Online Food Ordering System
DELIVERO

1 INTRODUCTION

1.1 Overview

The proposed project is a Online Food ordering system is a process in which one can order various foods and beverages from some local restaurant and hotels through the use of the internet, just by sitting at home or any place. And the order is delivered to the told location.

1.2 Purpose

Nowadays everyone has a busy schedule whether it is in urban or rural areas. But talking specifically about the urban areas and deeply about the big cities, people out there are so busy in their life that they don't get enough time to have their meals properly.

So the food ordering system these days has one of the fastest growing markets, though being a new idea. In this project we have developed something like the same to earn from and serve the nation in a much better way possible.

2 LITERATURE SURVEY

2.1 Existing problem

One existing problem for the online food ordering system is the issue of inaccurate or misleading information regarding menu items, ingredients, and prices. In some cases, the online menus may not be updated regularly, leading to discrepancies between the listed items and what is actually available for ordering. This can result in customer dissatisfaction when they discover that a particular dish or ingredient they were expecting is not available.

Additionally, there can be instances where the descriptions or images of the food items are misleading or do not accurately represent the actual product. This can lead to customers receiving orders that do not meet their expectations, which can negatively impact their experience and perception of the online food ordering service.

2.2 Proposed solution

- Regular Menu Updates: Online food ordering platforms should establish a system to ensure that menus are updated frequently and accurately. This can be done by working closely with the partner restaurants to keep track of menu changes, availability of ingredients, and prices. Implementing automated notifications or reminders for restaurants to update their menus can help maintain accurate information.
- Enhanced Food Item Descriptions and Images: Online platforms should encourage restaurants to provide detailed and accurate descriptions of their food items. High-quality images that represent the actual product should also be encouraged. Platforms can establish guidelines and review processes to ensure consistency and accuracy in food item representation.

3 THEORETICAL ANALYSIS

3.1 Block diagram
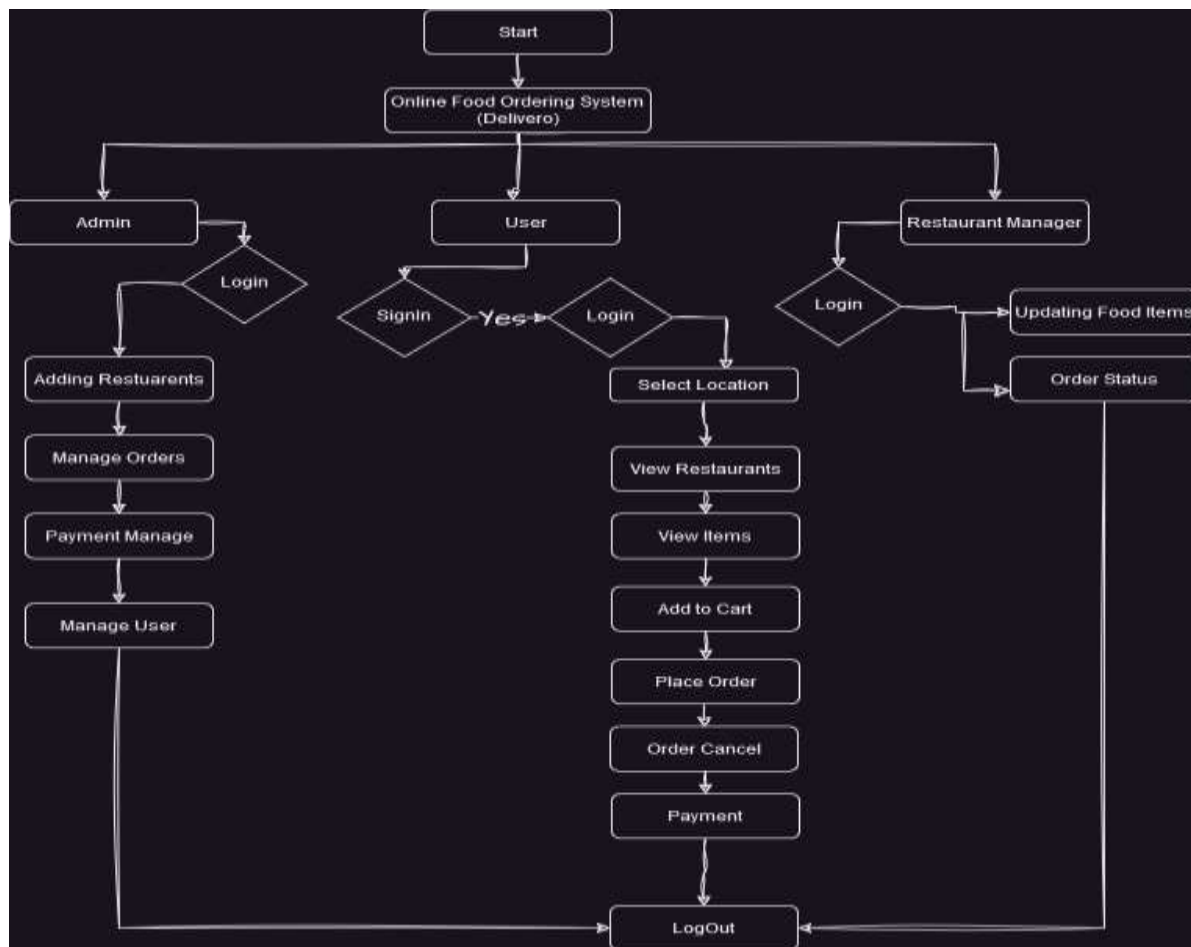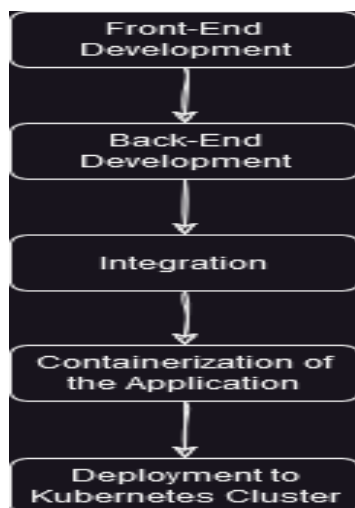
3.2 Hardware / Software designing
- Integrated Development Environment (IDE)
- Spring Boot
- MySQL Database
- MySQL Connector
- MongoDB

4 EXPERIMENTAL INVESTIGATIONS

While working on a food ordering system, there are several aspects we analyzed and investigated to ensure its effectiveness. Here are some key areas where we have considered :

- **User Experience:** Analyze the user journey and interface of the web application to ensure it is intuitive, user-friendly, and optimized for different devices and screen sizes. Investigate user feedback, conduct usability tests, and iterate on the design to enhance the overall user experience.
- **Performance and Scalability:** Evaluate the performance of the web application, including page load times, response times, and handling concurrent user requests. Investigate potential bottlenecks and optimize the system's scalability to accommodate increasing user demand.
- **Security and Data Protection:** Analyze the security measures implemented within the web application to protect user data, including secure authentication, encryption of sensitive information, and adherence to data protection regulations. Conduct security audits and penetration testing to identify and address any vulnerabilities.
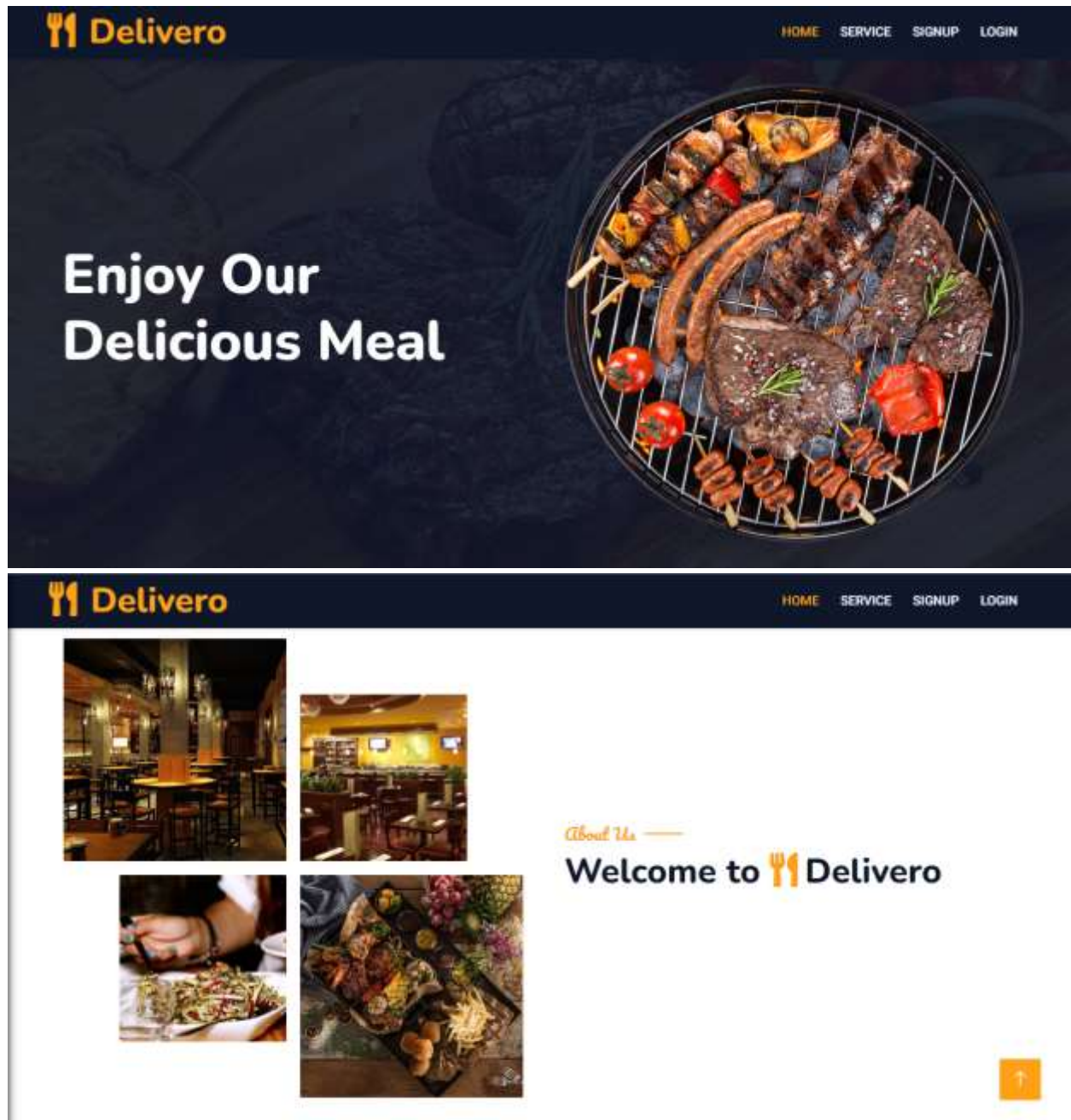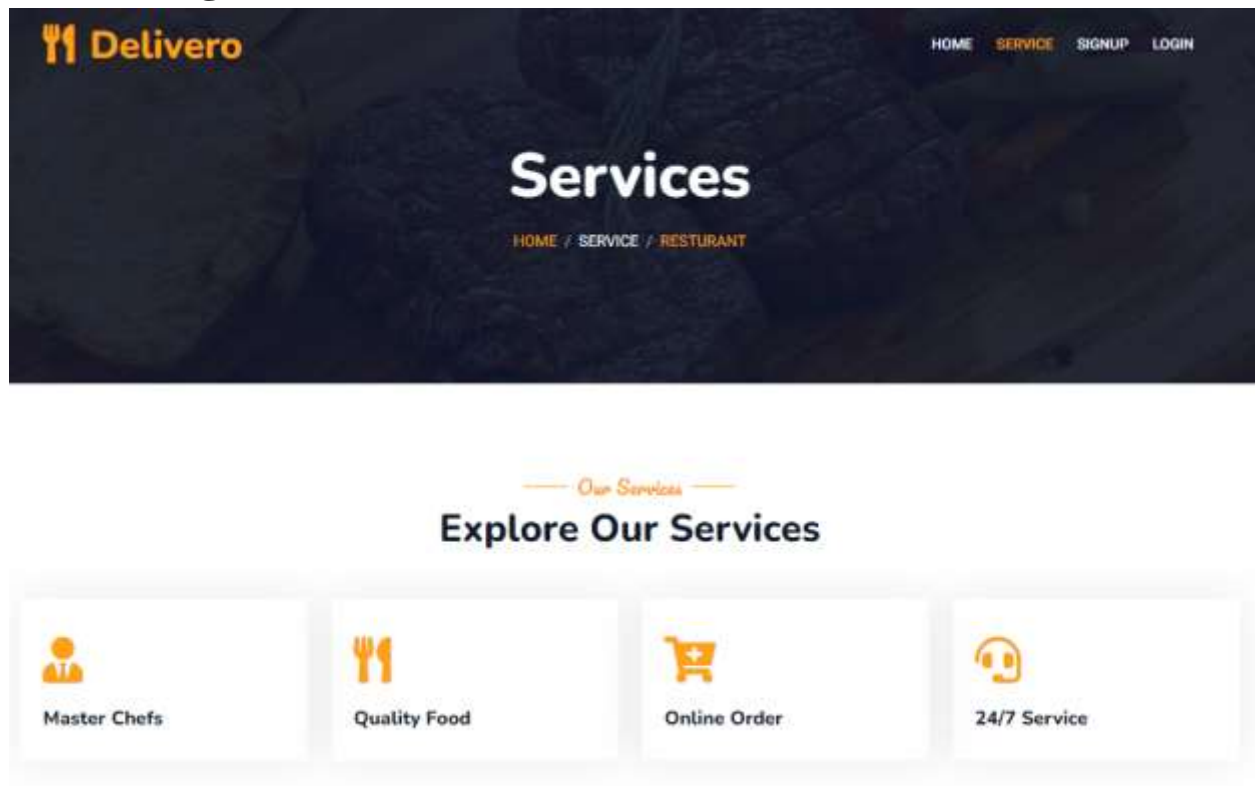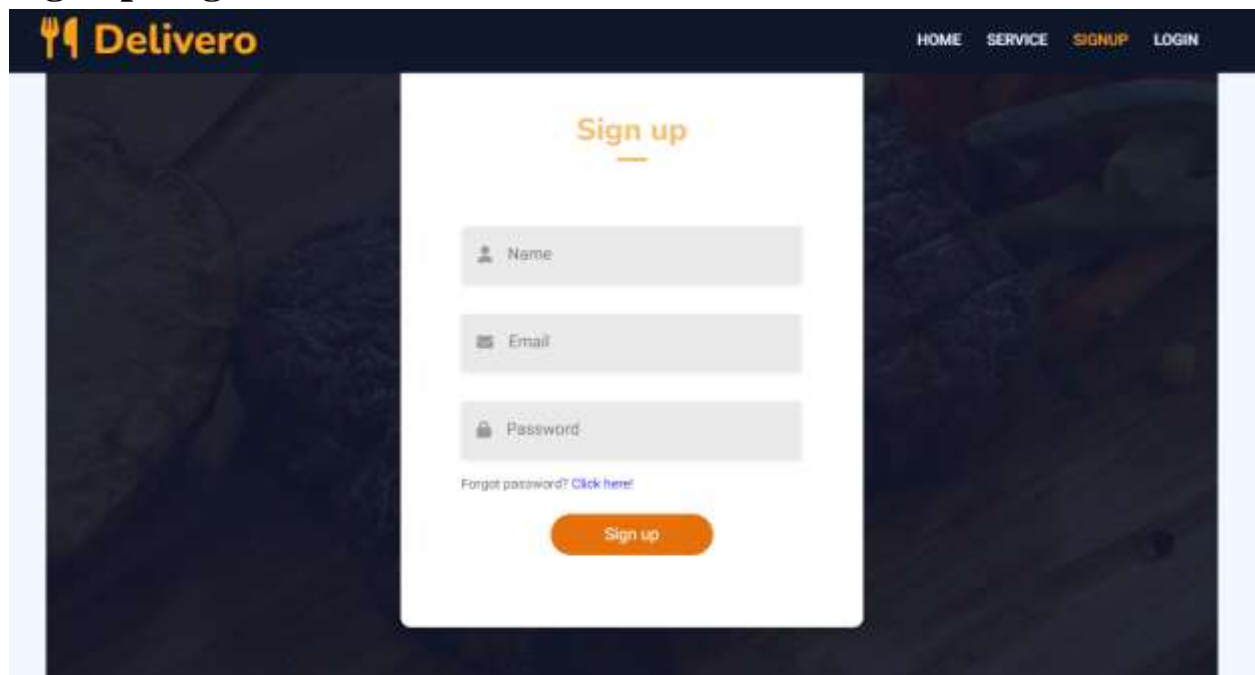
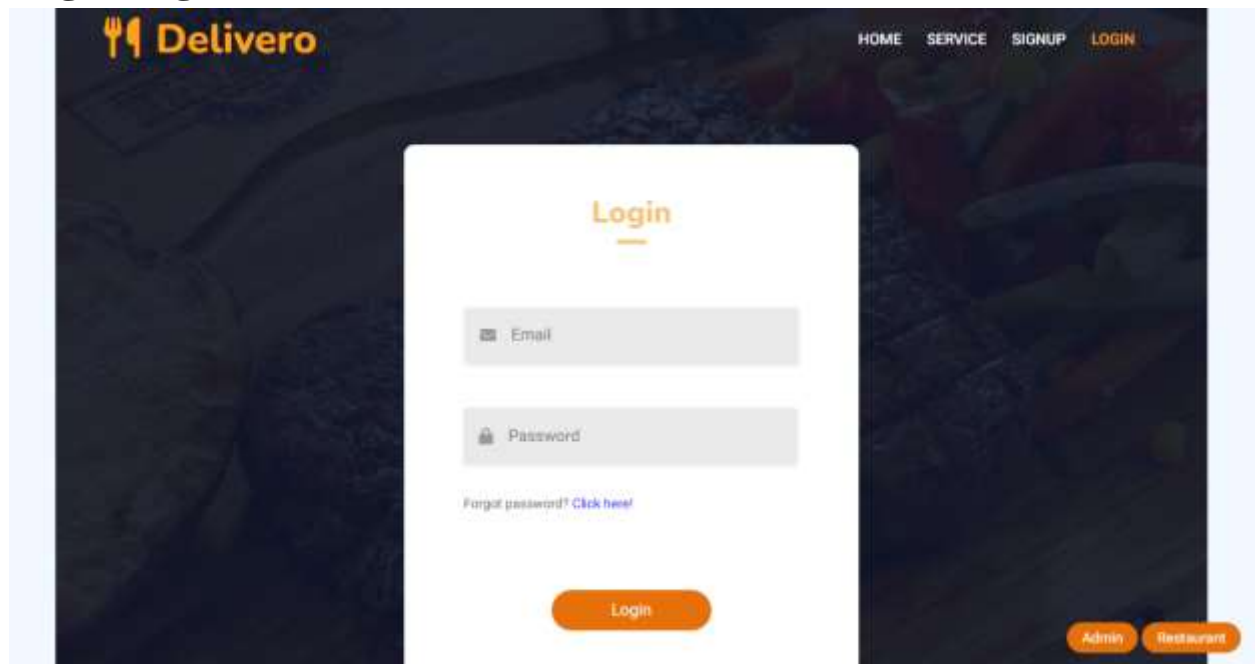# 5 FLOWCHART

6 RESULT

Customer-Side:

Home Page:

Service Page:

SignUp Page:

Login Page:

Location Page:

Example for one Location:

Items Available:

Cart:

Chicken 65
Price: Rs. 104

- 1 +
Remove

Chicken Fried Rice
Price: Rs. 263

- 2 +
Remove

Gulab Jamun
Price: Rs. 263

- 5 +
Remove

Clear Cart
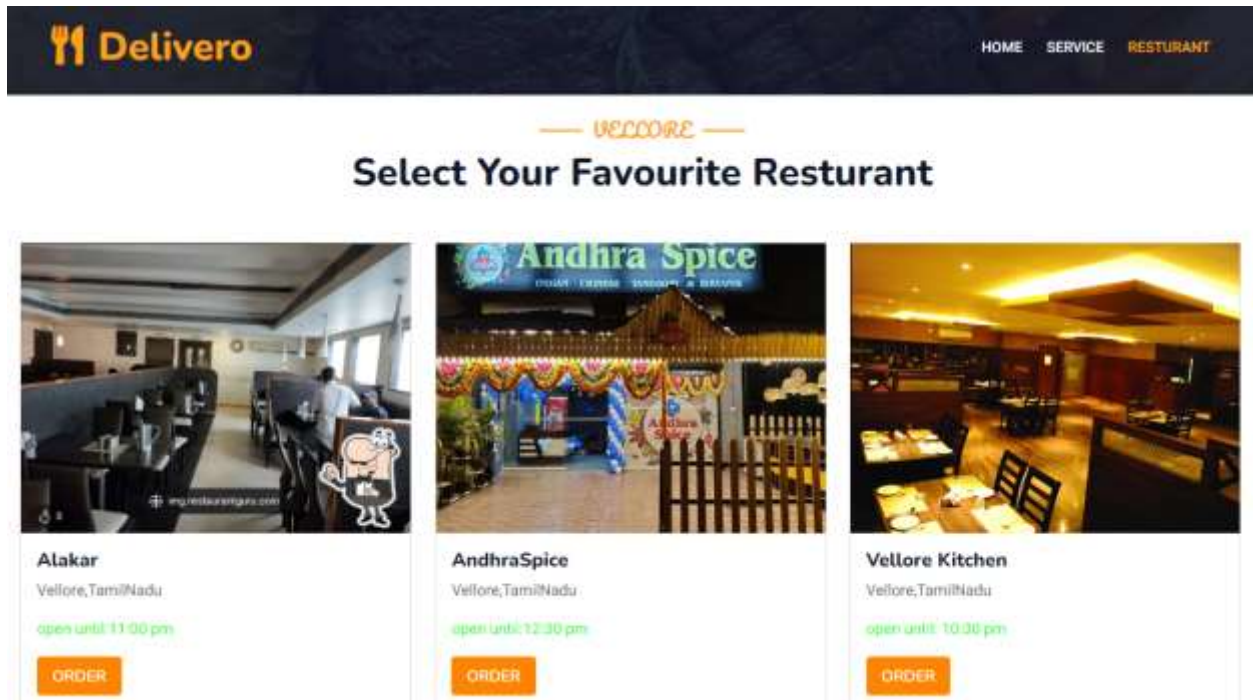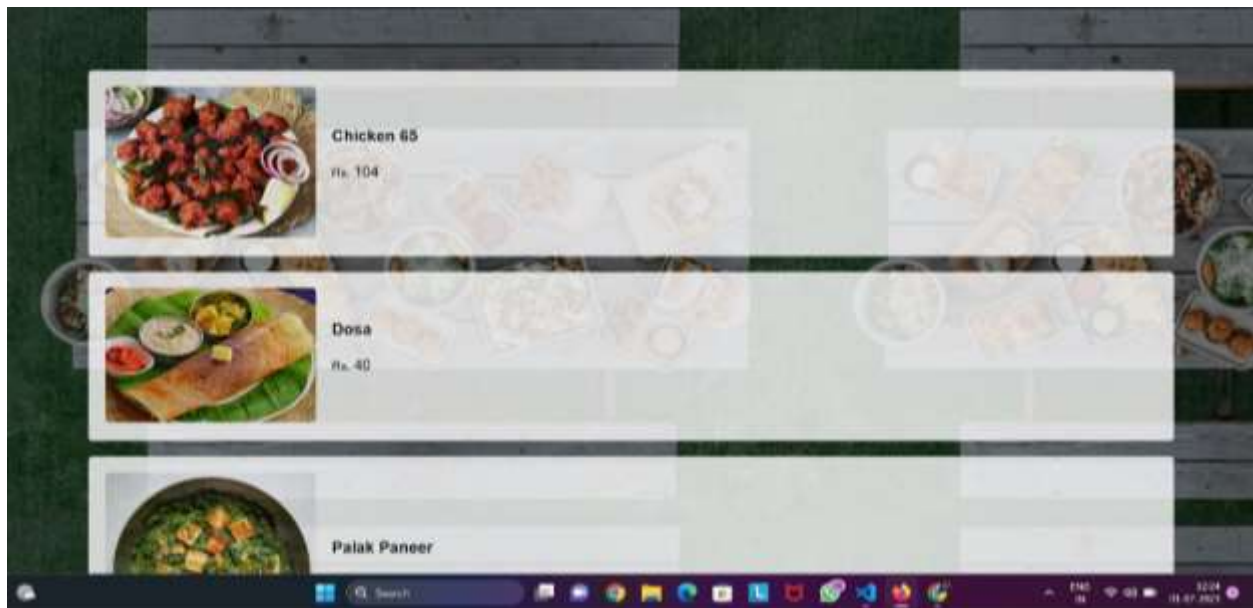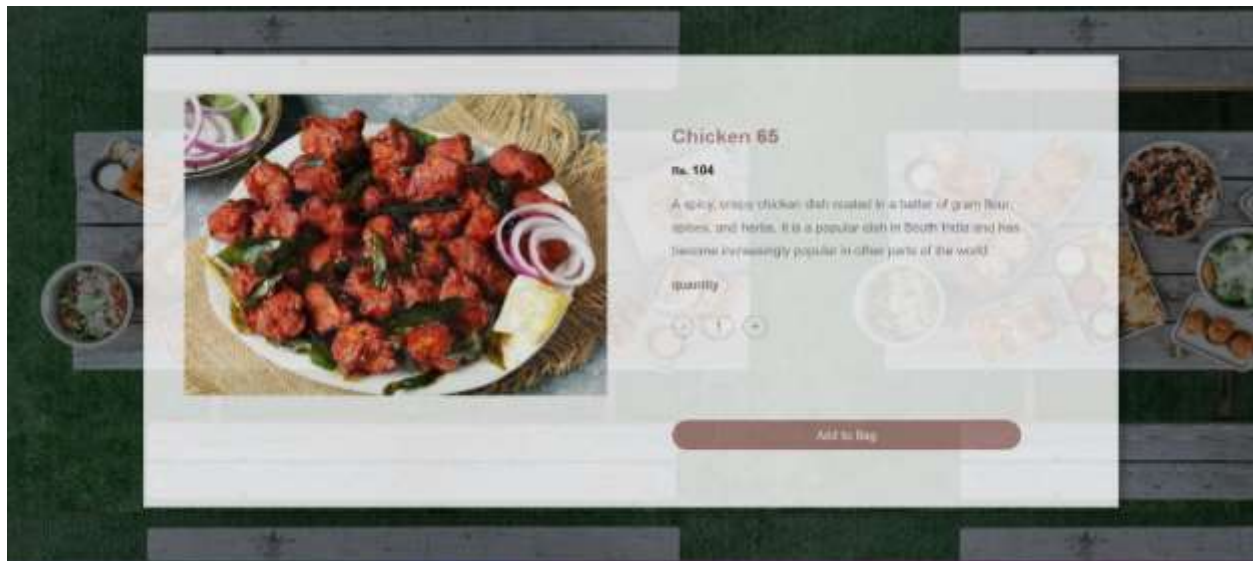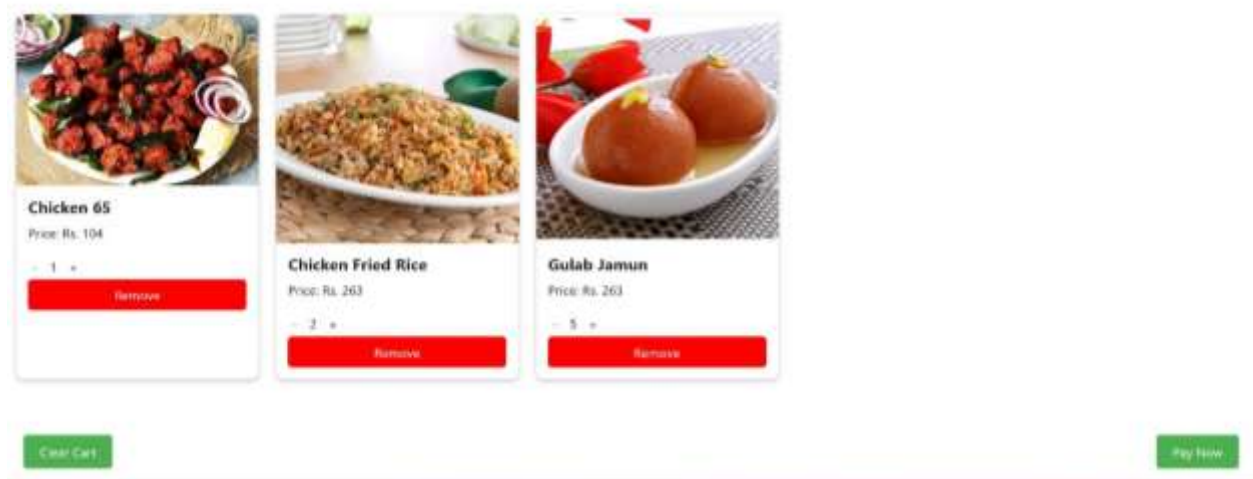
Pay Now

If we click on Remove:

Chicken 65
Price: Rs. 104

- 1 +
Remove

Clear Cart

Pay Now

Payment:

Payment Form

Account

👤 First Name	👤 Last Name

✉ Email Adress

Date of Birth

DD	MM	YYYY

Payment Details

VISA Credit Card

Paypal

💳 Card Number

👤 Card CVC	01 jun ⌄
	2020 ⌄

PAY NOW

✅

Payment Successful

Admin Side:

🍴 Delivero   LOGOUT

ADMIN SERVICES

PAYMENT   VIEW ORDERS   RESTAURANT

Admin
select location

To Add or Remove Restaurant

Vellore

— CHENNAI —

Add or Remove Resturant

Saravana Bhavan

ADD   REMOVE

Barbeque Nation

ADD   REMOVE

Curry&Spices

ADD   REMOVE

Restaurant Side:
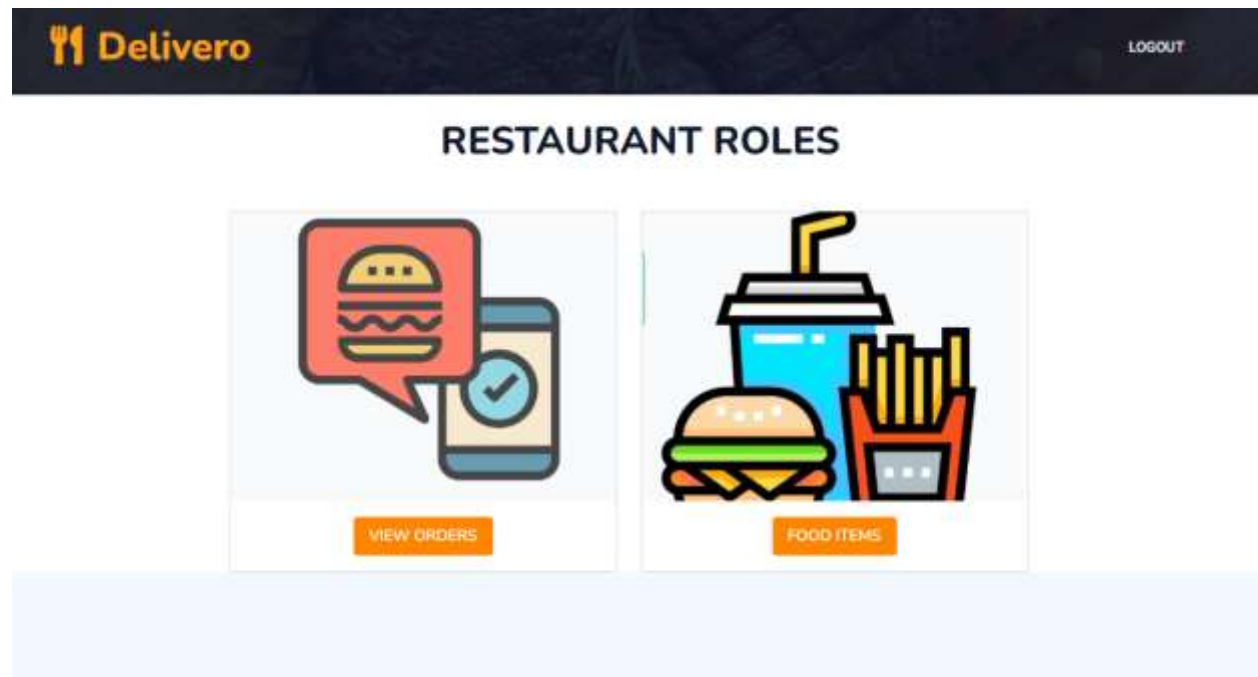
7 ADVANTAGES & DISADVANTAGES

Advantages:
- Convenience
- Time Efficiency
- Order Tracking
- Expanded Options

Disadvantages:
- Lack of Personal Interaction
- Reduced Social Experience

8 APPLICATIONS

In the applications of Online Food Ordering Systems like zomato, swiggy, etc..

The solution of a web-based food ordering system can be applied in various areas, including restaurants, fast food chains, food delivery services, catering businesses, food trucks, online food marketplaces, hotel room service, and institutional dining. This solution streamlines the ordering process, enhances customer experience, optimizes operations, and caters to diverse customer needs in the food industry

9 CONCLUSION

In conclusion, the development of an online food ordering system offers numerous benefits and conveniences for both customers and restaurant owners. It enhances the overall food ordering experience by providing a user-friendly interface, expanded restaurant options, customization capabilities, and convenient payment options. Customers can save time, avoid waiting in long queues, and track their orders in real-time. Restaurants can efficiently manage their menus, track orders. The online food ordering system can be designed and implemented to meet the needs of customers and provide an efficient and seamless ordering process.

10 FUTURE SCOPE

- Blockchain technology for enhanced food traceability and transparency.
- Social media integration to drive customer engagement and user-generated content.
- Artificial Intelligence and Machine Learning for personalized recommendations and predictive order fulfillment.
- Voice-enabled ordering through integration
- Virtual Reality (VR) dining experiences for immersive and unique dining options.

11 BIBILOGRAPHY

- https://www.zomato.com/india
- https://www.swiggy.com/
- https://www.zeptonow.com/

APPENDIX

GitHUB Link:

Demonstration Link:

https://drive.google.com/file/d/1JQBZk9f359_ojayeKSqF7ad6SNTNzpr5/view?usp=drivesdk

Code for Home Page:

```html
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="utf-8">
        <title>Delivero</title>
        <meta content="width=device-width, initial-scale=1.0" name="viewport">
        <meta content="" name="keywords">
        <meta content="" name="description">
        <div class="container-xxl bg-white p-0">
        <div id="spinner" class="show bg-white position-fixed translate-middle w-100 vh-100
top-50 start-50 d-flex align-items-center justify-content-center">
        <div class="spinner-border text-primary" style="width: 3rem; height: 3rem;"
role="status">
                <span class="sr-only">Loading...</span>
        </div>
        </div>
        <!-- Spinner End -->
        <!-- Navbar & Hero Start -->
        <div class="container-xxl position-relative p-0">
        <nav class="navbar navbar-expand-lg navbar-dark bg-dark px-4 px-lg-5 py-3 py-lg-0">
                <a href="" class="navbar-brand p-0">
                <h1 class="text-primary m-0"><i class="fa fa-utensils me-3"></i>Delivero</h1>
                <!-- <img src="img/logo.png" alt="Logo"> -->
                </a>
                <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarCollapse">
                <span class="fa fa-bars"></span>
                </button>
                <div class="collapse navbar-collapse" id="navbarCollapse">
                <div class="navbar-nav ms-auto py-0 pe-4">
                <a href="home.html" class="nav-item nav-link active">Home</a>
                <a href="service.html" class="nav-item nav-link">Service</a>
                <a href="signup.html" class="nav-item nav-link">Signup</a>
                                    <a href="login.html" class="nav-item nav-
link">Login</a>
        </nav>
        <div class="container-xxl py-5 bg-dark hero-header mb-5">
                <div class="container my-5 py-5">
                <div class="row align-items-center g-5">
```

```html
            <div class="col-lg-6 text-center text-lg-start">
                    <h1 class="display-3 text-white animated slideInLeft">Enjoy
Our<br>Delicious Meal</h1>
            </div>
            <div class="col-lg-6 text-center text-lg-end overflow-hidden">
                    <img class="img-fluid" src="img/hero.png" alt="">
            </div></div></div></div></div>
    <div class="container-xxl py-5">
    <div class="container">
            <div class="row g-5 align-items-center">
            <div class="col-lg-6">
            <div class="row g-3">
                    <div class="col-6 text-start">
                    <img class="img-fluid rounded w-100 wow zoomIn" data-wow-
delay="0.1s" src="img/about-1.jpg">
                    </div>
                    <div class="col-6 text-start">
                    <img class="img-fluid rounded w-75 wow zoomIn" data-wow-
delay="0.3s" src="img/about-2.jpg" style="margin-top: 25%;">
                    </div>
                    <div class="col-6 text-end">
                    <img class="img-fluid rounded w-75 wow zoomIn" data-wow-
delay="0.5s" src="img/about-3.jpg">
                    </div>
                    <div class="col-6 text-end">
                    <img class="img-fluid rounded w-100 wow zoomIn" data-wow-
delay="0.7s" src="img/about-4.jpg">
                    </div></div></div>
            <div class="col-lg-6">
            <h5 class="section-title ff-secondary text-start text-primary fw-normal">About
Us</h5>
            <h1 class="mb-4">Welcome to <i class="fa fa-utensils text-primary me-
2"></i>Delivero</h1></div></div></div>
    <a href="#" class="btn btn-lg btn-primary btn-lg-square back-to-top"><i class="bi bi-
arrow-up"></i></a></div>
    <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"></script>
    <script src="lib/wow/wow.min.js"></script>
    <script src="lib/easing/easing.min.js"></script>
```

```html
        <script src="lib/waypoints/waypoints.min.js"></script>
        <script src="lib/counterup/counterup.min.js"></script>
        <script src="lib/owlcarousel/owl.carousel.min.js"></script>
        <script src="lib/tempusdominus/js/moment.min.js"></script>
        <script src="lib/tempusdominus/js/moment-timezone.min.js"></script>
        <script src="lib/tempusdominus/js/tempusdominus-bootstrap-4.min.js"></script>
        <script src="js/main.js"></script>
</body></html>
```