
FOOD DELIVERY WEBSITE (FOODELI)

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DOI: <https://www.doi.org/10.56726/IRJMETS65900>

ABSTRACT

The rapid advancement of technology and the growing demand for convenience are revolutionizing the food delivery industry. Foodeli is bridging the gap between customers and restaurants with its seamless online platform for ordering and delivering food. Unlike the traditional system, Foodeli is working with state-of-the-art technologies in artificial intelligence and machine learning to improve operational efficiency and customer satisfaction. This research paper discusses the development, functionality, and benefits of Foodeli in light of the problems faced by the food delivery industry. This paper goes further to explain how Foodeli has used innovative strategies to overcome the shortcomings of existing systems by using dynamic route optimization, real-time tracking, and personalized user experiences. Based on industry trends and integrating customer-centric features, Foodeli is a great stride toward reshaping the future of food delivery services. Dynamic route optimization is one of the important strategies used by Foodeli to ensure timely deliveries, as it calculates the most efficient routes for delivery personnel. The real-time tracking allows customers to track their order from preparation to delivery, hence giving them transparency and peace of mind. Another great aspect of the Foodeli platform is personalized user experience, where AI-driven recommendations and tailor-made promotions are applicable to individual preferences, increasing customer engagement.

In conclusion, Foodeli is well placed as one of the large players in the dynamic food delivery landscape with its innovative approach and customer-centric features. This paper will seek to cover all aspects that Foodeli has brought into the industry and their prospects for growth and improvement in this ever-changing sector.

Keywords: Database, Online Food Ordering System, Restaurants.

I. INTRODUCTION

With the rapid development of mobile technology, mobile application is connecting everyfield all together. Therefore, food industry is using this technology in connecting with vast public through online food ordering. Online food ordering may be a process that delivers food from local restaurants and other food co-operatives through a mobile application or an internet site. This type 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 [1]. Customers prefer using the food ordering app as they will generate an order without having to elucidate it to a special person and have the food delivered at his doorstep. Moreover, online payment makes this process easier and faster. Some popular online food ordering companies are “Swiggy”, “Zomato”. Foodeli believes that enjoying a meal at home should be just as satisfying as dining in a restaurant. Our platform showcases a wide range of culinary options and shines a spotlight on local restaurants that might otherwise go unnoticed. In so doing, we not only support local businesses but also offer customers the opportunity to explore diverse cuisines with just a few clicks.

The basic features that are needed by the customers in an application are making order, food review, order history, restaurant profile, profile setting, order status, and track order.

II. LITERATURE SURVEY

In this paper it has been planned that the way to improve the management of food delivery services and pay attention to customers' databases and it is developed from the edifice management system to induce the services with efficiency from the users of the system, providing numerous facilities. Restaurants yet as a multitude facility square measure enclosed during this. So, with the assistance of automaton smartphones and tablets, we can simply direct and operate the appliance for his or her orders. This application conjointly helps the admin with the client's need. The food business is very effortful and therefore the biggest expense during

this is to search out the proper reasonable individuals to try to do the work of food things within the business. A significant amount of literature exists concerning the food delivery sector, emphasizing consumer trends, technological integration, and market dynamics. This literature review highlights the necessity to understand consumer behavior, competitive strategies, and the technological infrastructure underlying successful food delivery platforms. The website has been wanted to give many restaurants and chefs' kitchens listed with their menus consequently. thus, customers do not get to carry pamphlets and a menu list to order the food they have. They are calculable that for our food ordering convenience, merely clicking one button is ample, and they claim that by providing consistent and effective services to customers, innovation will grow with success

III. OBJECTIVE

The main objective of the paper is to provide an online food delivery app "FOODELI" which can serve the society with an added advantage by ordering from two or more places if in the same route or within 5-6 km range, and the customer can only register once using Aadhar verification and secure log-in, it makes the web portal safe for transactions. Also, to eliminate the wait time, the users can book a table at the restaurant of their choice with just a few taps. The purpose of this invention is to provide profit in terms of Stakeholders [32], easy in terms of the app user, diverse options for ordering food, improvising in Delivery mechanism to solve the hectic situation created by single place, single order criteria.

The app is very much easy to use as all it requires is an internet connection, just log in to the web-portal/app and the user can order from multiple locations and can also order for more than one location in one time. With the services, responsibilities come hand-in-hand, it is very important to know the satisfaction of the customers in terms of using the services, timely delivery, their intention to use the app again. So, our paper includes "the satisfaction of customers" which also makes the business profitable as customer satisfaction is directly proportional to the recommendation a restaurant gets every time a customer checks the reviews. If the previous customer is satisfied and gives good reviews then only the next customer thinks of ordering from the same, if not the customer has many other options to go to. So, it is very important to satisfy the customers to make one's name in the market.

IV. EXISTING SYSTEM

The existing food delivery systems can be classified into several categories: aggregator platforms, restaurant-owned delivery, and hybrid models. Aggregator platforms, like Uber Eats and DoorDash, provide a collection of restaurants under one app, allowing users to browse and order from multiple providers. On the other hand, restaurant-owned systems typically limit the selection to a single establishment. Foodeli aims to bridge the gap, providing an aggregator model while emphasizing local restaurant partnerships to enhance community engagement.

V. SYSTEM OVERVIEW

Foodeli is equipped with user-friendly features designed to facilitate a seamless ordering experience. Some key components include:

- **User Interface:** Intuitive design with a focus on user engagement.
- **Restaurant Selection:** A diverse range of cuisine options from vetted local establishments.
- **Payment Gateway:** Secure and multiple payment options for user convenience.
- **Real-Time Tracking:** Users can track their orders live, ensuring transparency and reliability.
- **Feedback Mechanism:** Allows users to rate restaurants and delivery service for continuous improvement.

VI. SYSTEM DESIGN

The System flow chart diagram is a graphical representation of the relation between all the major parts or steps of the system. A flow chart diagram cannot include minor parts of the system.

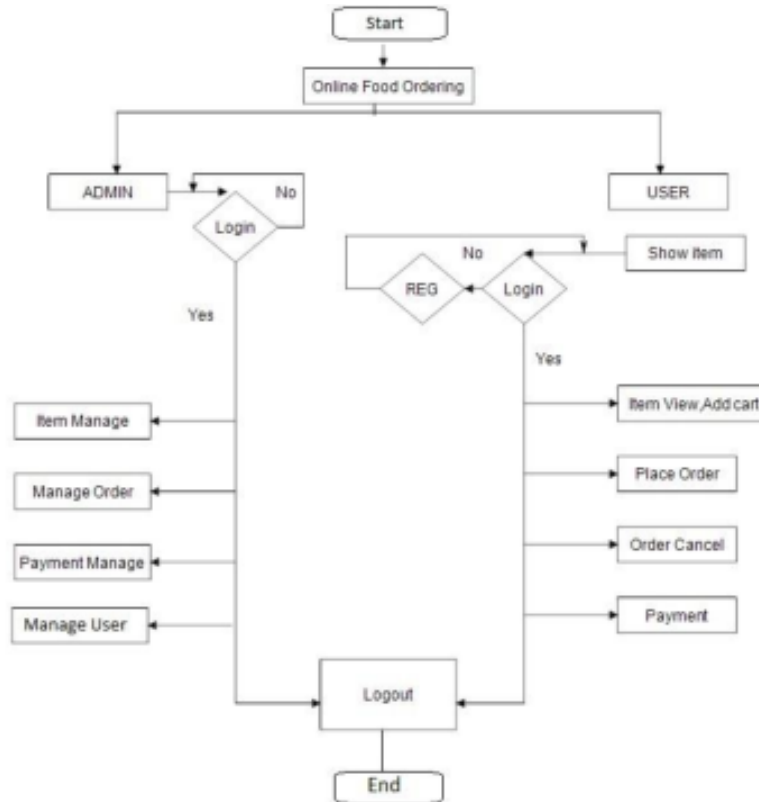


Fig 1: System flow chart

VII. RESULT AND DISCUSSION

USER INTERFACE

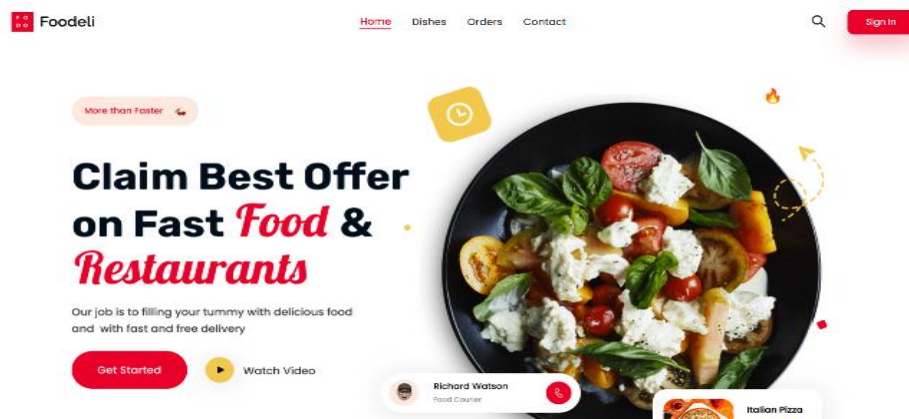


Fig 2(a): Home Page

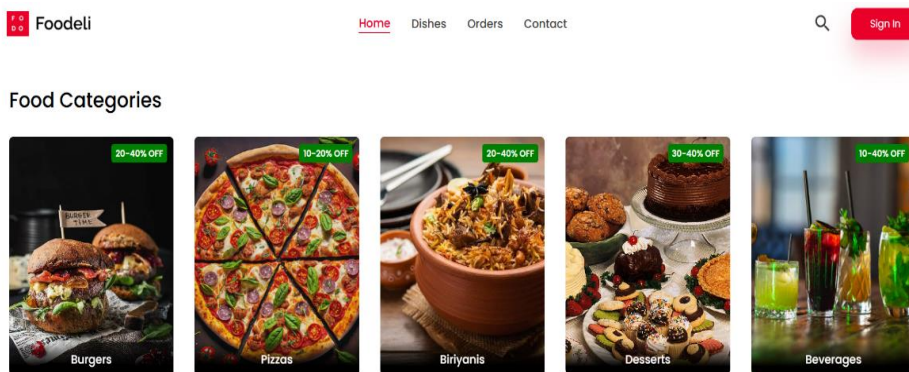


Fig 2(b): Different types of menu categories

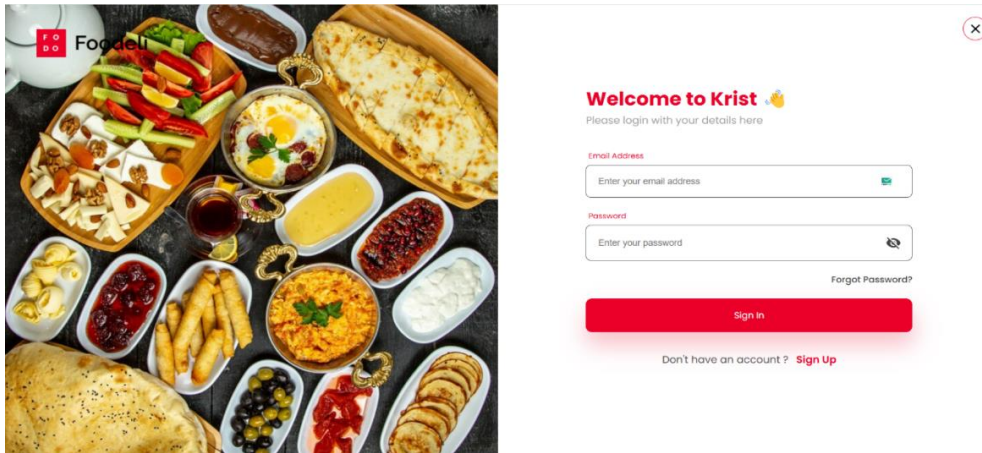


Fig 2(c): Signup page

VIII. FUTURE SCOPE

In a shell, it is summarized that the long run scope of the project circles around maintaining data regarding:

- We will add printer in future.
- We will offer additional advance package for on-line Food Ordering System as well as additional facilities
- We can host the platform on on-line servers to create it accessible worldwide
- Integrate multiple load balancers to distribute the masses of the system
- Create the master and slave info structure to scale back the overload of the info queries
- Implement the backup mechanism for taking backup of codebase and info on regular basis on totally different servers
- The preceding points area unit the enhancements which may be done to extend the pertinency and usage of this project. Here we will maintain the records of Food Item and class. Also, because it is seen that now-a-days the players area unit versatile, i.e., therefore, there's a scope for introducing a way to keep up the web Food Ordering System. Enhancements is done to keep up all the Food Item, Category, Customer, Order, make sure Order.
- We have left all the choices open in order that if there's the other future demand within the system by the user for the sweetening of the system then it's attainable to implement them. Within the last we'd prefer to thank all the persons concerned within the development of the system directly or indirectly. We have a tendency to hope that the project can serve its purpose that it's develop there by underlining success of method.

IX. CONCLUSION

An online food ordering system has been planned wherever the purchasers will create associate or orders the food and avoid the hassles of watching for the order to be taken by the waiter. The exploitation of the application, the tip users register online, scan the E-menu card, and choose the food from the e-menu card to order food online. Once the client selects the desired food item the cook is going to be ready to see the results on the screen and begin to process the food. This application nullifies the requirement of a waiter or reduces the employment of the waiter. The advantage is that in a very jammed eating place there will be the probability that the waiters are overladen with orders and that they are unable to fulfil the wants of the client in a very satisfactory manner.

ACKNOWLEDGEMENTS

We express our sincere thanks to the project coordinator and Assistant Professor, Krishna Kumar Joshi, for his true guidance, constant support, and motivation through the course of the project. His professionalism and suggestions helped in extensive way to complete this successfully. More thanks also to our teammates who made this project a reality. The ideas and hard work of all involved were imperative in building the Apparel Recommendation System. Lastly, we extend our appreciation for the materials and services offered to us, which helped us in accomplishing this project as expected. In this segment, express gratitude to all individuals or organizations that have contributed to the research and development of Foodeli.

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