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A NEW CUSTOMER QR CODE FOOD ORDERING SYSTEM

* **Ms. RADHA RANI AKULA**
*Professor, Department Of CSE, **Malla Reddy Engineering College For Women**, TELANGANA, India
M. Neha Reddy[1], N. Sai Nikitha[2], N. Bhavana[3], N. Sowmya[4]
B. Tech Pursuing, Department Of CSE, **Malla Reddy Engineering College For Women**, TELANGANA, India

Abstract:

Food Ordering System Using QR Code Technology is a real time ordering system to manage the order process for cafeteria. This system helps customer to order without having to wait for the waiters to serve them. The cafeteria system is currently using traditional way which is took order system by using paper, cause the order missing and not manage properly to record the orders of customer. The current hand written ordering system brings inconvenience to both staffs and customer as it requires a lot of manual work and time. They don't have a proper ordering system to support and make the ordering process smoothly in the cafeteria. Nowadays, smartphone and tablet have widely used in our day to day life. By having this cafeteria food ordering system using QR Code, the time of placing order has reduced. Our proposed system is Cafeteria Food Ordering using QR Code that enables ease for the customers. Actually ordering is generating the QR code to increase the cafeteria productivity, whereas the tablet is used to scan the code and the order is send to the kitchen. By using this system, customer just captures QR Code on the table in each table cafeteria for ordering food. After placing an order, the admin can accept the order and it will be send through to the kitchen. People can easily scan the QR code by their smartphone which is on the cafeteria table. This new ways of ordering will ultimately save time for the waiter to take up orders and this system improves the method of taking the order from customer. In addition, owner cafeteria can add or manage their food menus and can saw the status updated from staff has delivery the order's to the customer.

Keywords: Multi-Keyword Ranked Search, Security, Cipher text Search, Privacy preserving.

1.Introduction:

Food Ordering System using QR Code is a web- based system will help cafeteria to manage and controls their cafeteria. Web-based ordering system is generating the QR Code which provides a link. The customer need to scan the code placed at the table in the cafeteria, and the customer can choose the menu then automatically the order will be send to the kitchen. There are various facilities provided so that the users will get service effectively. This system helps the cafeteria to do all functionalities more accurately and faster way. All they have to do is just scroll the web page of menu and tap to place an order. The current system is using traditional way which is paper menu and using paper sheets to record the orders of customer. Processing method of ordering in cafeteria increases efficiency and reduces human energy and time based. With a little help of QR code, it will ease the cafeteria workers to take food orders rather than use the traditional system. Hence, one of the advantages of the cafeteria food ordering system with QR code is customer satisfaction. All the processing method of ordering in cafeteria increases efficiency and reduces energy and time based on QR code without the need to the presence of waiter at the table by eliminating some stages of traditional ordering. All the menu information will be save in the database and admin can manage the menu items easily at any time or anywhere.

2. LITERATURE SURVEY:

Title: "A Proposed System for Touchpad Based Food Ordering System Using Android Application"Authors: Kirti Bhandge, Tejas Shinde, Dheeraj Ingale, Neeraj Solanki, Reshma Totare In [1] an automated food ordering system is proposed which will keep track of users and others smartly. Basically, they implemented a food ordering system for different types of restaurants in which user will make order or make custom food buy one click on only. By means of Android application for tablet PCs the system was implemented the frontend was developed using Java, Android and the back in my SQL database was used.

Title: "Online Food Ordering System Using Web Based Application"

Authors: Varsha Chavan, Priya Jadhav,Snehal Korade,Priyanka Teli,

In [2] customer using a smartphone is considered as a basic assumption for the system. When the customer approaches the restaurant, the saved order can be confirmed by touching the smartphone. The list of selected pre-ordered items shall be shown on the kitchen screen, and when

confirmed, order slip shall be printed for the order processing Foster the solution provides an easy and convenient way to sell at preorder transaction from customers.

Title: "Digital dining in Restaurants using Android"

Authors: . Resham Shinde, Priyanka Thakare, Neha Dhomne, Sushmita Sarkar,Design

In [3] there was an attempt to design and implement digital dining in restaurants using Android technology. This system was the basic dynamic database utility system which touches all information from a centralized database. For this application improved the accuracy and efficiency of restaurants as well as human errors. Earlier drawbacks of automated food ordering systems were overcome by this system and it requires a one-time investment for gadgets.

Title: "Automated Food Ordering System"

Authors: Patel Krishna, Patel Palak, Raj Nirali, Patel Lalit

In Paper [4], the research work aims to automate the food ordering process in restaurant and also improve the dining experience of customers. Design implementation of food ordering system for restaurants were discuss in this paper order details are updated in the central database. The restaurant owner can manage the menu modifications easily.

3. EXISTING SYSTEM:

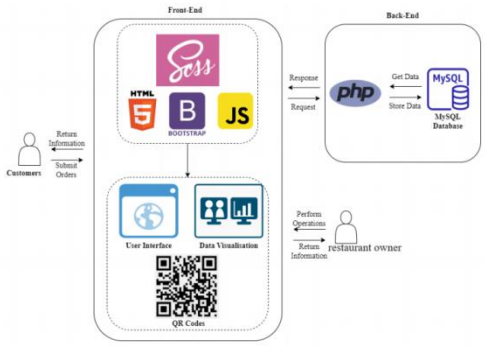
As restaurateurs try to keep their businesses running at full speed and solve limited staff issues, there is only one solution: process automation. This paper aims to design a food ordering system that covers the benefits of automating the ordering process using the QR code and provides visualized insightful information based on the business data. Customers place the food order by scanning the QR code on the restaurant table, and it is then brought to a digital version of the restaurant's menu and make orders.

4. PROPOSED SYSTEM:

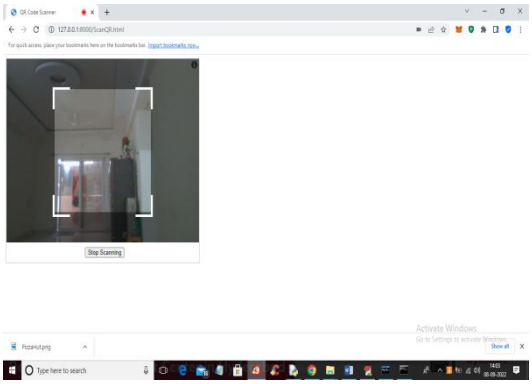
The proposed system automates customer bills after the order, and it helps reduce human error in calculating bills. On the other hand, the proposed system has an admin interface that enables restaurant owners to modify the restaurant's menu, generate QR codes for the new dining table, receive orders from customers, and get automated bills generated by customers' orders. Most importantly, the system allows restaurant owners to have an insightful view of their business data such as visualized charts on sales data, highlighted crucial data and so on to improve decision-making and forecasting future demand using data analysis techniques which are not populated in similar systems currently.

Machine learning has become a huge trend nowadays, it is also included to in the proposed system to forecast more valuable data for the business.

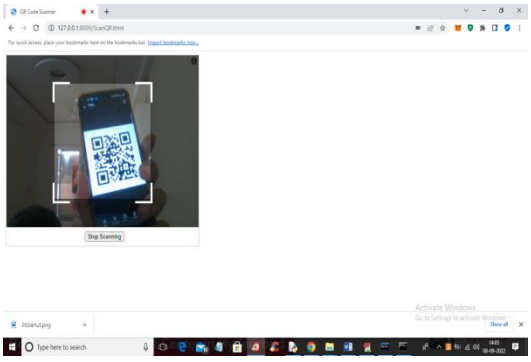
5. System Architecture



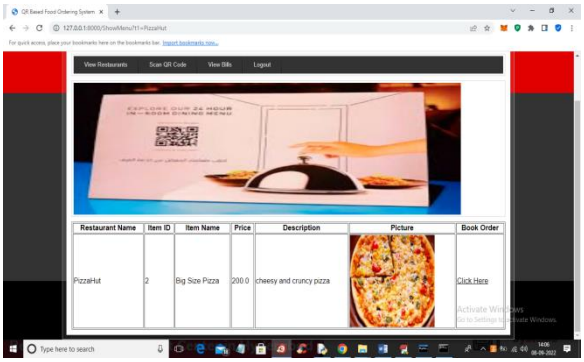
6. Result



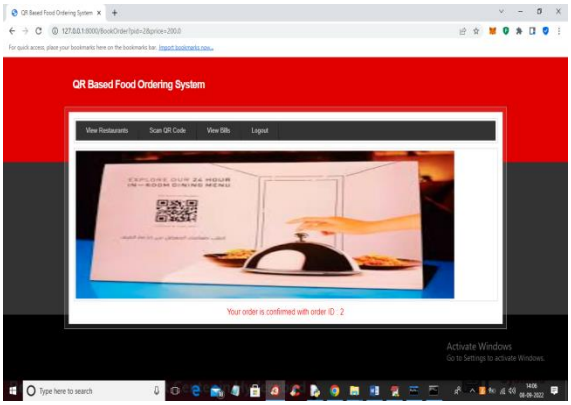
In above screen QR code reader is ready and now show QR code to get menu details like below screen



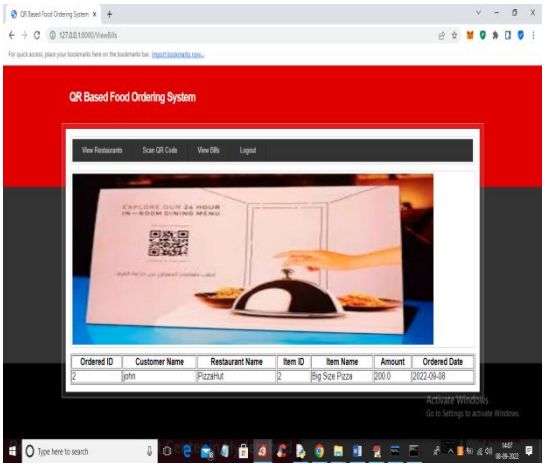
In above screen showing QR code from mobile and once code RECOGNIZED then will get below MENU details



In above screen customer got menu details and now click on 'Click Here' link to BOOK ORDER and get below output



In above screen in red colour text we can see order is confirmed with ordered ID 2 and now click on 'View Bills' to view bill details



In above screen customer can view his order and bill details.Similarly you can add any number of restaurant owner, menus and customers and can SCAN QR code and make booking

7.Conclusion:

This project was a typically web site based. The aim of the project was to help the cafeteria owner to improve the efficiency of managing ,meanwhile, help the customer to purchase food in different platform easily, By now, the core function of this project has been implemented. The owner and employes in the cafeteria can manage food and handle order and so on. On the public page, customer can view information and purchase food. This system will help in reducing the waiting time of customer in the cafeteria. It will also reduce the manual service given by servicing staff, and also eliminating the human made mistakes. Also, the customer can order food from the website platform. Developing the web made it possible to learn and practice the whole process of website framework

8. References:

[1]. T. S. Baba tope, "Towards the digitalization of Restaurant Business Process for Food Ordering in Nigeria Private University: The Design Perspective. A Study of Awojide, Simon, I. M. Omogbhemhe, O. S.Awe, and Samuel Adegboyega University Edo State Nigeria," Int. J. Sci. Res. Publ., vol. 8, no. 5, pp.46–54, 2022.

[2]. O. I. Mike and A. Simon, "Towards the Digitalization of Hotel Business in Nigeria:The Design perspective," vol. 8, no. 2, pp. 1175–1178,2023.

[3]. Adithya. R., A. Singh, S. Pathan, and V. Kanade, "Online Food Ordering System," Int.J.Comput.Appl., vol. 180, no. 6, pp. 22–24, 2023.

[4]. Varsha Chavan, Priya Jadhav, Snehal Korade, Priyanka Teli,Im

[5]. Implementing Customizable Online Food Ordering System Using Web BasedApplication", International Journal of Innovative Science, Engineering Technology (IJISET) 2015.

[6]. Patel, Mayur kumar,"Online Food Order System for Restaurants" (2015). Technical Library. Paper 219

[7]. Ashwini Bankar, Mamta Mahajan Touch-based Digital Ordering System on Android", IOSR Journal of Electrical and Electronics Engineering (IOSR- JEEE)

[8]. Sowndarya H K, Abhinaya R, Prathiba B Survey on intelligent food menu ordering system in International Research Journal of Engineering and Technology (IRJET)

[9]. N. M. Z. Hashim, N. A. Ali, A. S. Jaafar , N.R. Mohamad, L. Salahuddin, N. A. Ishak Smart Ordering System via Bluetooth" International Journal of ComputerTrends and Technology (IJCTT) – volume 4 Issue 7– Month 2013.

AUTHOR

Ms.Radha Rani Akula Assistant Professor
Department of CSE Malla Reddy Engineering College for Women, Hyderabad.
akularr786@gmail.com