FULLSTACK PROJECT REPORT

"FOOD DELIVERY WEBSITE"

Submitted by

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Declaration

We hereby declare that the work which is being presented in the Full stack Project "**FOOD DELIVERY WEBSITE"**, in partial fulfillment of the requirements for Mini Project viva voice, is an authentic record of our own work carried by the team members under the supervision of our mentor **Mr. Akash Kumar Choudhary**

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Certificate

This is to certify that the project entitled "Job Board Website", carried out in Full stack Project – I, is a bonafide work by Anuj Kumar Agarwal, Nandini Singh, Anjali kumari and is submitted in partial fulfillment of the requirements for the award of the degree Bachelor of Technology (Computer Science &Engineering).

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About the project:

A food delivery website is an online platform that allows customers to order food from various restaurants and have it delivered to their desired location. The website typically features a wide range of menu options from different restaurants, with a simple and user-friendly interface that enables customers to search, filter, and order food easily. Overall, a food delivery website should be easy to use, reliable, and provide a seamless experience for both customers and restaurants.

Motivation

There are several motivations for making a food delivery website. Here are some possible reasons:

1. Convenience: People nowadays are always on the go and may not have time to cook meals for themselves. By creating a food delivery website, you can provide a convenient solution for people who want to have food delivered to their doorstep.

2. Profitability: The food delivery industry is growing rapidly and can be a profitable business. By creating a food delivery website, you can tap into this market and potentially generate a significant income.

3. Expansion: If you already run a restaurant or food business, creating a food delivery website can help you expand your customer base and reach a wider audience.

4. Customer satisfaction: Providing a food delivery service can increase customer satisfaction as it offers an additional level of convenience for customers.

5. Competition: In a highly competitive food industry, offering a food delivery service can give you an edge over your competitors and attract more customers.

Overall, creating a food delivery website can offer numerous benefits and be a smart business decision for those in the food industry.

Requirements

a) Software Requirements:

- Technology Implemented: Full Stack Web Development
- Languages/Technologies Used: HTML, CSS, JAVASCRIPT
- IDE Used: Visual Studio Code
- Web Browser: Google Chrome

- GitHub: GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere. GitHub Repository: A GitHub repository can be used tostore a development project. It can contain folders and any type of files (HTML, CSS, JavaScript, Documents, Data, Images). A GitHub repository should also include a license file and a README file about the project. A GitHub repository can also be used to store ideas, or any resources that you want to share.

- Visual Studio Code: Visual Studio Code is a free source- code editor made by Microsoft for Windows, Linux and macOS. [7] Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality. Microsoft has released Visual Studio Code's source code on the VS Code repository of GitHub.com, under the permissive MIT License,while the compiled binaries are freeware.

b) Hardware Requirements:

- Processor Required: Intel i5
- Operating System: Windows 11
- RAM: 16GB
- Hardware Devices: Computer System
- SSD

<u>Acknowledgement</u>

We thank the almighty for giving us the courage and perseverance in completing the project. This project itself is an acknowledgement for all those people who have given us their heartfelt co-operation in making this project a grand success. We extend our sincere thanks to Mr. Akash Kumar, Technical Trainer at "GLA University, Mathura" for providing his valuable guidance at every stage of this project work. We are profoundly grateful towards the unmatched services rendered by him. And last but not least, we would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation in doing the main project.

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**.**

Contents

Technology Used

MongoDB

MongoDB is a popular open-source document-oriented database management system that provides high performance, scalability, and flexibility. It is designed to store and manage unstructured data, such as JSON documents, making it well-suited for modern web applications that handle large volumes of data.

One of the key features of MongoDB is its ability to scale horizontally, allowing it to handle large amounts of data and traffic with ease. It uses a distributed architecture that allows data to be spread across multiple nodes in a cluster, which helps to improve both performance and reliability.

Another advantage of MongoDB is its flexibility, which allows it to be used for a wide range of applications and use cases. It supports a variety of data structures, including nested and hierarchical data, and provides a rich set of querying and indexing features that make it easy to work with and analyze data.

Overall, MongoDB is a powerful and versatile database system that is well-suited for modern web applications and other data-intensive use cases. Its scalability, flexibility, and performance make it an attractive choice for developers and businesses alike.

EXPRESS JS

Express.js is a popular open-source web application framework for Node.js that simplifies the process of building web applications and APIs. It provides a lightweight and flexible architecture that allows developers to quickly and easily create scalable and modular web applications.

Express.js is known for its minimalist design, which makes it easy to use and customize. It provides a wide range of features and middleware that can be used to handle requests, routes, views, and more. Additionally, it has a large and active community of developers who contribute to its ongoing development and maintenance.

One of the key advantages of Express.js is its versatility. It can be used to build a variety of web applications and APIs, including single-page applications, real-time applications, and more. It also integrates seamlessly with other popular tools and technologies, such as MongoDB, React, and Angular.

Overall, Express.js is a powerful and flexible web application framework that simplifies the process of building web applications and APIs. Its minimalist design, versatility, and active community make it a popular choice among developers for building scalable and modular web applications.

Node JS

Node.js is built on top of the V8 JavaScript engine, which is the same engine that powers the Google Chrome web browser. It provides a non-blocking I/O model and event-driven architecture, which allows it to handle large amounts of data and traffic with ease.

One of the key advantages of Node.js is its ability to handle real-time, data-intensive applications. It provides a wide range of modules and libraries that can be used to handle tasks such as networking, file I/O, and database access. Additionally, it has a large and active community of developers who contribute to its ongoing development and maintenance.

Node.js is also known for its speed and scalability. It can handle large volumes of concurrent connections and requests, making it ideal for building scalable and high-performance web applications.

React JS

React is an open-source JavaScript library that is used for building user interfaces. It was developed by Facebook and has gained immense popularity due to its ease of use and scalability. React enables developers to create reusable UI components and makes it easier to manage the state of an application.

One of the key features of React is its ability to create declarative views that make the code more predictable and easier to debug. This is achieved through the use of a

virtual DOM (Document Object Model), which is a lightweight representation of the actual DOM. When changes are made to the virtual DOM, React efficiently updates only the necessary parts of the actual DOM, reducing the need for expensive DOM operations and improving performance.
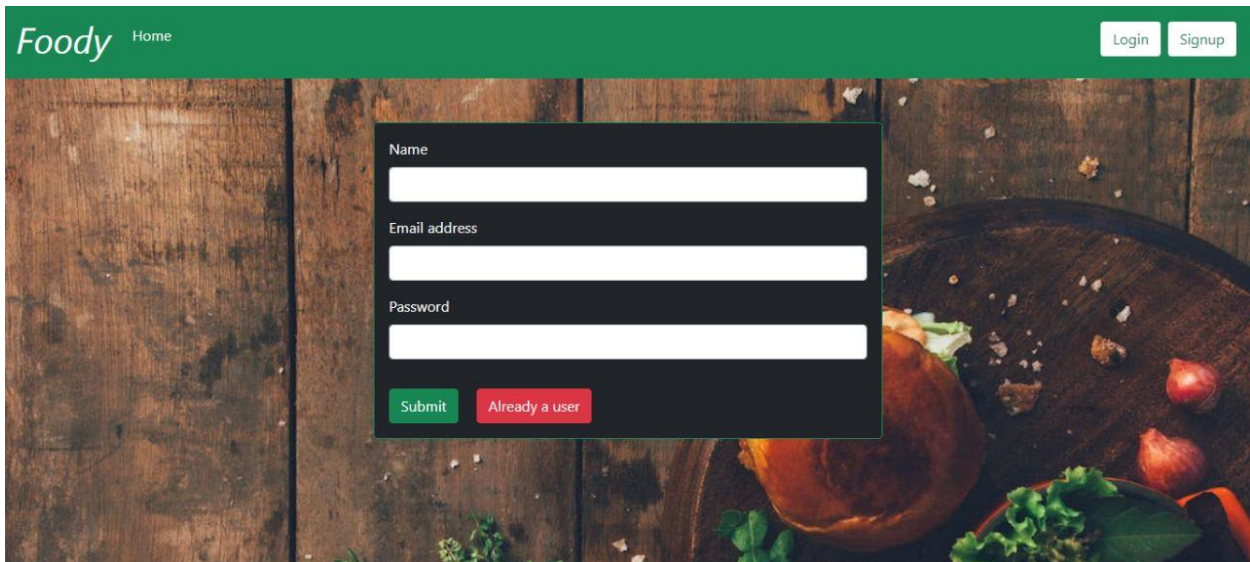
React also supports the use of JSX (JavaScript XML), which is a syntax extension that allows developers to write HTML-like code in JavaScript. This makes it easier to create complex user interfaces and simplifies the process of integrating JavaScript and HTML.

React can be used with other technologies such as Redux for state management, React Router for routing, and Node.js for server-side rendering. It is also widely used in conjunction with other front-end frameworks such as Angular and Vue.

In summary, React is a popular JavaScript library that enables developers to create highly scalable and reusable user interfaces using a declarative approach and a virtual DOM. Its popularity is due to its ease of use, scalability, and support for other technologies.

LIST OF FIGURES

SIGN UP PAGE:
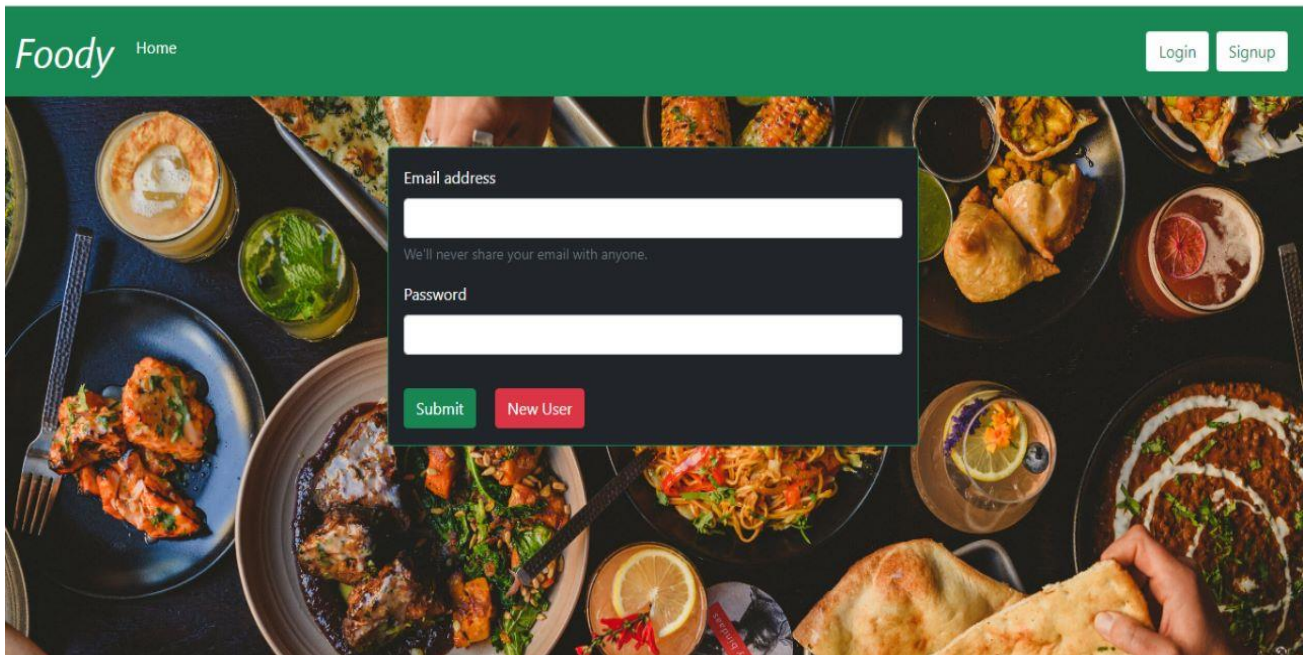

signup page is a crucial element of any website that offers user registration. It plays a vital role in user acquisition, data collection, security, user engagement, and conversion optimization.

The signup page is an essential part of website security. It allows website owners to verify user identities and protect their website from fraudulent activity.

SIGN IN PAGE

The sign-in page is a crucial element of a website, as it provides users with a way to access their account and use the features or services provided by the website. Here are some of the reasons why the sign-in page is important:

A sign-in page ensures that only authorized users have access to the website's features and data. By requiring users to enter their username and password, the website can authenticate the user's identity and prevent unauthorized access to sensitive information.
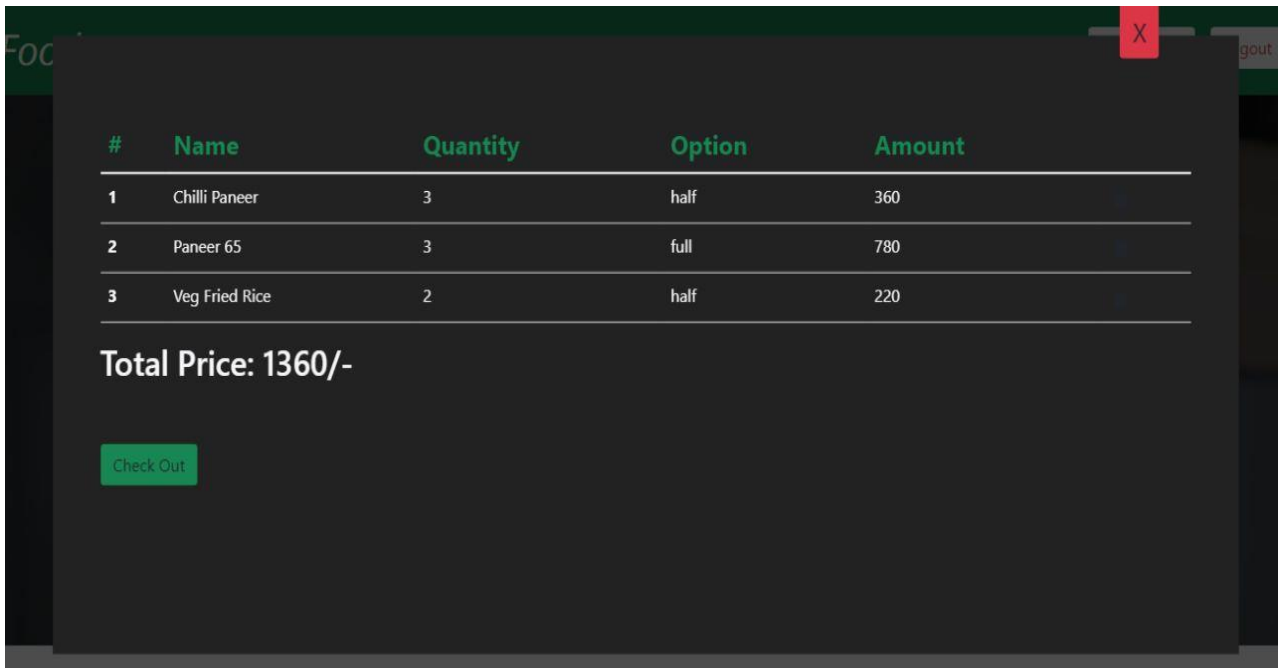
HOME PAGE:
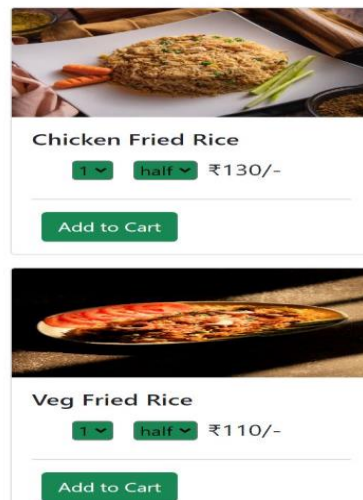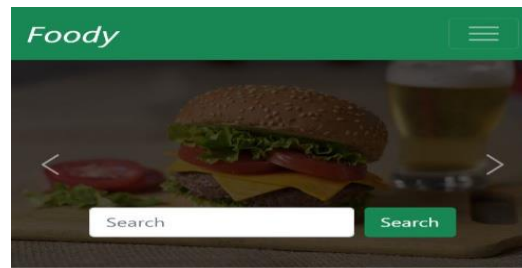
The home page of a website is the main entry point for visitors and usually contains a summary of the website's purpose, offerings, and navigation options. It is often the first impression visitors have of the website, and as such, it is important for the home page to make a strong impression and be easy to navigate.

ORDER PAGE:

#	Name	Quantity	Option	Amount	
1	Chilli Paneer	3	half	360	
2	Paneer 65	3	full	780	
3	Veg Fried Rice	2	half	220	

**Total Price: 1360/-**

Check Out

The order page in a food delivery website is a critical component that enables customers to select, customize, and pay for their food orders. Here are some of the features that you may find on an order page of a food delivery website:

1. Menu selection: The order page should display the menu items that are available for purchase. This can include categories such as appetizers, entrees, desserts, and beverages. Each item should be accompanied by a description, price, and photo if possible.

2. Customization options: Customers may want to customize their order by specifying things such as the quantity, size, toppings, or sides. The order page should provide options for customization to make it easy for customers to get the order they want.

3. Delivery options: The order page should include options for delivery, such as the delivery address and preferred delivery time. It should also display the delivery fee if applicable and any minimum order requirements.

4. Payment options: The order page should allow customers to pay for their order using different payment methods, such as credit card, debit card, PayPal, or cash on delivery.

5. Order review: Before submitting the order, the customer should be able to review their order details, including the items selected, customization options, delivery address, and payment method. The order page should provide a summary of the order and the total cost.

6. Order confirmation: Once the customer submits the order, the order page should display a confirmation message with the order number and expected delivery time. The customer should also receive a confirmation email or text message.

REVIEW ORDER PAGE
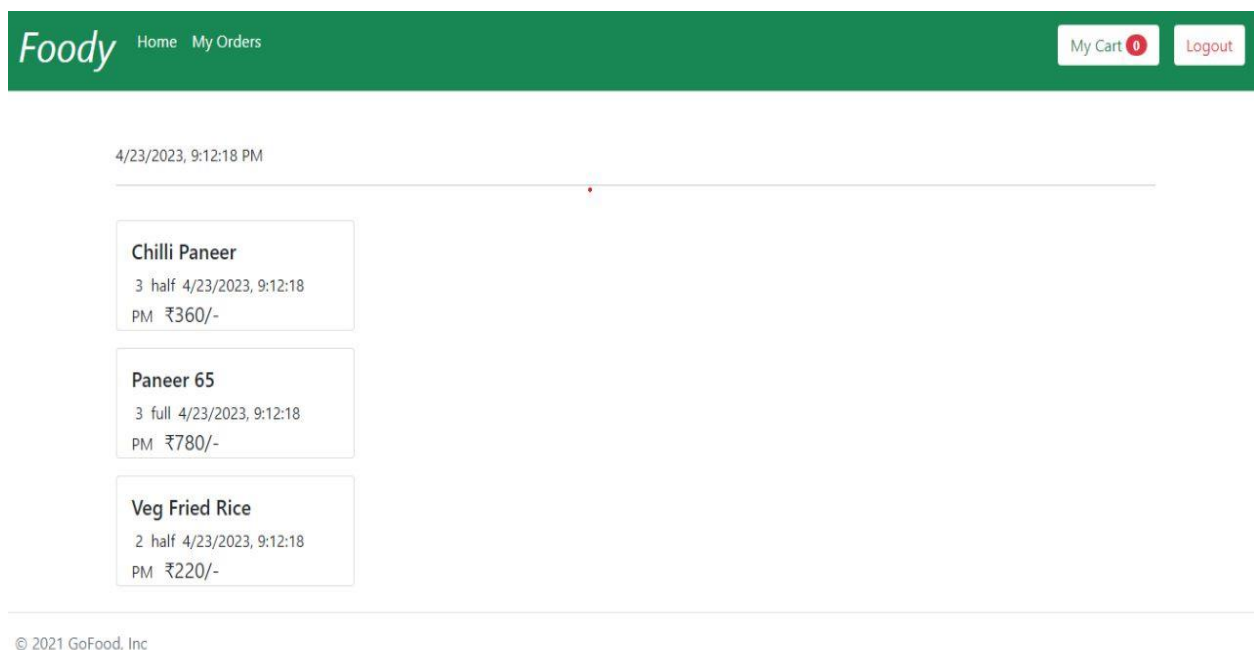
The review order page in a food delivery website is a web page that allows customers to provide feedback on their food delivery experience. This page typically appears after a customer has placed an order and received their food delivery.
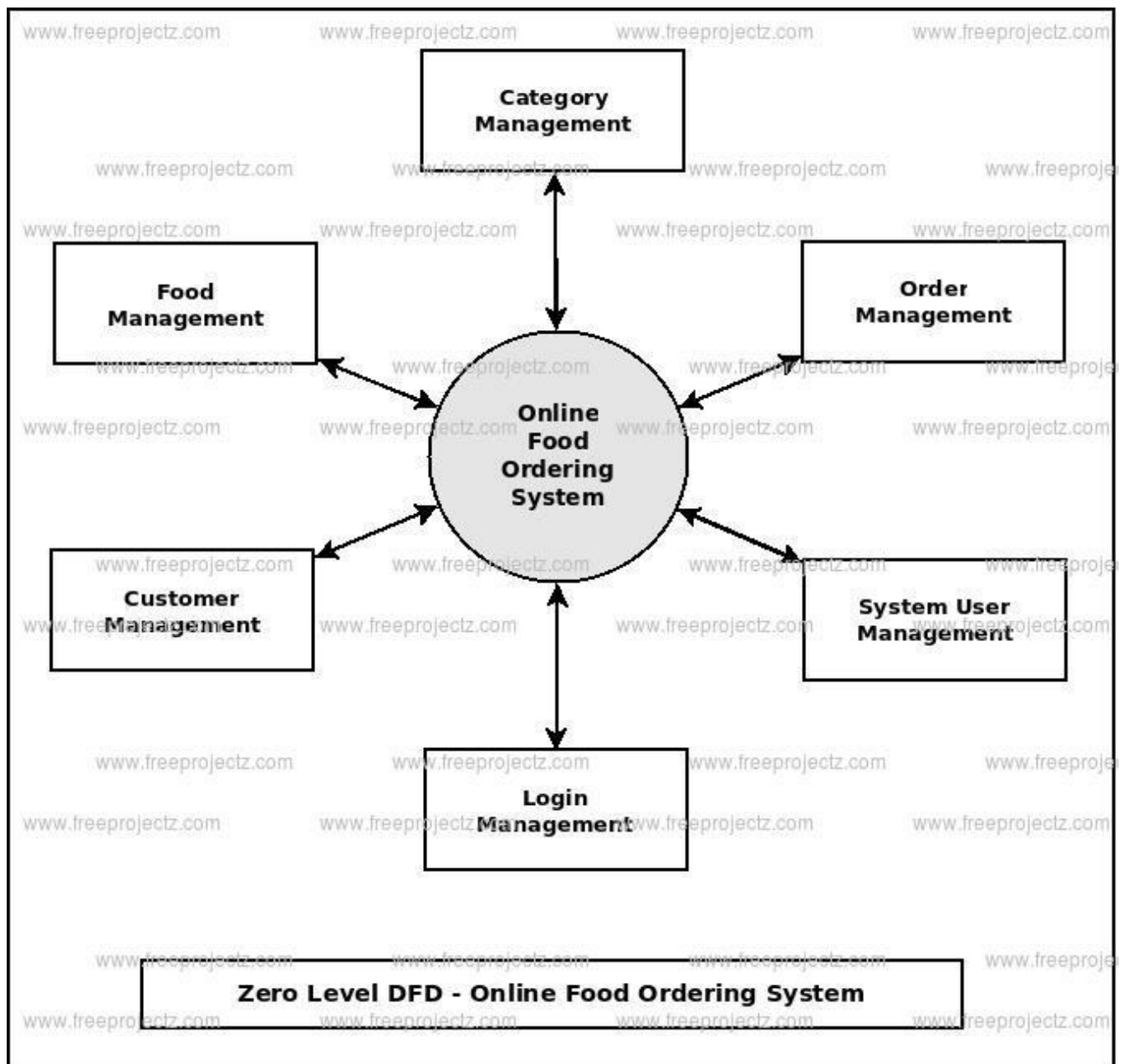
The review order page usually includes a form where customers can rate various aspects of their order, such as the quality of the food, the timeliness of the

delivery, and the friendliness of the delivery person. Customers may also have the option to provide additional comments or suggestions for improvement.

The purpose of the review order page is to gather customer feedback and use it to improve the food delivery service. The feedback provided by customers can help the website operator identify areas where they are excelling and areas where they need to improve. Additionally, the reviews can be used to showcase positive feedback on the website and social media, which can attract new customers.

Overall, the review order page is an important component of any food delivery website as it provides valuable feedback that can help improve the quality of the service and attract new customers.

Data Flow Diagram

Category Management

Food Management

Order Management

Online Food Ordering System

Customer Management

System User Management

Login Management

Zero Level DFD - Online Food Ordering System

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.

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Faculty Guidelines:

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