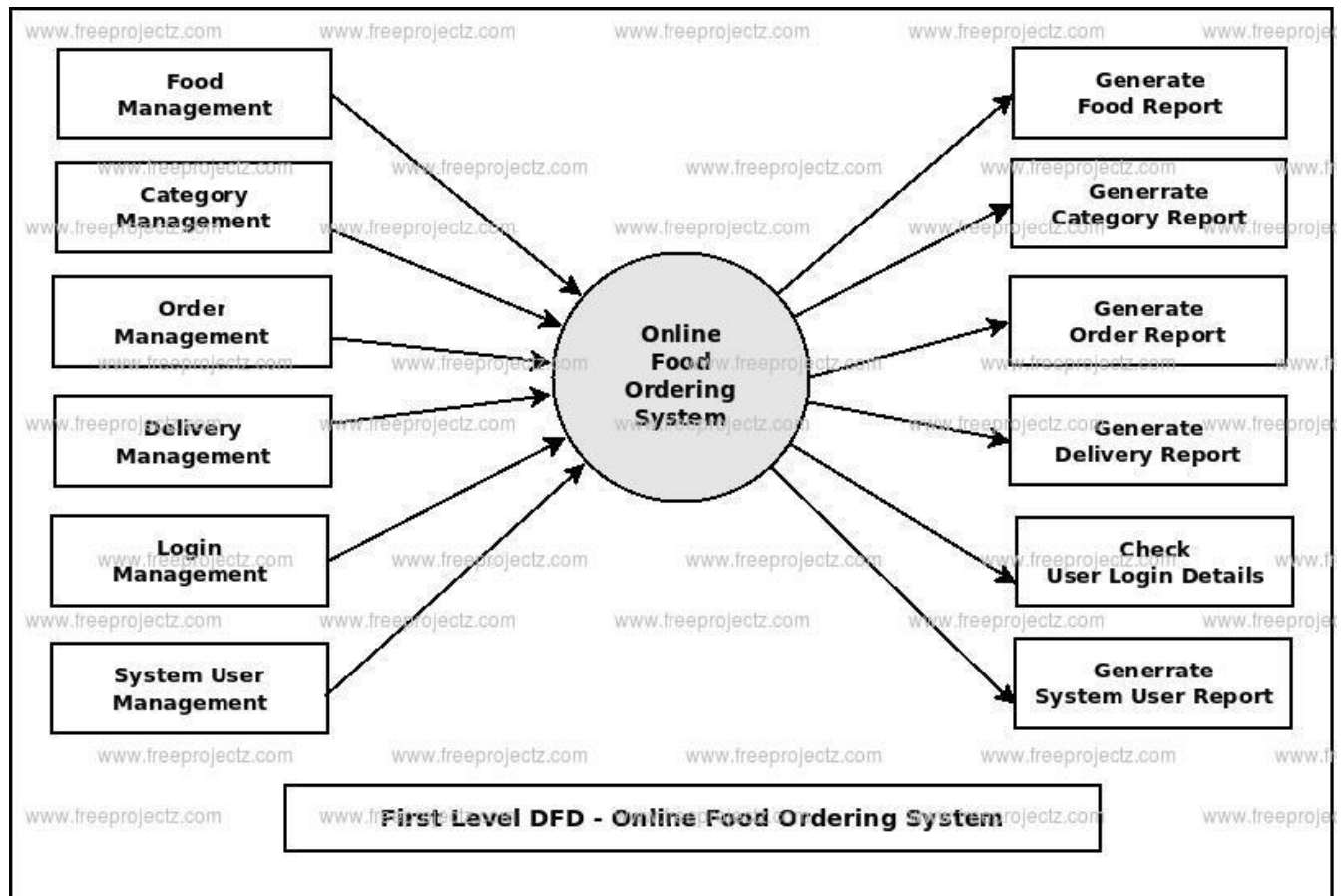
1. User Registration and Login Module: This module allows users to create an account on the website and log in to access its features. It typically requires users to provide basic personal information, such as name, email, and password.

2. Shopping Cart Module: This module allows users to add food items to their cart, view their order summary, and make changes before checking out.

3. Order Management Module: This module allows restaurants to manage incoming orders, track the progress of the delivery, and communicate with the delivery person.
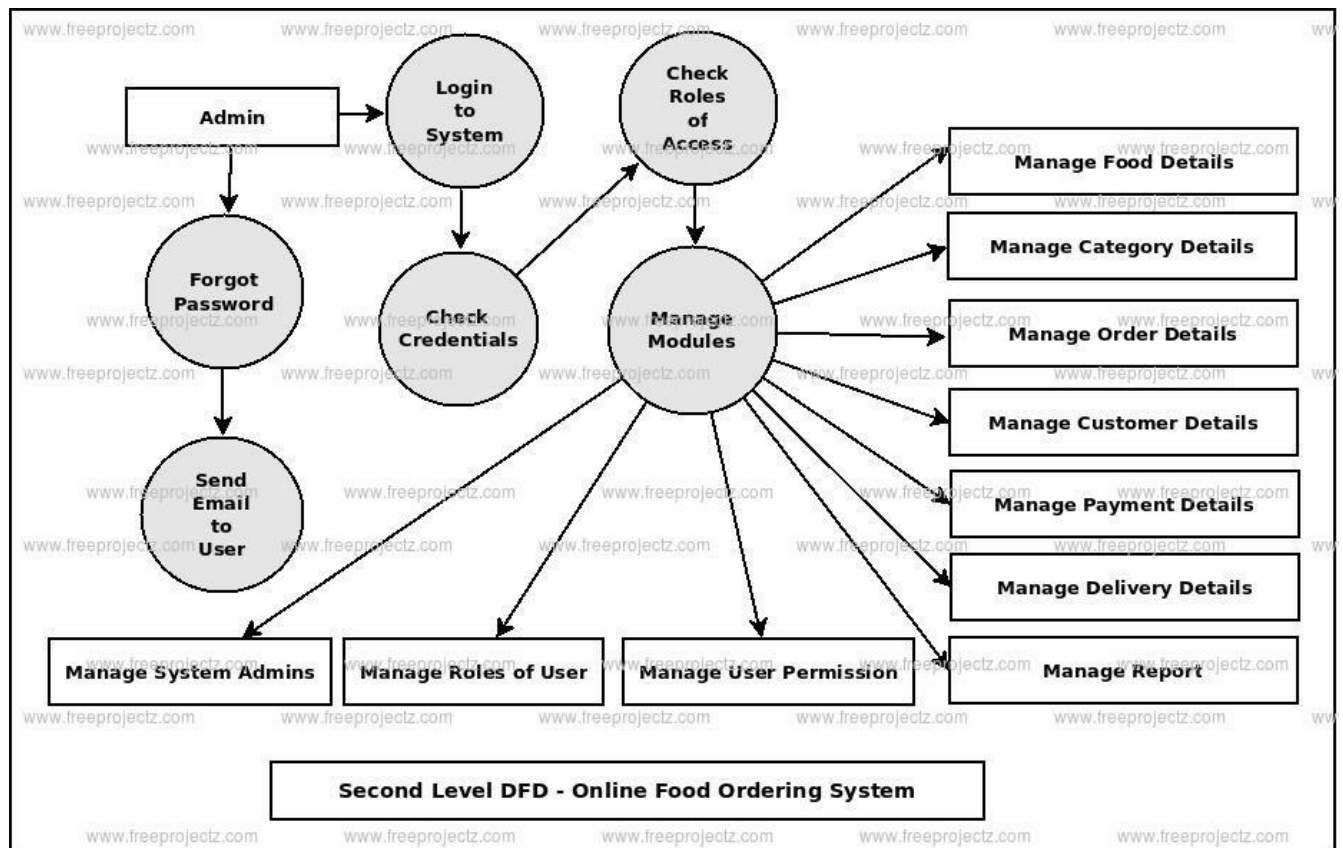
Overall, these modules work together to provide a seamless user experience, from browsing and ordering to payment and delivery, making food ordering and delivery easier and more convenient for both customers and restaurants.

Data Flow Diagrams

Zero Level DFD - Online Food Ordering System

Level 1 DFD for Patient Management

First Level DFD - Online Food Ordering System

Second Level DFD - Online Food Ordering System

Future Scope of the Project

The future of food delivery site looks as more and more people are turning to online platform to order food. Customers will expect faster, more convenient, and personalized service while also addressing concerns about health, sustainability, and environmental impact. Food delivery sites will need to adapt to these changes and innovate to stay competitive in the growing market.

The future of food delivery sites is bright with potential for increased personalization, drone and robot delivery, healthier options, integration with smart devices, and sustainability.

The food delivery industry is evolving rapidly, and there are many opportunities for food delivery sites to innovate and provide better service to their customers.

Conclusion

Creating a simple food delivery website can be a great way for restaurants to expand their reach and provide their customers with a convenient way to order food online. The website can be designed to be user-friendly and accessible, making it easy for customers to browse through the menu, place orders, and make payments online.

A well-designed food delivery website can offer several benefits, including increased visibility, greater customer engagement, and higher revenue. Customers can quickly and easily place orders, making the process more efficient for both the restaurant and the customer. Additionally, the website can offer features such as loyalty programs, discounts, and promotions, which can incentivize customers to place orders.

However, there are also some potential challenges that come with creating a food delivery website. Developing a user-friendly and visually appealing website can be a time-consuming and costly process. Additionally, maintaining the website and ensuring that it remains up-to-date and functional can require ongoing resources and investment.

Overall, a well-executed food delivery website can be an effective way for restaurants to improve their online presence and increase their revenue. However, it is important to carefully consider the costs and benefits of creating and maintaining a website, and to ensure that it aligns with the goals and resources of the restaurant.

Reference Websites:

1. https://code.visualstudio.com
2. https://nodejs.org/en/
3. https://developers.google.com
4. https://github.com
5. https://reactjs.org/

GitHub Repository link:

AnujAgrawal2004/food-delivery-site-using-mern-master (github.com)