

FOOD DELIVERY APP ANDROID

¹Shivarajgouda N B, ²Pavan U R, ³Chetan Kumar G S, ⁴Dr Harish B G

^{1,2}Student, ^{3,4}Guide
UBDTCE Davangere

Abstract- The main purpose of an online food ordering system is to track information such as item categories, meals, delivery addresses, orders and shopping carts. Tracks information about Product Categories, Customers, Shopping Carts, and Product Categories. Because the project is only set at the administrator level, only the administrator can access the project. The goal of the project is to create software that reduces the time spent manually managing item categories, food, customers and shipping addresses. Store shipping address, order and shopping cart information.

This article provides an overview of grocery delivery apps and how to order food through grocery delivery. Today, the world of information technology is considered. Today, people are used to using computers, mobile phones and mobile applications. Statistical Analysis Methods. The study focused on all food ordering systems, whether manual or digital, and divided them into 14 different categories. Each category is then explained in detail. Then some commonly used programs are evaluated. The technology used for this application is then defined.

INTRODUCTION

The recommended technology is an online food ordering system that is easy for customers. It overcomes the shortcomings of the traditional queue system. Our system is an easy way to order food from restaurants as well as a hassle-free service. The process of receiving customer orders is made easy with this technology. Customers can order quickly from an online food ordering system that creates an online menu. Customers can also use the food menu to track their orders. Users can also rate food products using the system's feedback feature. In addition, based on user ratings, the proposed system can recommend hotels and restaurants and inform hotel staff about quality adjustments.

LITERATURE REVIEW

Below are the research papers used for our analysis, considering different approaches. Completed the design and implementation of a wireless food ordering system for restaurants and customer feedback. This allows restaurant owners to set up the system in a wireless environment and easily update the menu display. This smartphone is integrated into a wireless food ordering system that can be configured with real-time customer feedback to facilitate real-time communication between restaurant owners and customers. The purpose of this research is to investigate the factors that affect the attitude of internet users to order food online. among university students in Turkey. The Technology Acceptance Model (TAM), developed by Davis in 1986, was used to study the acceptance of web environments for food ordering. Trust, innovation, and external influence are key factors with TAM. This research aims to automate and improve restaurant food ordering. customer dining experience. In this paper, an external ordering system is designed for a restaurant. This system allows wireless data access to the server. The android application on the user's mobile phone will have the menu details. The kitchen and cashier receive order information wirelessly from the ordering device. These order details are updated in a central database. Restaurant owners can easily manage menu changes. This study shows that restaurant owners use PDAs, wireless LANs, expensive multi-touch screens, etc. is working on businesses to adopt information and communication technologies such as This paper highlights some of the limitations of paper-based food ordering systems and traditional PDAs and proposes a low-cost touchscreen restaurant management system using an androidSmartphone or tablet solution. The purpose of the research is that this application is based on user demand and is used by users. All issues related to users in this system are handled by this system. If people know how to operate an android smartphone, the application can be used by different people. This system will solve all kinds of problems related to the Mess service. The implementation of the online food ordering system was made to help and solve the important problems of the people. Program-based: orders are easily processed by this system; The system provides customers with the information they need to place an order. Accepting orders and changing data is not possible through the application and the admin helps in controlling the feed system. Multi-sensor technology is an advanced version of existing technology that allows users to perform and manage various types of operations simultaneously on a multi-touch screen. Multiple users can interact with the screen at the same time. But this technology has some limitations, the touch screens available in the market are strong and resistive and expensive. Capacitive screen limitations are more expensive and shorter. Can be affected in a dusty and dirty environment. The main objective of the proposed system is to improve the efficiency of the food ordering system, reduce human error and provide satisfactory service to customers.

SYSTEM DESIGN

The View Controller model, or MVC as it is more commonly known, is a software design pattern used to build web applications. The Model View Controller pattern consists of three parts:

Model The lowest level of the model is responsible for storing data.

View You are responsible for displaying all or part of this information to users.

Controller - The software code that manages the Model's interaction with the View. MVC is popular because it separates the application logic from the user interface layer, which allows separation of responsibilities. All application requests are received by the Administrator who works with the Model to prepare the information required by the Event. The View then uses the

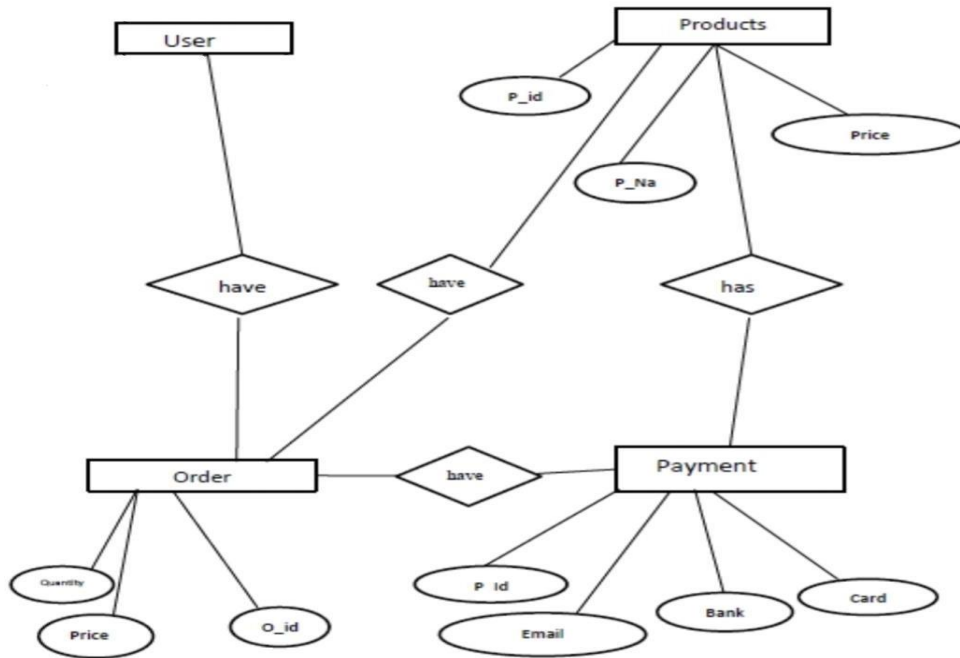
information generated by the Controller to generate the final displayed response. The MVC abstraction can be represented graphically like this. MVC (View Model Flow Controller) diagram.

Examples of software project plans:

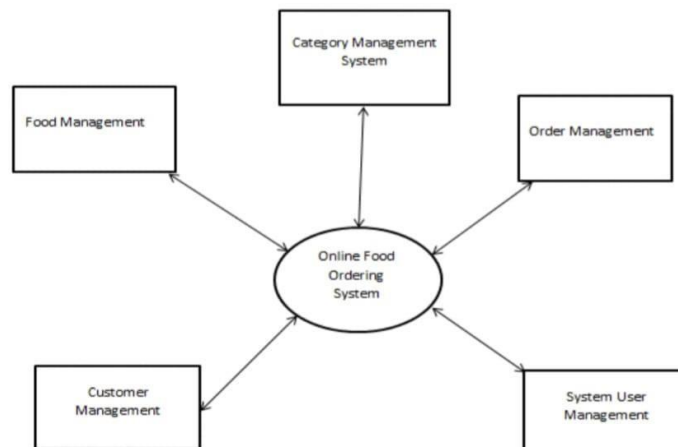
How will the project be implemented in the company? What are the constraints (in terms of time, money, and energy)? What does it mean to have a marketing strategy?

Client Meetings: Weekly or periodic meetings with clients with progress updates. Customer feedback is also taken into account and changes and improvements are made as per the need. Project variables and results are also presented to the client.

Entity relationship (ER) diagram :

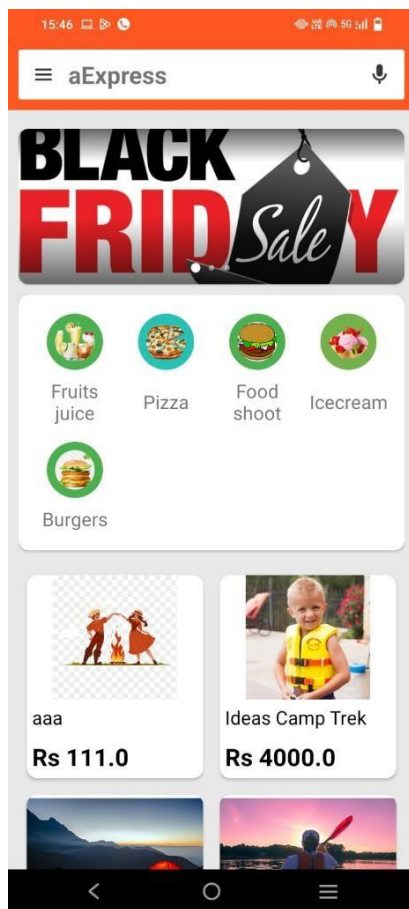


DATA FLOW DIAGRAM



RESULTS

Snap shot 1



Snap shot 2



CONCLUSION

Finally, we have created a safe, user-friendly food order management system for the online food order system. Be it a Manager or a Customer, this system can take care of everything. This system will allow them to manage customer feeds, deliver customer data and scale smoothly. This system is completely secure because each user is assigned a unique user ID and password to prevent unauthorized access. Ease of use with online payment, registration and cancellation. Ultimately, using this strategy will help reduce labor costs while giving customers more opportunities to enjoy the service. This paper presents all the proposed systems related to grocery delivery, grocery ordering and grocery delivery. But all the proposed systems have many weaknesses. In the traditional system, the waiter takes the order from the customer, writes them on a piece of paper, and then sends it to the kitchen for processing. To overcome the limitations of traditional paper-based personal digital assistant systems, multi-touch screen technology systems have been introduced that allow users to use the same touch screen to order food. Then came the wireless food ordering system, which allowed customers to receive real-time feedback. This system has revolutionized the mobile food ordering and delivery process, but has some limitations and usability issues. It is now responsible for delivering food products that can be used according to the current customer needs and performing the usage tasks that are in this system.

REFERENCES:

1. HARRIS, H. K. S. D. F. (2014). Software Development Aspects of a MobileFood Ordering System.
2. Chavan, V., Jadhav, P., Korade, S., & Teli, P. (2015). Implementing Customizable Online Food Ordering System Using Web Based Application. *International Journal of Innovative Science, Engineering & Technology*, 2(4).
3. Islam, R., Islam, R., & Mazumder, T. (2010). Mobile application and its global impact. *International Journal of Engineering & Technology (IJEST)*, 10(6), 72-78.
4. Bhargave, A., Jadhav, N., Joshi, A., Oke, P., & Lahane, S. R. (2013). Digital Ordering System for Restaurant Using Android. *International journal of scientific and research publications*, 3(4), 1-7.
5. Shinde, R., Thakare, P., Dhomne, N., & Sarkar, S. (2014). Design and Implementation of Digital dining in Restaurants using Android. *International Journal of Advance Research in Computer Science and Management Studies*, 2(1).