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A Survey on Application of QR Code Technology to Automate Ordering System in Movie

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ABSTRACT: The paper introduces a web-based application (Food ordering system in movie theatres) that generally consists of the QR code scanner and display the food products after scanning the QR Code. This new technique provides convenience for the customers. This system increases the takeaway of foods than visitors. Therefore, this system enhances the speed and standardization of taking the order from the customer. It provides a better communication platform. The user's details are noted electronically. With a food menu online you can easily track the orders, maintain customer's database and improve your food delivery service. The techniques introduced in this paper can be used in mobile are Implementing Customizable Online Food Ordering System Using Web Based Application [1] and Using QR codes [2]. The system has been designed to give online order of food order from mobile and choose payment as online payment or cash on delivery. As told before with the use of QR code we going to display the menu of food products. We also provide the online payment process.

KEYWORDS: Web-based Application, QR Code Scanning, Online Payment.

I. INTRODUCTION

Online food ordering is a process of ordering food from a movie theatre through internet. A customer will search for a favourite food to buy, usually filtered via type of different combo and choose from available items and choose delivery. This online food ordering system intends different types of forms with different of food varieties provides to user to buy online. Online food ordering system user can give order from theatre and pay cash on delivery. With the use of QR code we are going to buy food products.

A QR code is type of barcode that can hold more information that the familiar kind scanned at checkout around the country. The "QR" stands for the "quick response" a reference to the speed at which the large amounts of information they contain can be decoded by scanner. They were invented in 1994 in Japan and initially used for tracking shipping. As the code can be easily decoded by the camera of a BlackBerry, iPhone or other Smartphone's, this technology is increasingly accessible to the average person. As the electronic techniques are advance computing machines have been miniaturized and smart phones are developed with powerful processors and large memories. Nowadays, various services become available on smart phones. In this paper we are introducing the QR Code. The main use of the QR Code Scanner is to scan the unique code and place the order of food products for the food menu; we are also looking for online ticket booking[1]

II. LITERATURE SURVEY

Market research is defined as "function that links the consumer, customer, and public to the marketer through information – information used to identify and define market opportunities and problems to generate, refine and evaluate marketing actions to monitor marketing performance, and to improve understanding of marketing process. Marketing research specifies information required to address their issue, design the method for collecting information, manages and implements the data collection process, analyses, and communicates the finding and their implications".



1. This digital ordering system uses two different approaches: 1) Customers app 2) Counter side. The customer's app is made exclusively for customers and is identified by the seat number on which the QR code is registered[3]. 2. Now these days, a QR code is applied in different application streams related to marketing, security, academics etc. and gain popularity at a really high. Day by day more people are getting aware of this technology and use it accordingly. The popularity of QR code grows rapidly with the growth of Smartphone users and thus the QR code is rapidly arriving at high levels of acceptance worldwide[1].

3. This paper presents an integration of wireless communication technologies and web services technologies to realize a wireless food ordering system. In this system, it implements wired and wireless data access to the servers and food ordering functions through both desktop PCs and mobile devices such as PDAs over a wired/wireless integrated local area network. To ensure the security of the system, the secure web service architecture and some security strategies to ensure mobile communication security are discussed. Web services based wireless applications on mobile devices provide a means of convenience, improving efficiency and accuracy for theaters by saving time, reducing human errors, etc[2].

Objective: To explore the application value of QR code electronic manuals in operating theater equipment management and training.

III. METHODS

The control group adopted the traditional management mode. Training was carried out before each device was put into use in the department. A unified operation process and a paper card manual for common faults were formulated and hung next to each device. For the observation group, the electronic manuals generated by the QR code were pasted on the operating theater equipment for management and training. The management and training effect was compared between the two groups.

IV. RESULTS

Using QR code electronic manuals in operating theater equipment management and training greatly improved equipment search time and accuracy, and the training effect was better than that of the control group. The operation ability of the specialist group and the nurses with different seniority on the equipment were significantly improved, the utilization rate of equipment and the satisfaction of doctors were improved, and the cooperation between doctors and nurses became better. The use of electronic manuals reduced the mess or loss of traditional paper card manuals. They were quick and convenient to produce at low cost, which reduced labor and time-management costs, and improved the learning enthusiasm of medical staff.

V. CONCLUSION

This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using HTML & CSS usage, database connection using ASP.Net, and management of database using SQL Server. The purpose of this project was to develop a webpage/Application for Online food ordering systems in movie theatres. We learned how to test different features of a project also we learned ASP.Net language in detail. Overall we have created website in focus of future food ordering system, this website will be helpful to many people.

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