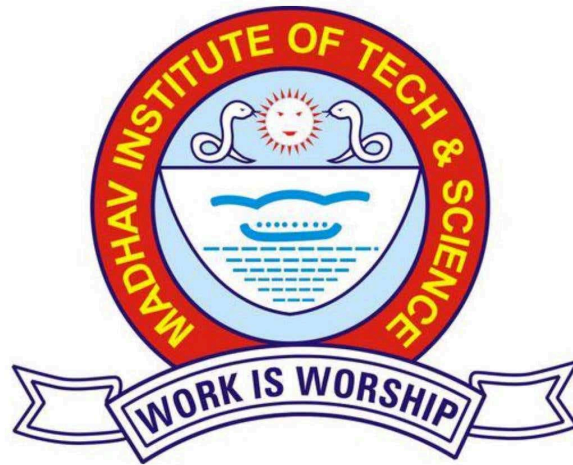


# **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



**Project Report**

**on**

**Realtime Food Ordering Website**

**Submitted By:**

**Akash Agrawal**

**0901CS191012**

**Himalay Gupta**

**0901CS191043**

**Faculty Mentor:**

**Dr. Anjula Mehto, Assistant Professor CSE, MITS**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**

**GWALIOR - 474005 (MP) est. 1957**

**MAY-JUNE 2022**

# **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



## **Project Report**

**on**

## **Realtime Food Ordering Website**

A project report submitted in partial fulfilment of the requirement for the degree of

## **BACHELOR OF TECHNOLOGY**

**in**

## **COMPUTER SCIENCE AND ENGINEERING**

Submitted by:

**Akash Agrawal**

**Himalay Gupta**

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Submitted to:

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**CERTIFICATE**

This is certified that **Akash Agrawal** (0901CS191012) has submitted the project report titled **Realtime Food Ordering Website** under the mentorship of **Dr. Anjula Mehto** in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

  
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# **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

## **DECLARATION**

We hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of our work under the mentorship of Dr. Anjula Mehto, Assistant Professor Computer Science & Engineering.

We declare that we have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

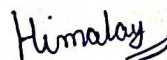


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**ACKNOWLEDGEMENT**

The full semester project has proved to be pivotal to our career. We are thankful to our institute, **Madhav Institute of Technology and Science** to allow us to continue our disciplinary/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. We extend our gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

We would sincerely like to thank our department, **Department of Computer Science and Engineering**, for allowing us to explore this project. We humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

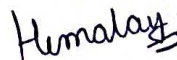
We are sincerely thankful to our faculty mentor. We are grateful to the guidance of **Dr. Anjula Mehto**, Assistant Professor, Computer Science & Engineering, for her continued support and guidance throughout the project. We are also very thankful to the faculty and staff of the department.



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## ABSTRACT

Increased demand of restaurant-goers generated the need for much attention for the hospitality industry. Providing many options with ease of ordering and delivering is the need of the hour. Technological interference has become mandatory to improve the quality of the service and business in this industry. Thus, this Online Food Ordering App is an application designed primarily for use in the food delivery industry. This system will allow hotels and restaurants to increase scope of business by reducing the labour cost involved. The system also allows users to quickly and easily manage an online menu which customers can browse and use to place orders with just a few clicks. Admin employees then use these orders through an easy to navigate graphical interface for efficient processing.

The online food ordering system provides convenience for the customers. This system increases the takeaway of foods by visitors. The online food ordering app sets up menus online and the customers easily place the order with a simple click. Also, with a food menu online you can easily track the orders, maintain the customer's database and improve your food delivery service. This system allows the user to select the desired food items from the displayed menu. The user orders the food items. The user's details are maintained confidential because it maintains a separate account for each user. An id and password are provided for each user. Therefore, it provides a more secure ordering.

**Keyword: online food ordering app, menu, register, online.**

## सार:

रेस्तरां जाने वालों की बढ़ती मांग ने आतिथ्य उद्योग के लिए अधिक ध्यान देने की आवश्यकता उत्पन्न की। ऑर्डर देने और डिलीवर करने में आसानी के साथ अधिक विकल्प प्रदान करना समय की मांग है। इस उद्योग में सेवा और व्यवसाय की गुणवत्ता में सुधार के लिए तकनीकी हस्तक्षेप अनिवार्य हो गया है। इस प्रकार यह ऑनलाइन फूड ऑर्डरिंग ऐप मुख्य रूप से खाद्य वितरण उद्योग में उपयोग के लिए डिज़ाइन किया गया एक एप्लिकेशन है। यह प्रणाली होटल और रेस्तरां को शामिल श्रम लागत को कम करके व्यवसाय का दायरा बढ़ाने की अनुमति देगी। सिस्टम एक ऑनलाइन मेनू को जल्दी और आसानी से प्रबंधित करने की भी अनुमति देता है जिसे ग्राहक ब्राउज़ कर सकते हैं और कुछ ही क्लिक के साथ ऑर्डर देने के लिए उपयोग कर सकते हैं। तब व्यवस्थापक कर्मचारी कुशल प्रसंस्करण के लिए एक आसान नेविगेट करने योग्य ग्राफिकल इंटरफ़ेस के माध्यम से इन आदेशों का उपयोग करते हैं।

ऑनलाइन फूड ऑर्डरिंग सिस्टम ग्राहकों के लिए सुविधा प्रदान करता है। यह प्रणाली आगंतुकों की तुलना में खाद्य पदार्थों के टेकअवे को बढ़ाती है। ऑनलाइन खाना ऑर्डर करने वाला ऐप ऑनलाइन मेनू सेट करता है और ग्राहक आसानी से एक साधारण क्लिक के साथ ऑर्डर दे देते हैं। साथ ही, ऑनलाइन फूड मेन्यू से आप ऑर्डर को आसानी से ट्रैक कर सकते हैं, ग्राहक के डेटाबेस को बनाए रख सकते हैं और अपनी फूड डिलीवरी सर्विस में सुधार कर सकते हैं। यह प्रणाली उपयोगकर्ता को प्रदर्शित मेनू से वांछित खाद्य पदार्थों का चयन करने की अनुमति देती है। उपयोगकर्ता खाद्य पदार्थों का आदेश देता है। उपयोगकर्ता का विवरण गोपनीय रखा जाता है क्योंकि यह प्रत्येक उपयोगकर्ता के लिए एक अलग खाता रखता है। प्रत्येक उपयोगकर्ता के लिए एक आईडी और पासवर्ड प्रदान किया जाता है। इसलिए, यह अधिक सुरक्षित ऑर्डरिंग प्रदान करता है

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# **CHAPTER 1: PROJECT OVERVIEW**

## **1.1 Introduction:**

The "Online Food Ordering System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner

The application is reduced as much as possible to avoid errors while entering the data. It also provides error messages while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it paves it is user-friendly Online Food Ordering System as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather than concentrating on the record keeping. Thus, it will help organization in better utilization of resources

Every organization, whether big or small has challenges to overcome and managing the information of Category Food Item Order Payment Confirm Order. Every Online Food Ordering System has different Food Item needs therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executives who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

## **1.2 Objectives and Scope:**

### **1.2.1 Objectives:**

The main objective of the Project on Online Food Ordering System is to manage the details of Food Item Category, Customer, Order, Confirm Order. It manages all the information about Food Items, Payment, Confirm Order, Food Item. The project is built at the administrative and the customer end and thus only the user with specified role is guaranteed to access the specified functionality. The purpose of the project is to build an application program to reduce the manual work for managing the Food Item. Category, Payment, Customer. It tracks all the details about the Customer, Order, Confirm Order.

### **1.2.2 Scope:**

Restaurants can offer electronic ordering both through their own online web or mobile site and through sites that serve various restaurants, and all restaurants also accept orders via text message more over the credit point and discount coupon out that many restaurants increased sales level as a result of accepting electronic orders. The restaurant now day a interactive and up-to-date menu with all available options in an easy to use manner.

Most Younger consumers were more likely to have used online food ordering and essentially adopted self-service approaches. Well-designed self-service ordering systems give customers actual control over the pace of their transaction and allow them to limit the amount of personal interaction in a restaurant. In most cases, an increased level of control has been shown to lead to higher level of customer satisfaction and greater intent to use or recommend the service. Perceived convenience of a self-service system also leads to an increase in adoption and satisfaction. In this instance, the definition of convenience is related primarily to access convenience and transaction convenience. A customer will search for a favourite restaurant based on customer location, choosing from available items. Payment can be amongst others either by credit card or cash

### **1.3 Project Features:**

- User accounts to control the access and maintain security
- Easy and fast retrieval of information
- Decrease the load of the person involved in existing manual system
- Easy Order Placement
- Easy to update information
- Better UI for both admin and user
- Robust database and backend

### **1.4 Feasibility:**

After doing the project Online Food Ordering System, studying and analyzing all the existing or required functionalities of the system, the next task is to do the feasibility study for the project. All projects are feasible given unlimited resources and infinite time.

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.

#### **1.4.1: Economical Feasibility**

This is a very important aspect to be considered while developing a project. We decided the technology based on the minimum possible cost factor.

- All hardware and software cost has to be borne by the organization.
- Overall, we have estimated that the benefits the organization is going to receive from the proposed system will surely overcome the initial costs and the later on running cost for the system.

#### **1.4.2: Technical Feasibility**

This included 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 Requirement Specification (SRS), and checked if everything was possible using different types of frontend and backend platforms.

#### **1.4.3: Operational Feasibility**

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

### **1.5 System Requirement**

The system requirements to build Food Ordering Website are given below:

#### **1.5.1: Hardware Requirements**

- Microsoft Windows 7/8/10 (32- or 64- bit)
- 4 GB RAM minimum, 8 GB RAM recommended.
- 2 GB of available disk space minimum, 4 GB Recommended
- 1280 \* 800 minimum screen resolution



### **1.5.2: Software requirements**

- An Operating System
- Text Editor
- GUI for Backend

## CHAPTER 2: LITERATURE REVIEW

Various case studies have highlighted the problems faced while setting up a restaurant. Some of the problems found during the survey in the existing system are listed below:

- [1] To place the orders, the customer visits the restaurant, checks the menu items available in the restaurant, and chooses the items required, then places the order and then does the payment. This method demands manual work and time on the part of the customer.
- In [2] Paper describes an online food menu that is set up by the proposed food ordering system and per their will customers can easily place the order. Also, customers can easily track the orders with the food menu. The management improves food delivery service and preserves customers' databases. Motivation to develop the system is from the restaurant management system. To get the services efficiently the users of the system provide various facilities. Restaurants as well as Mess facilities are considered by our system for the customers. Mostly mess users are people who are shifted to new cities and this can be considered as a motivation to our system. Another motivation can be considered as the increasing use of smartphones by the customers, so that any users of this system get all service of the system. The system will be designed to avoid users making fatal errors where users can change their own profile and also where users can track their food items.
- In [3] Paper, Zomato and Swiggy are one of the well-known applications that provides the services from Food Menus to Delivering Online Food to their homes. The main advantage of ordering food online is that everyone can order at their ease and there would not be any peer pressure while ordering the food because when going for casual dining there is also a pressure while ordering food, we often ask the waiter what this food contains? Will it be spicy or not? And sometimes we get into situations where the dish you ordered is not up to the mark or sometimes, we need to order as per the waiter's recommendation because we don't have a brief description about that dish on the menu. Nowadays everyone is aware of this online food delivery app i.e., Zomato and Swiggy and why would people waste their time by calling the restaurant owner and will waste 8 to 10 minutes. And this online chain food delivery company is doing well in the market to lure the customers with their lip-smacking offers.
- In this [4] paper, the popularity of m-commerce technology, which involves the payment via wireless devices has also enhanced the purchase intention of people, as it involves less time and effort. The revenues from platform to consumer delivery amounts to \$ 484m, nearly 7 percent of total revenue on the online food delivery segment. Here focus is at the market segment, which provides customers the food from their partner restaurants and the delivery of food managed by themselves. The revenue is further expected to grow to 25.2% by 2023. The user penetration is nearly 2.1% and is expected to strike 4.8 % by 2023 (The Statista Portal). The digitalization has boosted the technology usage of Indians. Food is the biggest necessity of life

and these online food order services lessen the efforts. The online food delivery seems to grow 30% over the normal food industry. There are many new entrants joining this segment day by day. Food tech is the burning talk in the town of start-up. The various food market players in India are Swiggy, Zomato, Food Panda, Fasoos, Box8, fast food delivery apps etc. This paper is unique in analysing the quality of information in the mobile app, the system quality on navigation through the pages, user friendliness and the service quality on delivery and time.

- In this [5] Paper, online food ordering is a process that delivers food or take away, from home chefs, local restaurants and other food cooperatives through a mobile application or through a website. This style of food delivery is gaining popularity with more and more people, especially the younger generation turning to mobile food ordering apps, thereby changing the way food is delivered and picked up. Customers prefer using the food ordering app over ordering food online. The customer can generate an order without having to explain it to another human being and have the food delivered at his doorstep. The apps are geared to search for local restaurants and the cuisine types. Entire menu is displayed on the app and the customer has to choose from the menu with a click of a button. However, the app needs to be downloaded by the customers on their cell phones and register themselves on the app by creating their profile which will have their address and payment information. The payment is normally cashless through a credit or debit card if paid online or in cash against delivery. The apps will differ from each other in terms of features offered and by refining the search, based on most orders, pricing, order history, customer reviews, promotions etc.

## CHAPTER 3: PRELIMINARY DESIGN

The first step in the system development life cycle is the preliminary investigation to determine the feasibility of the system. The purpose of the preliminary investigation is to evaluate project requests. It is not a design study nor does it include the collection of details to describe the business system in all respects. Rather, it is the collecting of information that helps committee members to evaluate the merits of the project request and make an informed judgment about the feasibility of the proposed project.

### 3.1: Software Development Lifecycle Model

Rapid Application Development (RAD) Model used to develop this food ordering system is RAD which focuses mainly on dividing the project into different modules that is the Customer Module and Admin Module. In the RAD model, the functional modules are developed in parallel as prototypes and are integrated to make the complete product for faster product delivery. Since there is no detailed preplanning, it makes it easier to incorporate the changes within the development process. The RAD model distributes the analysis, design, build and test phases into a series of short, iterative development cycles.

### 3.2: Requirement Analysis

#### 3.2.1: Functional Requirements:

- Registration: If a customer wants to order the food, then he/she must be registered, unregistered users can't go for ordering.
- Login: The customer login to the system by entering valid user id and password for ordering.
- Display the menu: In the system all the items are displayed with their rates.
- Modify menu: System Admin can make changes in menu like adding or removing food items which are not available.
- Select food item(s): Items are selected that the customer feels free to order.
- Changes to order: Changes to order means the customer can make changes in order like adding or removing items from the order.
- Review the order before submitting: Before submitting the complete order is reviewed by the customer. Phone number, Address, Placed Order; the final order is submitted.
- Payment: Online or Offline payment.
- Logout: After the payment or surfing the products customer can logout of the system

### 3.2.2: Non-Functional Requirements:

- Portability: System running on the platform can easily be converted to run on another platform.
- Reliability: The ability of the system to behave consistently in an acceptable manner when operating within the environment for which the system was intended for.
- Availability: the system should be available at all times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs.
- Maintainability: A commercial database is used for maintaining the database and the application server takes care of the site.
- Security: Secure access of the confidential data (customer information).
- User Friendly: System is easily accessible by the customer.
- Performance: Performance should be fast.
- Efficient: System should be efficient that it won't lag due to heavy traffic when order is placed.
- Privacy: Personal data of the system should not be disclosed to anyone.

### 3.3: Use Case Diagram

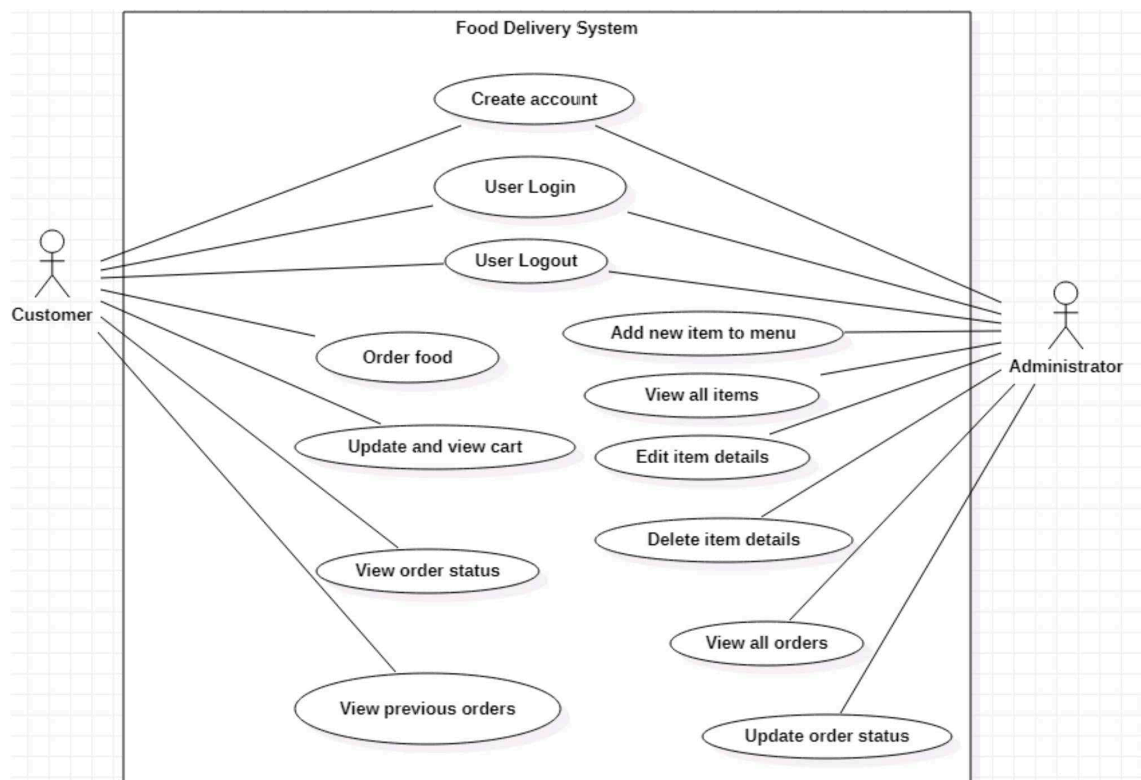


Fig. 3.1 - Use Case Diagram



### 3.4: Class Diagram

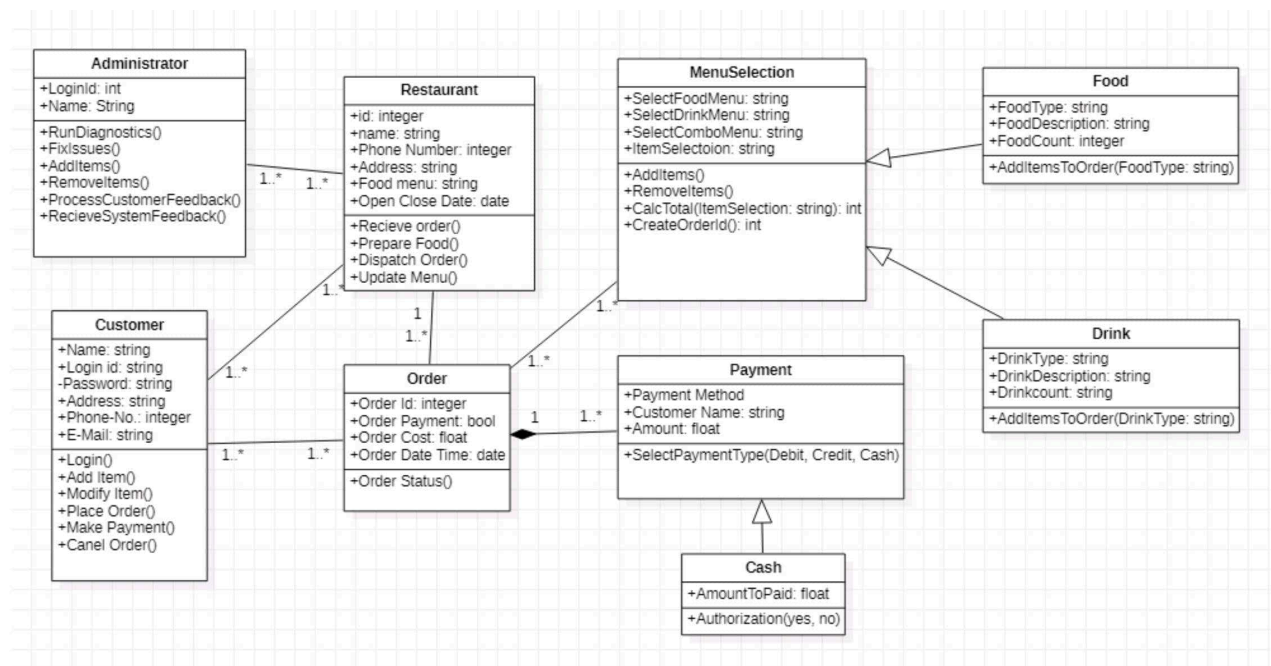


Fig. 3.2 - Class Diagram

### 3.5: Sequence Diagram

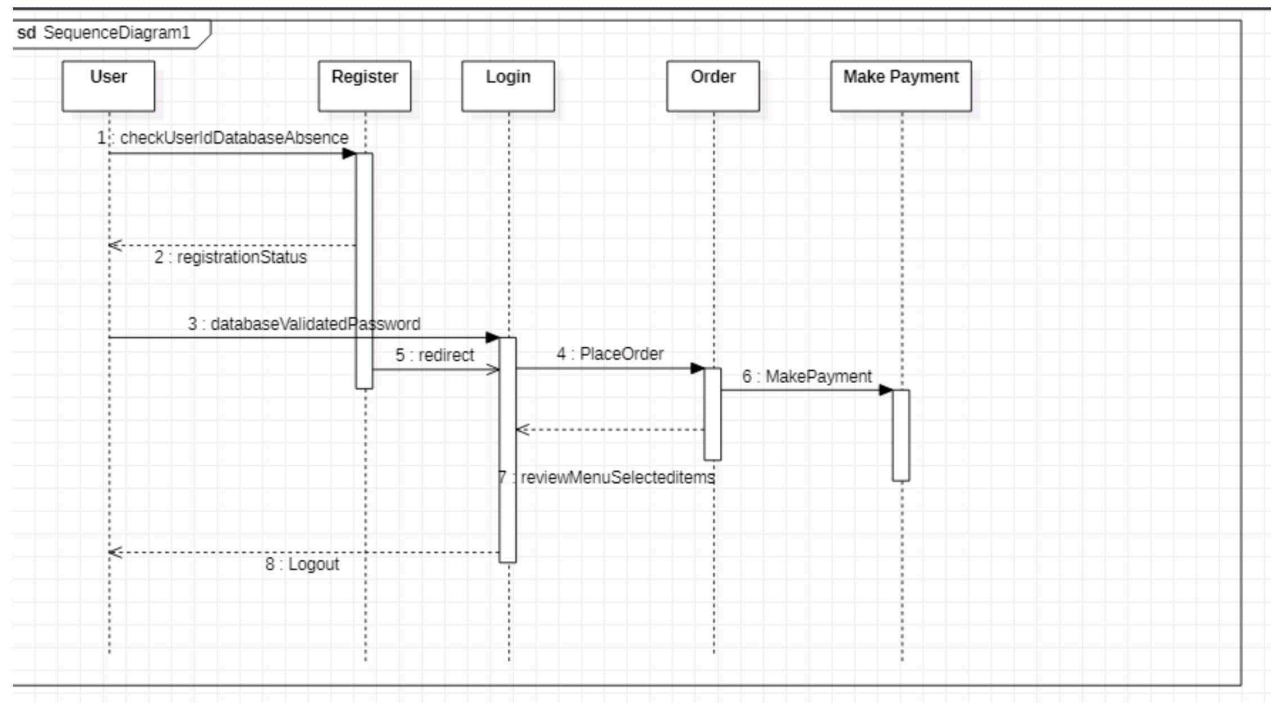


Fig. 3.3 - Sequence Diagram

### 3.6: E-R Diagram

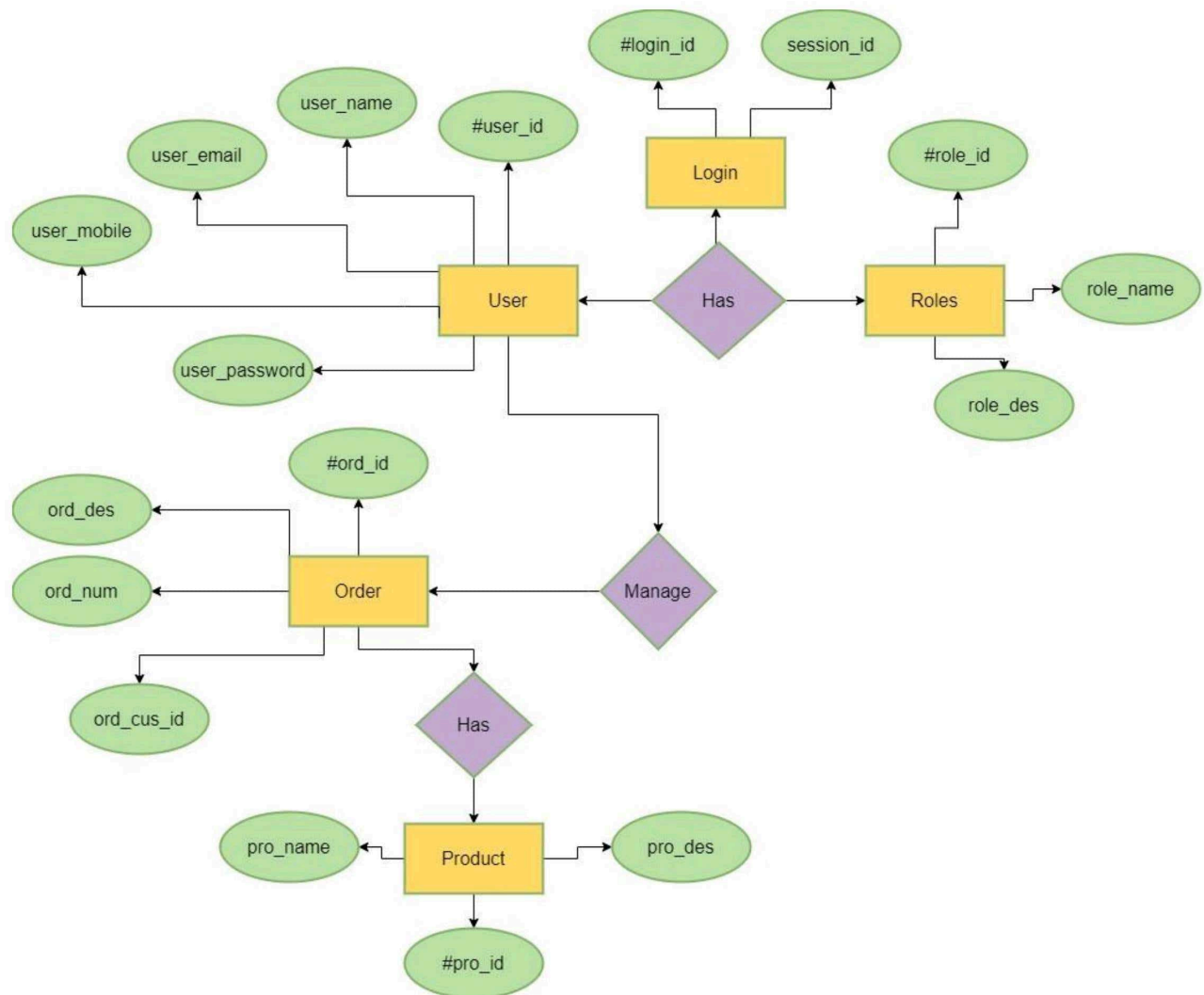


Fig. 3.4 - E-R Diagram

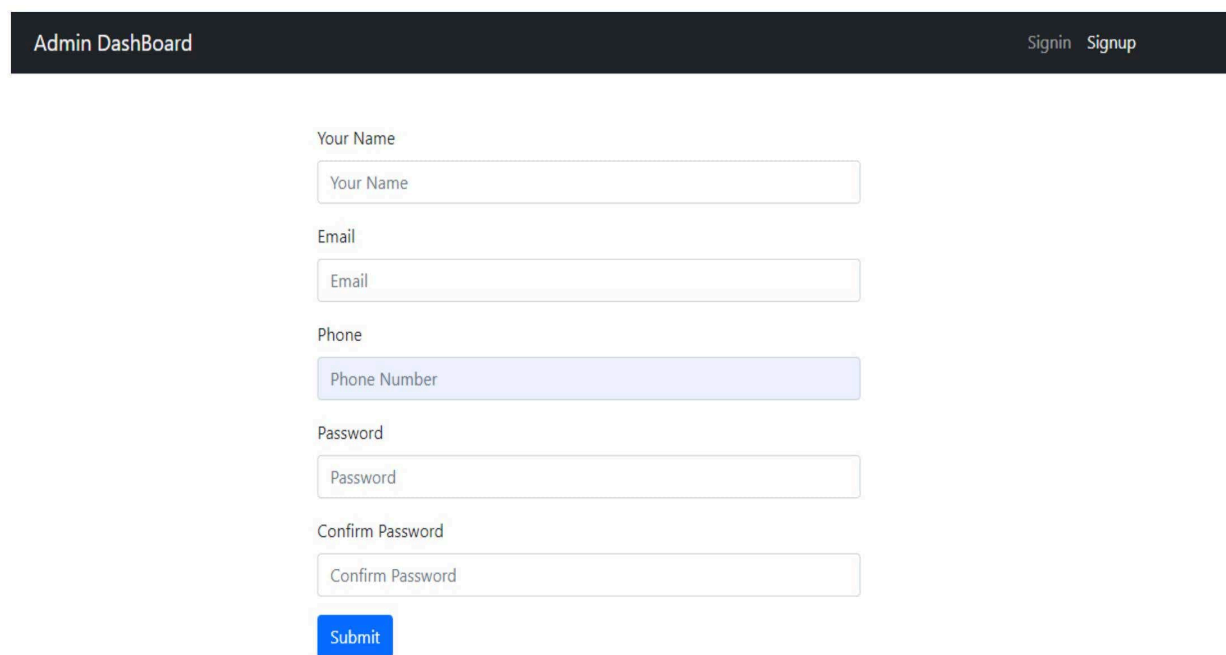
## CHAPTER 4: FINAL ANALYSIS AND DESIGN

### 4.1: Results

#### 4.1.1: Admin Module

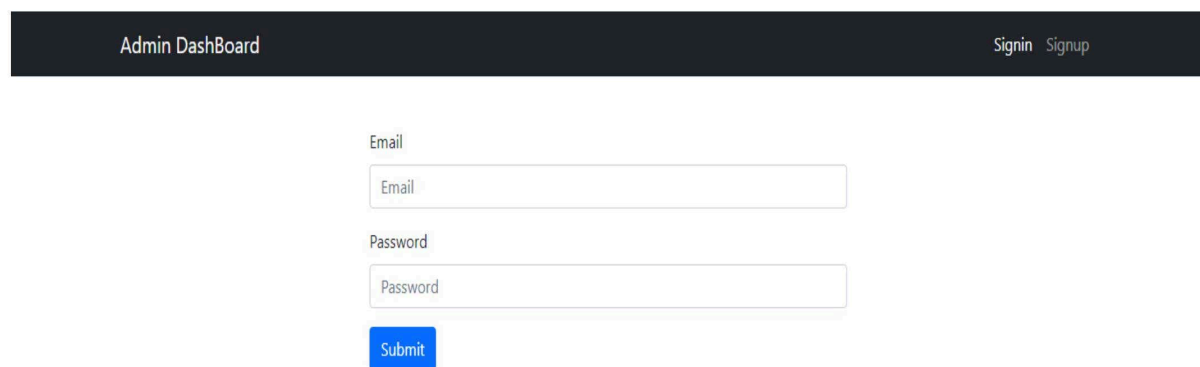
##### 4.1.1.1: Sign In/ Sign Up page:

Admin can signup/signing into the admin dashboard with help of login id and password. Admin has the access to various functionalities such as adding, updating, deleting various modules. Once the customer has successfully logged in for the admin panel, the admin will be directed to the home page of the backend.



The image shows a web form for admin sign-up. At the top, there is a dark header bar with 'Admin DashBoard' on the left and 'Signin Signup' on the right. The form itself is centered and contains the following elements: a 'Your Name' label above a text input field; an 'Email' label above a text input field; a 'Phone' label above a text input field; a 'Password' label above a text input field; a 'Confirm Password' label above a text input field; and a blue 'Submit' button at the bottom.

**Fig. 4.1 – Admin Sign Up Page**



The image shows a web form for admin sign-in. At the top, there is a dark header bar with 'Admin DashBoard' on the left and 'Signin Signup' on the right. The form is centered and contains the following elements: an 'Email' label above a text input field; a 'Password' label above a text input field; and a blue 'Submit' button at the bottom.

**Fig. 4.2 – Admin Sign In Page**

#### 4.1.1.2: Category/Items page:

The managed category/items page will consist of the various categories/items added by the admin along with their details. There is also a functionality of add/update/delete category/items in these pages.

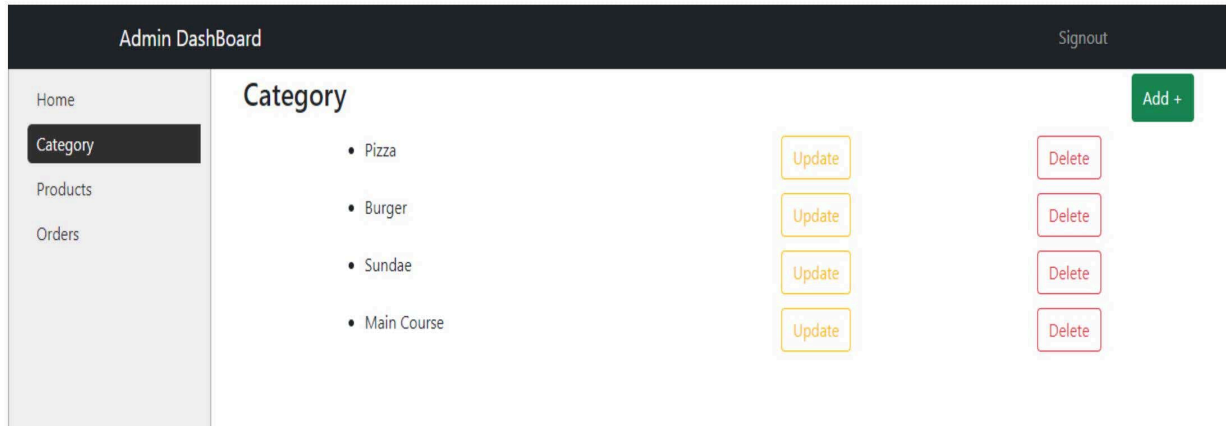


Fig. 4.3 – Admin Category Page

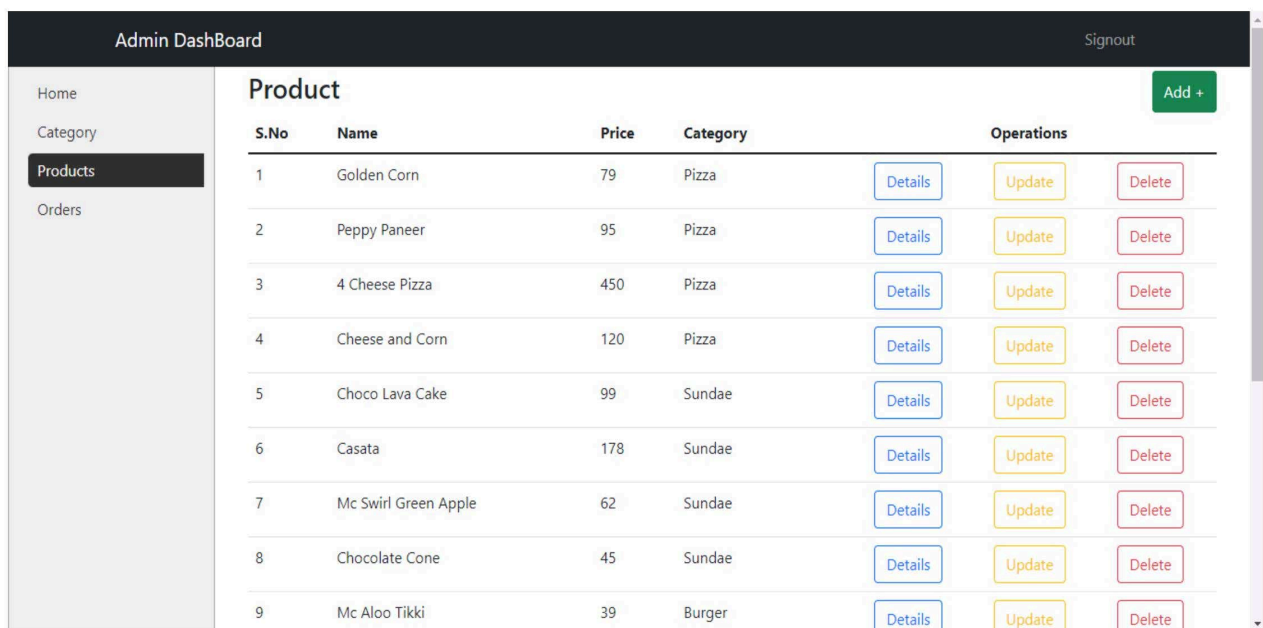


Fig. 4.4 – Admin Product Page

#### 4.1.1.3: Order page:

All the placed orders can be viewed here and the status of the order can be set from the admin side that will be updated in the customer section.

Admin DashBoard

Signout

Home

Category

Products

Orders

Orders

Orders

Order Date	Order Time	Phone	Address	Payment Mode	Current Status	View Items
2/5/2022	7:44:43 AM	9644622667	Gubbara Phatak Gwalior	COD	Delivered	<div>View Order and Update Status</div>
2/5/2022	7:45:05 AM	91112833345	Daulatganj Gwalior	COD	Order Confirmed	<div>View Order and Update Status</div>
2/5/2022	7:45:22 AM	9171755650	Thatipur Gwalior	COD	Being Cooked	<div>View Order and Update Status</div>
2/5/2022	7:45:52 AM	6268502246	Station Road Gwalior	COD	Out For Delivery	<div>View Order and Update Status</div>
2/5/2022	7:46:28 AM	9669838434	Maharaj Bada	COD	Order Confirmed	<div>View Order and Update Status</div>
2/5/2022	7:53:48 AM	8959972388	Huzrat Pull	COD	Order Confirmed	<div>View Order and Update Status</div>
6/5/2022	7:06:33 AM	9644600228	Gole Ka mandir	COD	Being Cooked	<div>View Order and Update Status</div>
6/5/2022	7:07:56 AM	9575023658	Thatipur Gwalior	COD	Order Placed	<div>View Order and Update Status</div>

**Fig. 4.5 – Admin Orders Page**

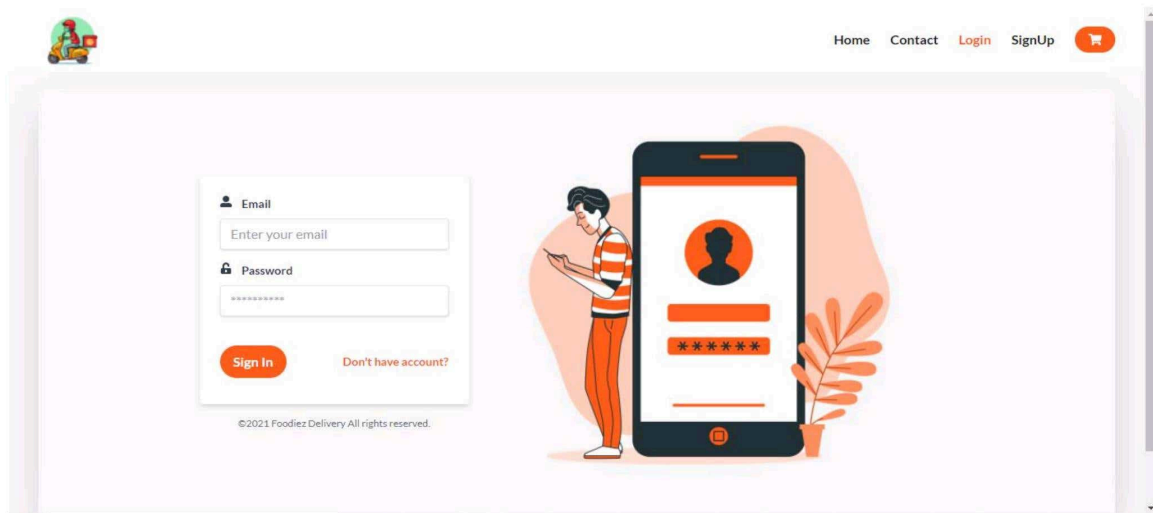
## 4.1.2: Customer Module

### 4.1.2.1: Sign In/ Sign Up page:

The “Foodiez Delivery” provides a signin and signup page for the customers. Any new customer needs to register themselves through filling the credentials of registration page and then they can login with their username and password through the login page. No customer can login in themselves without registering themselves.

**Fig. 4.6 – Customer Sign Up Page**

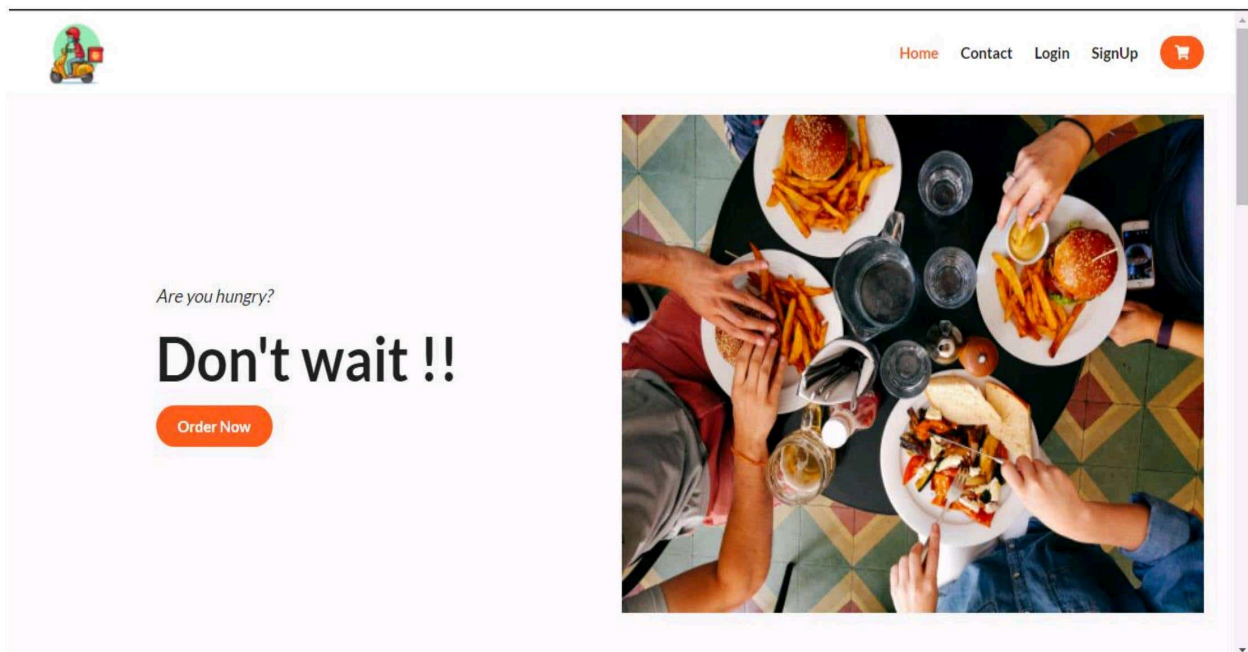


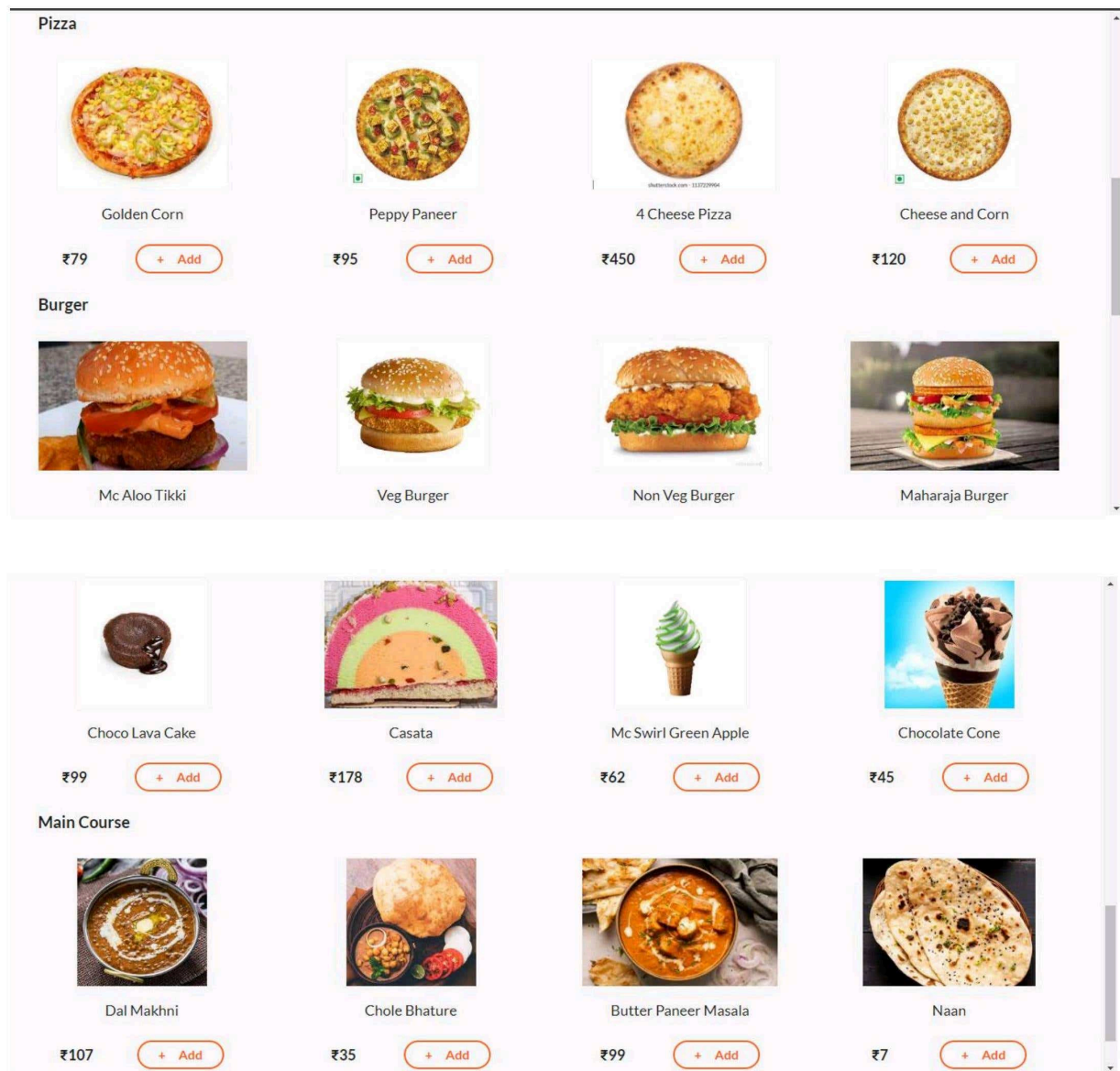


**Fig. 4.7 – Customer Sign In Page**

#### **4.1.2.2: Home page:**

Home page of the food delivery website contains the food categories provided by the restaurant and the products listed with their description and price. Users can add products to their cart even when they are not logged in but when they try to place their order they will be asked to login.





**Fig. 4.8 – Customer Home Page**

#### 4.1.2.3: Cart page:

As the customer will click on the “Add” button, the item will be added to the cart and the customer can add different items into the cart. In the cart page, the food items selected will be displayed along with the quantity of the food item selected, amount to be paid along with a form where the customer can fill their details like contact number, address where the food is to be delivered. As the details will be filled by the customer and the “Order Now” button is clicked, order will be placed successfully.

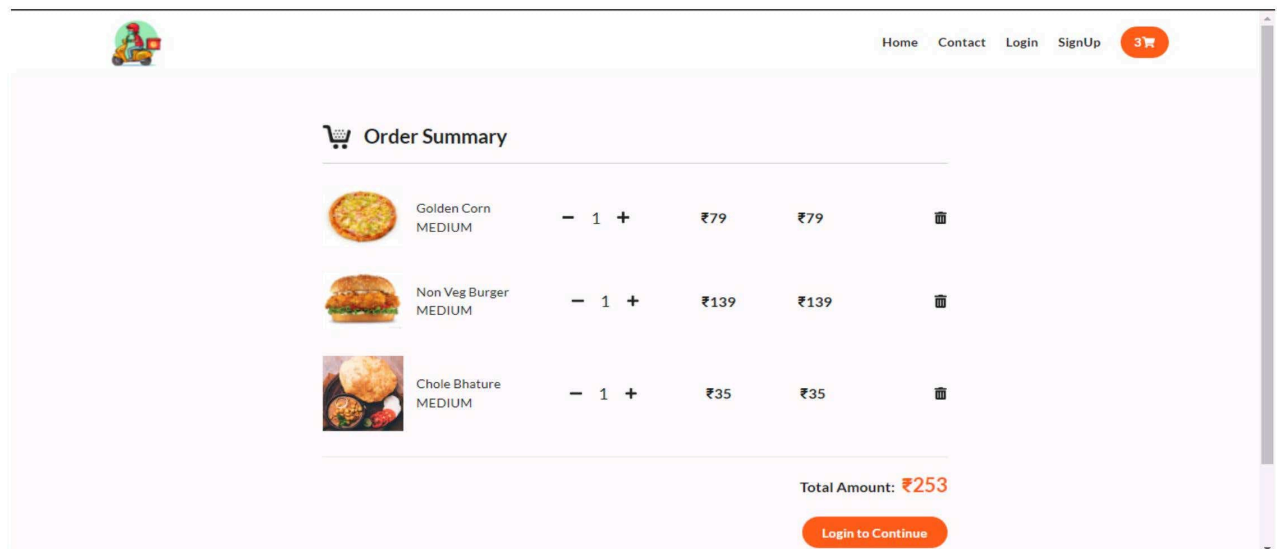


Fig. 4.9 – Customer Cart Page (not logged in)

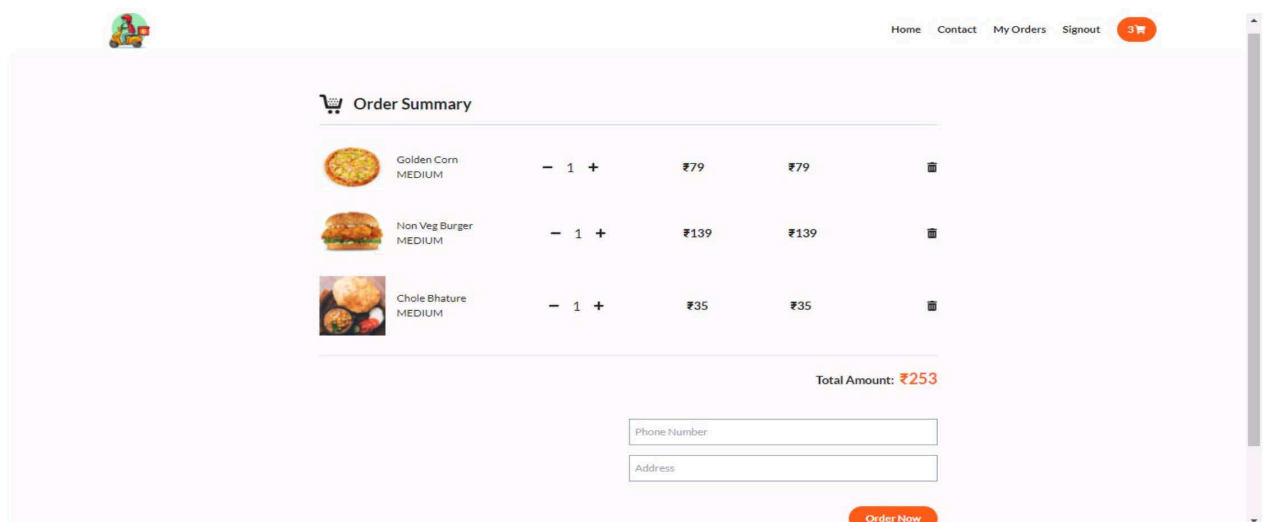


Fig. 4.10 – Customer Cart Page (logged in)

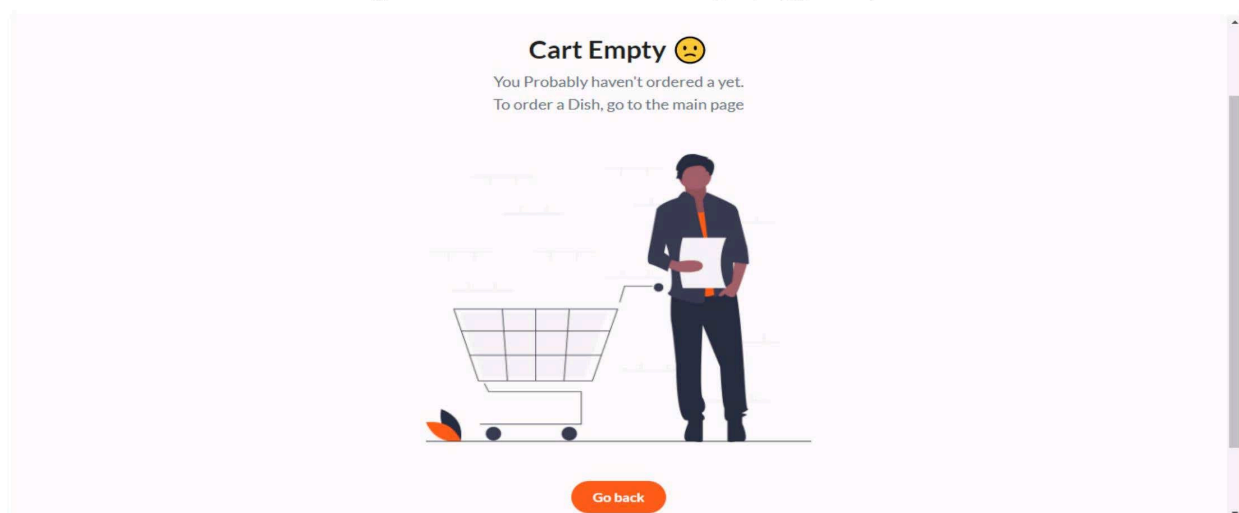


Fig. 4.11 – Customer Empty Cart Page

#### 4.1.2.4: Contact page:

If someone wants to contact the restaurant he/she can contact them using this page by entering basic details along with the query to be asked.

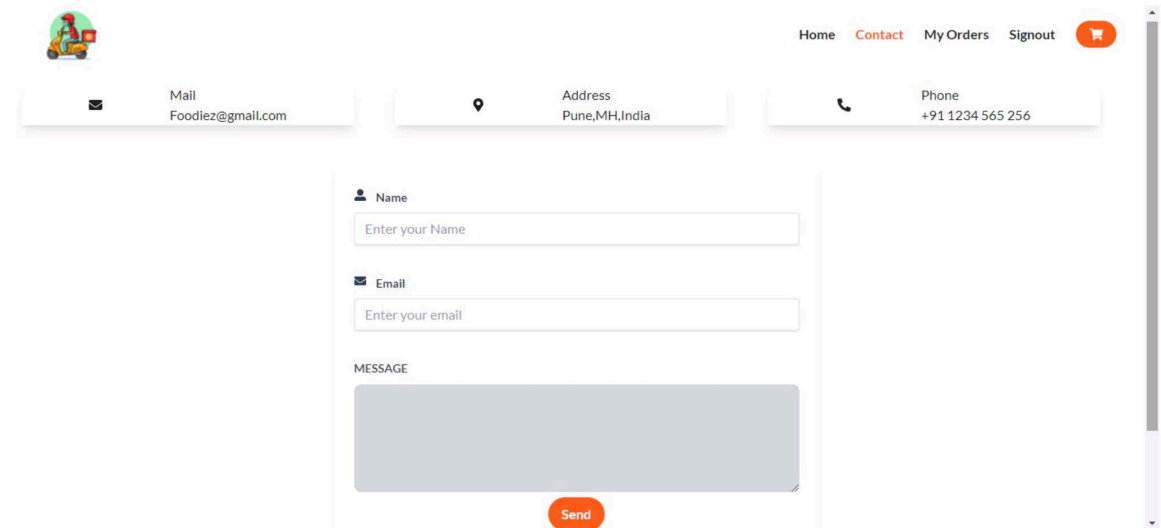



Fig. 4.12 – Customer Contact Page

#### 4.1.2.4: My-Orders page:

It contains details of all the orders placed by the user previously and the current order (if placed) along with their status which is updated in real time.

All orders



i Order Placed Successfully							
Order Date	Order Time	Phone	Address	Payment Mode	Status	Updated At	View Items
6/5/2022	7:48:05 AM	8985627413	Gwalior	COD	<div><div></div></div> Order Placed	7:48:05 AM	<a href="#">Details</a>
2/5/2022	7:53:48 AM	8959972388	Huzrat Pull	COD	<div><div></div></div> Order Confirmed	3:29:05 PM	<a href="#">Details</a>
2/5/2022	7:46:28 AM	9669838434	Maharaj Bada	COD	<div><div></div></div> Order Confirmed	3:30:18 PM	<a href="#">Details</a>
2/5/2022	7:45:52 AM	6268502246	Station Road Gwalior	COD	<div><div></div></div> Out For Delivery	11:20:10 AM	<a href="#">Details</a>
2/5/2022	7:45:22 AM	9171755650	Thatipur Gwalior	COD	<div><div></div></div> Being Cooked	1:27:36 PM	<a href="#">Details</a>
2/5/2022	7:45:05 AM	91112833345	Daulatganj Gwalior	COD	<div><div></div></div> Order Confirmed	1:25:50 PM	<a href="#">Details</a>
2/5/2022	7:44:43 AM	9644622667	Gubbara Phatak Gwalior	COD	<div><div></div></div> Delivered	4:07:03 PM	<a href="#">Details</a>

Created With Love From Foodiez Delivery

Fig. 4.13 – Customer My-Order Page

## **4.2 Result Analysis:**

After Analysing our project, we can say that:

- Helps Small Business
- Increase productivity to some extent
- Avoiding long queues at restaurant
- Reducing manual work
- Automated Food ordering
- Ensure social distancing

## **4.3 Application:**

- Avoiding long queues while ordering food
- Increasing sales of restaurant
- Ease of ordering
- Real time tracking of order
- Different variety of options to choose from

## **4.4 Problem Faced:**

- Real Time updation of order status
- Authenticating user
- Implementing cart
- Storing and updating images.
- UI related problems.
- Server side request while using different modules
- Implementation of different modules

## **4.5 Limitations:**

- Due to competition in this field we would eventually face a lot of problems as it would be difficult to gain customers for our product .
- Less scalability
- Testing of the product on a large scale is difficult.
- Security Concerns
- Limited storage as storage is expensive
- Performance issues

## **CHAPTER 5: CONCLUSION AND FUTURE SCOPE**

### **5.1 Conclusion:**

An online food ordering system is developed where the customers can make an order for the food and avoid the hassles of waiting for the order to be taken by the waiter. Using the application, the end users register online, read the E-menu card and select the food from the e-menu card to order food online. Once a customer selects the required food item the chef will be able to see the results on the screen and start processing the food. This application nullifies the need of a waiter or reduces the workload of the waiter. The advantage is that in a crowded restaurant there will be chances that the waiters are overloaded with orders and unable to meet the requirements of the customer in a satisfactory manner. Therefore by using this application, the users can directly place the order for food to the chef online.

In conclusion an online food ordering system is proposed which is useful in small family run restaurants as well as in places like college cafeterias, etc. This project can later be expanded on a larger scale. It is developed for restaurants to simplify their routine managerial and operational task and to improve the dining experience of the clients. This also helps the restaurant owners develop healthy customer relationships by providing reasonably good services. The system also enables the restaurant to know the items available in real time and make changes to their food and beverage inventory based on the orders placed and the orders completed.

### **5.2 Future Scope:**

- Email Verification.
- Payment gateway.
- Adding more restaurants.
- Implementing different signing options.
- Making the website compatible with all devices.
- Fixing minor bugs

## References

- [1] Patel, Mayurkumar, "Online Food Order System for Restaurants" (2015). Technical Library. Paper 219.
  
- [2] Abhishek Singh<sup>1</sup>, Adithya R<sup>2</sup>, Vaishnav Kanade<sup>3</sup>, Prof. Salma Pathan<sup>4</sup> "ONLINE FOOD ORDERING SYSTEM "International Research Journal of Engineering and Technology (IRJET).
  
- [3] Prathamesh Jagannath Mane" Study of Online Food Delivery Apps like Zomato & Swiggy and their effect on Casual Dining." International Journal of Scientific Research and Engineering Development.
  
- [4] Shweta Shashikant Tanpure\* "Automated Food Ordering System with Real-Time Customer Feedback", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 2, February 2013, Department of CSE, J.S.P.M,Pune.
  
- [5] Varsha Chavan, Priya Jadhav, Snehal Korade, Priyanka Teli, "Implementing Customizable Online Food Ordering System Using Web Based Application", International Journal of Innovative Science, Engineering Technology(IJISET) 2015