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# **Online food delivery system**

# Tanisha Harjani<sup>1</sup>, Tanisha Prajapati<sup>2</sup>, Vanshika Ahuja<sup>3</sup>, Mayur Galani<sup>4</sup>, Priya Pachpande<sup>5</sup>

<sup>1,2,3,4</sup>Department of Computer Engineering, Vivekanand Education Society's Polytechnic, Chembur, Mumbai-71
<sup>5</sup>Lecturer of Department Computer Engineering, Vivekanand Education Society's Polytechnic, Chembur, Mumbai-71

#### ABSTRACT:

SmartBite is a super easy food delivery app. Just use it on your phone. You can check out the menus from many nearby restaurants and order food in no time. The app lets you see where your food is when it's delivered, so you know exactly when it will arrive. However, it is not just a basic application. It has cool stuff like a talking assistant and a smart chatbot. You can even share your food adventures with your friends on social media. And guess what? The more you use SmartBite, the more benefits you get! They will give you special discounts and rewards just for being a loyal user. Don't worry about your information getting out. SmartBite takes your privacy seriously. They have settings to keep your stuff safe and use special codes to protect your payments. SmartBite is all about making food delivery easy and fun. With this app, getting your favorite foods is a breeze

Keywords: SmartBite, User-friendly

## **INTRODUCTION :**

SmartBite is an innovative food delivery app that brings you convenience, choice and culinary adventures. With a large selection of restaurants and eateries, a user-friendly interface and secure payment options, SmartBite ensures an easy and enjoyable food ordering experience. Whether you're a busy professional, student, or family, SmartBite meets your needs and makes meal planning and cooking a thing of the past. Introducing the future of food ordering with SmartBite. There is no limit to deliciousness and it can be satisfied with just a few clicks. The online food ordering system is a system where the food menu can be set online and customers can easily order according to their taste. There is also a food menu and online customers can easily track their orders. Maintain customer database management and improve food delivery services. The restaurant management system is our motivation to develop this system. We have various facilities to allow users of the system to receive services efficiently. In addition, this system considers not only restaurants, but also food and beverage facilities for customers. Again, the idea is raised that most impaired users are people who have moved to a new city for various reasons. Therefore, they are related. The increasing use of smartphones is also one of the motivations that allow users of this system to access all services with one click. The system is designed to prevent fatal user errors, users can change their profile, users can track their food via GPS, and users can provide feedback and recommendations and rate them. Another possible motivation is to enable and provide appropriate feedback. To restaurants/food service providers. This system is needed due to the lack of a complete newcomer program that can meet the customer's needs by providing meals from restaurants and catering services. This proposed system provides flexibility to customers/users to order from a restaurant or a canteen.

## Literature Survey :

In an automated food delivery system is proposed which will keep track of user orders smartly. Basically, they implemented a food delivery system for different type of restaurants in which user will make order or make custom food by one click only. By means of android application for Tablet PCs this system was implemented. The front end was developed using Flutter, and at the backend database was used. The list of selected preordered items shall be shown on the kitchen screen, and when confirmed, order slip shall be printed for further order processing. The solution provides easy and convenient way to select pre-order transaction form customers. In This system was a basic dynamic database utility system which fetches all information from a centralized database. This application improved the accuracy and efficiency of restaurants as well as human errors. Earlier drawbacks of automated food delivery systems were overcome by this system and it requires a onetime investment for gadgets. In an application of integration of hotel management system (CRM) are held together by the Digital Hotel Management. Add or expand of hotel software system in any size of hotel chains environment was possible with this solution. In research work aims to design and develop a wireless food ordering system (WOS) including systems architecture, function, limitations and recommendations were presented in this system. In A customizable wireless food ordering system was carried out. It enables restaurant owners to setup the system in wireless environment and update menu presentations easily. Smart phone has been integrated in the customizable wireless food delivery system with real-time customer feedback is presented at the system in the restaurant and update menu presentations easily. Smart phone has been integrated in the customizable wireless food delivery system was carried out. It enables restaurant owners to setup the system in wireless environment and update menu presentations easily. Smart phone has been integrated in the customiza

implementation to facilitate real-time communication between restaurant owners and customers. In the purpose of this study was to investigate the factors that influence the attitude of internet users towards online food delivery in Turkey among university students. A Technology Acceptance Model (TAM) developed by Davis in 1986 was used to study adoption of Web environment for food delivery. Trust, Innovativeness and External Influences are added to the model as main factors along with TAM. In the research work aims to automate the food ordering process in restaurant and also improve the dining experience of customers. Kitchen and cashier receives the order details from the customer mobile wirelessly. These order details are updated in the central database. The restaurant owner can manage the menu modifications easily. In this research works on efforts taken by owners of restaurants to adopt information and communication technologies such as PDA, wireless LAN, costly multi-touch screens, etc. to enhance dining experience. This paper highlights some of the limitations of the conventional paper based and PDA-based food ordering system and proposed the low-cost touch screen-based Restaurant Management System using an android Smartphone or tablet as a solution.

### Methodology :

The simulation first starts with the customer entering their login details (name, ID and password). After verification, the customer can place an order specifying the required amount of food. Now we will see a window that shows the order number, customer ID, food name, price and quantity. Once the customer completes their order, they are redirected to the payment window where the total price is displayed and the customer can choose the payment method of their choice and then receive an order confirmation message. The block diagram and ER diagram of the proposed online food delivery system. The above simulation flow is with respect to the customer's point of view. Now, if you are an administrator, you can select the normal login option and enter the administrator credentials (email id and password). Once you enter the admin portal, you will get the option to add food, remove food or update food. Either choice leads you to the menu. After performing the selected operation, the final result will be displayed, i.e. added food or updated food list, and if you have deleted any food, that particular food will disappear from the main menu.

### **Problem Statement :**

They have the problem of developing and running an efficient and user-friendly food delivery application, named SmartBites, which emulates the functionality of popular platforms like Zomato. The application should enable users to browse, select and order food items from various restaurants, create virtual baskets, generate accurate bills and facilitate on-time delivery. To achieve this, we need to address several key challenges and objectives.

#### Software Requirements

- Android Studio:- Android Studio is the official Integrated Development Environment (IDE) for Android app development, providing tools for coding, testing and debugging. It is built on IntelliJ IDEA and offers features specially designed for Android development, including an emulator for testing applications on different Android devices.
- Flutter:- Flutter is a popular open-source UI framework created by Google for building natively compiled applications for mobile, web and desktop from a single codebase using the Dart programming language.
- Postman:- Postman is a widely used API client tool that simplifies the process of testing, documenting and debugging APIs. It allows developers to create requests, organize them into collections, and automate testing workflows, making API development more efficient and collaborative.
- Dart:- Dart is a programming language developed by Google, known for its speed and flexibility, especially for creating web and mobile applications. It is often used with Flutter for cross-platform application development and offers features such as strong typing, asynchronous programming, and just-in-time compilation for faster development cycles.
- API:- An API (Application Programming Interface) is a tool that allows different software programs to talk to each other and share data or functionality. It's like a bridge that allows applications to work together easily, enabling developers to create better, more integrated software solutions.

Modelling and Analysis :



Figure 1. Use Case Diagram For Food Delivery System

## **Future Scope :**

The project aims to develop an online food delivery system that can be used in small places and medium cities first and then on a large scale. It has been developed to help restaurants simplify their daily operational and managerial tasks as well as improve the dining experience of customers. And also helps the restaurant develop healthy customer relationships by providing better services. The system enables employees to update and modify their food and beverage inventory information based on orders placed and orders completed.

# **Result :**

# Few Pages from the App:-





### **Conclusion :**

Therefore, the conclusion of the proposed system is based on the user requirement and is user centered. The system has been developed keeping in mind all the user related issues involved in this system. A wide range of people can use this if they know how to operate an Android smart phone. Various problems related to mess/tiffin service will be solved by providing them complete system. Thus, online food delivery system is implemented to help and solve one of the important problems of people. Based on the result of this research, it can be concluded: it helps the customer to make the order easily; It gives the customer the required information in order. Food website application made for restaurant and mess can help the restaurant and mess to get order and change its data and it is also made for admin to help admin to control all food system. With an online food delivery system, restaurant and mess menus can be set online and customers can place orders easily. With food menu online, order tracking is done easily upload images. Since the restaurant menu is on the internet, potential customers can easily access it and order at their convenience. Thus, an automated food ordering system with feedback and wireless communication facilities is introduced. The proposed system will attract customers and increase efficiency in maintaining restaurant and mess ordering and billing departments. The prevalence of the proposed system is reasonable as a large amount of people are migrating to different cities so that a wide range of people can use the proposed system.

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