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A REVIEW OF FOOD DELIVERY WEB APPLICATION USING AUTOMATION AND RECOMMENDATION

Dhananjay pandey[1], Rishabh jain[2], Ankit Bansal[3], Aayush sharma[4], Dr. Soumi Ghosh[5]

Student, Department of Computer Science and Engineering, Inderprastha Engineering College, Ghaziabad[1-4]

Assistant professor, Department of Computer science and Engineering, Inderprastha Engineering College, Ghaziabad[5]

Abstract: A FoodHub website shows restaurants based on their locations. Users can view restaurant listings based on where they are located. Registering a restaurant on this website and editing its items as necessary is easy. Users get the recommendation of their choice and get a discount which is very profitable and creates a hook for the customers to continuously use the website. Website interface is very user friendly through which the customer can easily order the food items of his/her choice. This paper will show the increase in demand for food ordering apps and our FoodHub website insight. How we made our website work and added new features to make the customer experience better.

INTRODUCTION

As the world becomes more digital, people expect to have everything at their fingertips, which smartphones and computers provide. In this case, the meal is no exception. In India, food delivery is becoming commonplace, and once consumers adopt the digitized service, there is no turning back. Consumers are increasingly drawn to online ordering applications rather than restaurant home delivery. There is no human involvement in the process of using online meal delivery apps, which provides it more privacy. Our website is quite useful in this situation. Maintaining user privacy and providing a variety of dining options.

The advancement of Technology has provided many new ideas for solving the problems of people and the food industry is also affected by it. It has opened new learning opportunities for restaurants and stalls owners to expand their market. Currently the Indian online food market is $350 billion. Food Technology is a broad area. Online food delivery apps are just part of it.

The online food ordering gets a measure push in the covid pandemic where safety and hygiene plays a very important role and social distancing and avoiding crowds has become very important.

FoodHub is a service that allows customers to order food from various locations. FoodHub displays various food options and suggests various discounts to customers in order to enhance their experience.

This study will demonstrate the rise in popularity of food ordering applications as well as data from the FoodHub website. How we're improving our website and introducing new features to improve the user experience.

Food prices will remain the same or increase by 10%, depending on the type of food. The website would charge a Rs 50 delivery fee.

The consumer can order many dishes from various restaurants at the same time, but the delivery fee remains the same at Rs 50.

We're also adding newer and street vendors that aren't registered and have minimal experience with food delivery and online ordering. Discuss bringing them on board to help them grow their business.

3. LITERATURE REVIEW

Meuter et al., (2003) the most important factor in influencing customers is time saving orientation. When a person finds himself short on time owing to daily activities such as work and leisure activities, he will look for ways to save time.

Brown and Venkatesh (2005) discovered that behavioral intention is a type of buy intention that may be used to predict client purchase behavior. Customers who wish to restrict human engagement with others, particularly those who have had an unpleasant encounter with frontline workers or sales personnel, may be more inclined to use the online approach.

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Chris (2015) Some businesses believe that if a restaurant is promoted quickly, customers will book tables immediately. However, in today's market, some restaurants are unable to attract customers due to high penetration, particularly in urban areas where customers are more selective and people do not have enough time to visit restaurants. Restaurant operators form partnerships with meal ordering and delivery businesses to supply food to customers in this situation. Food delivery services also increase establishment visibility.

In Aakash Gupta et al. (2018) Paper meal delivery is creating a lot of career chances in cities, and job seekers are finding these apps highly appealing because they are more profitable. It demonstrates some crucial success criteria for this company's earnings and public trust. Customers' preferences are prioritized by this technology.

Zeithaml&Bitner (2018) Because there is no direct engagement with restaurants in the online meal ordering and delivery sector, Service Encounters are rare in the food delivery market. Consumers frequently rely on information provided on restaurant websites. Customers make decisions based on reviews and ratings provided by critics and seasoned customers. Phone contacts do occur, but they are usually between the meal ordering and delivery service company and the customer. According to RedSeer Consulting firms, the meal delivery industry is growing at a rate of 15% per quarter.

Anupriya Saxena (2019) The drivers of online food sites are discussed in this study article. Free stuff, cash back, and other services are provided by many applications and companies. It demonstrates how convenient ordering from an application is. According to the research, the online meal delivery business model is in high demand, has a lot of potential, and is cost-effective. The general public is also aware of these internet food delivery services.

Dr. Mitali Gupta (2019) told us about the impact of Swiggy and Zomato on the food industry. Their companies had taken the industry by storm and customers like the services of these applications. Restaurants also get the order at night and boost its profits. Customers are having the apps because they have all the fertility at their fingerprints.

Vaggelis Saprikis et al. (2019) The rapid development of the internet and advancements in information technology have changed the way items are bought and sold, resulting in the dramatic increase in the amount of online shopping. Due to variances in consumer profiles and the kinds of products and services offered, there have been many differences in online purchasing. As a result, for both shopping portals and consumer theorists, understanding who is consuming and why they choose to use or avoid the Internet as a distribution channel is critical. The motivations for using or avoiding internet shopping, as well as the types of products desired, were also investigated. The study offers fascinating insights into online consumer behavior, with noteworthy findings.

Kimes&Laqué(2020) The restaurant industry relies heavily on online meal ordering. Customers can place orders through smartphone apps made by food supply chain restaurants such as Pizza Hut, Dominos, and McDonald's. However, ordering food over the phone remains the most common technique. The majority of restaurant information on online food ordering services' websites is their property, however phone numbers are unique to each hotel or restaurant. A smartphone app will be more convenient for customers.

Upendra More et al. (2021) found out the competition between the online food delivery applications and predicted the future and how it is going to shape in the next few years. Online food delivery services have even boosted the credibility of startup restaurants giving them exposure to the public at large. The analysis shows how food delivery is impacting the market and predicted that it is going to change in a few years.

4. METHODOLOGY

Software Requirements:

- Web Browser
- Visual studio Code
- Reacts
- NodeJS
- Postman

Hardware Requirements:

- Computer
- Hard Drive
- Server

Our application first starts with the customer entering his/her credentials (name, ID and password). Once that has been verified with the email verification, the customer can place an order specifying the quantity of the food required and we

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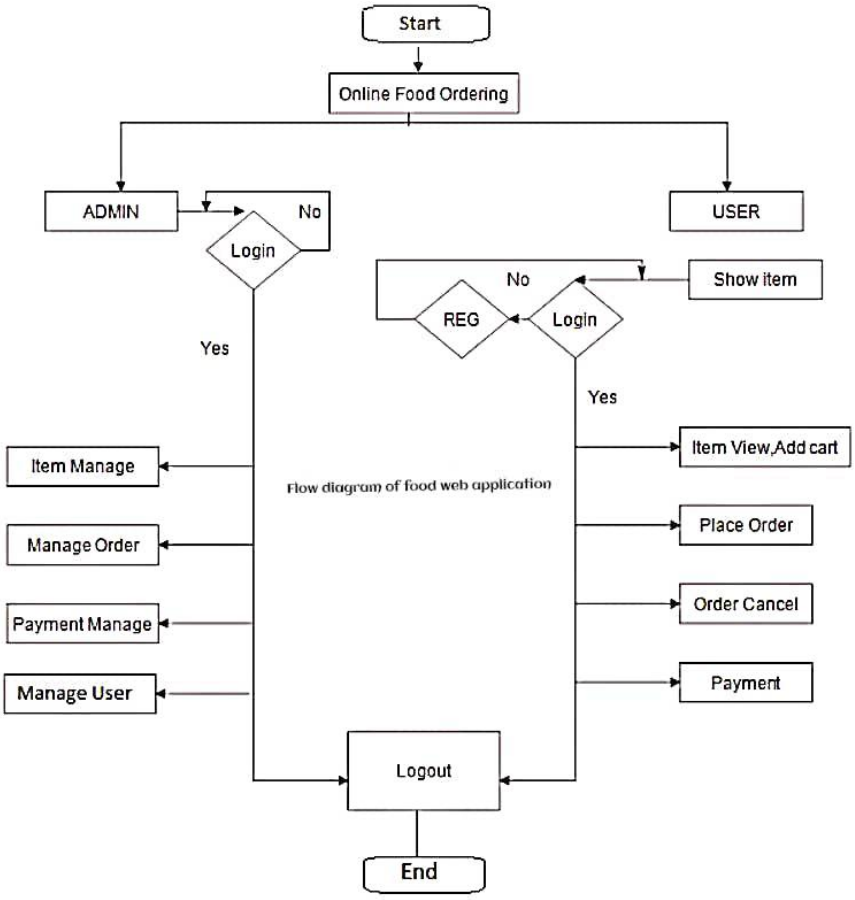
have also introduced an provision of Google map in which the customer can see the nearby restaurants Now we get a window that

The order number, patron ID, meals name, price, and extent are all displayed. When a consumer completes his or her order based totally on the suggestion system, they are routed to the price window, the place where the whole rate is displayed and the patron can pick out the price approach of their choosing, after which the customer receives an order affirmation message.

The ReactJS lesson covers essential and advanced techniques. ReactJS is presently one of the most famous JavaScript front-end libraries, with a strong groundwork and a sizable person base.

ReactJS is a JavaScript library for growing reusable consumer interface elements that is declarative, efficient, and versatile. It's an open-source, component-based front-end library that is simply accountable for the application's view layer. It was once created and managed via Facebook, and it used to be later utilized in main merchandise like WhatsApp and Instagram.

The float chart of our internet site is given below:



Flow diagram of food web application

5. RESULT AND DISCUSSION

Result :

- In our website we are making use of both backend and frontend for fetching the data.
- In this application we are emphasizing more on local vendors and thus have created a platform of employment for local vendors.
- community of opportunity for them.

Pros :

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- Customer and local vendor friendly platform.
- It is very useful to local vendors.
- We have also enabled google map API which ensures you get the nearby restaurants near you.
- Also introduced the facility of recommendation near you.
- A facility was introduced for recommending the highest star rating restaurant.
- feature was introduced allowing users to recommend the highest
- People can use the proposed system to successfully order food.

Cons:

- Deployment should be accompanied by network latency.
- Network latency should be considered during deployment.
- The interface design might look boring to some customers, depending on their view.

Applications:

- It is a very useful interface because it ensures we can order food at any time.
- We can order our favorite meals from any restaurant.

Discussion:

People may easily take advantage of this system, which also serves as a platform for local vendors and allows locals to order meals from their favorite local vendor. It is simple to use, has a low commission, and provides great service with little time wastage when compared to an offline event, as well as avoiding long lines.There are no restrictions, on the other hand we are working to enhance the person's experience.

6. CONCLUSION

Customers may buy food online whenever they want with confidence and convenience using this online meal ordering system. So, using the Google Ma API, a client can just type in their preferred location, and we will return a list of the top recommended restaurants nearby, guaranteeing that the user's location is preserved while also providing superior quality cuisine. This guarantees free delivery up to 5 kilometers and allows local businesses to be prioritized. This strategy works well at schools, universities, and other institutions since students can simply order food, and it also works well for families. It also only recommends high-end dining establishments.

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