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Hotel Menu Scan with QR Code

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Abstract

Food ordering are very important service for a restaurant. This is a service that offered by a waiter to a customer who came to the restaurant. There are some problems that maybe to face by using the traditional food ordering. Problems that occur are misunderstanding between the waiter and the customer when taking the order. Besides, the customer need to wait for a moment for a waiter to come to take the order. The current system are using the traditional way which using a piece of paper and menu paper to take an order from the customers. Therefore, Food Ordering System using QR Code technology is a real time ordering system to manage the order process for the restaurant. Therefore, the food ordering system using QR Code technology is an alternative to solve that problem. The system use smartphone as a platform because nowadays smartphone is a necessary for everyone. The customers need to scan the QR Code on the menu paper that provided by the restaurant. By using this system also, the customer can confirm the ordered item. Besides, the staff of the restaurant also can manage the menu and view order list.

1. INTRODUCTION

The "Hotel Menu scan with QR code" has been developed to override the problems prevailing in the practicing manual system. As we know now a days tourism is increasing so side by side hoteling is also increasing As all the services of hotels are best and chief so to make all the services online we have developed this system for the hotels.

With the advent of COVID-19, the hotel and hospitality industry has been forced to adapt to the rapid changes in hygiene and safety of hotel. Hotels and Hotels not only have to adopt evolving industry standards for cleanliness. They have to let their hotel know that they are taking the best of measures.

This application possibly reduces the error of serving wrong orders to the hotel. No formal knowledge is required to use this software. It is user-friendly. The main objective of this application is an efficient management of details of Food item, cart, category, order, customer. It manages all the information securely and the project is totally built on the administrator's end.

2. MODULES OF THE SYSTEM

Hotel Menu Scan With Qr Code in two modules–

i.Admin
ii.User

Admin Features:

1. Add Category
2. Add Hotel Information
3. Add Product
4. Admin Signup
5. Buy product
6. Feedback

User :

1. Buy Product
2. Payment

3. LITERATURE SURVEY

proposed a system using microcontroller, Wi-Fi, LCD. A smart phone or a tablet will kept at each table which connect the menu of the restaurant. Smartphone, microcontroller are connected to the Wi-Fi and when a customer wants to order, firstly he should connect the tablet on his table to the Wi-Fi of the restaurant by keeping the power supply, then a buzzer will ring and LCD will stop blinking by indicating that some smart phone is connected to the hotspot that implies some table is occupied. So the admin can make the menu list available to that particular tablet by knowing that some customer will take place of that table. Bhaskar Kumar Mishra et.al [2] (2015) proposed a frame work using Android, Bluetooth and GSM. Where an android application is installed on every table as it is a one – time investment. It contains two apps, where the manager, cashier and chef can login through restaurant app to manage the restaurant, to take bill, and to make food respectively. The manger can also able to see the list of tables that are empty and filled to direct the new customers to empty table. Where a customer will login through customer app, where menus are displayed and he can also send request to send the menus depend on his taste, and send order without waiting for waiters. The order was sent to kitchen department, manager [15] and cashier to perform their respective activities and finally the cashier will take bill to customer and he will pay bill to

manager after giving feed-back.

4. METHODOLOGY

The tools used for physical and database design are: Unified Modeling Language (UML) diagrams for description of the class diagram, and Entity-Relationship Diagrams (ERD) used for the design of the database table structures. The description covers the logical and database Structural designs as well as its database normalization. The entire web-based program is designed and developed with object-oriented codes, mainly with server side PHP scripts.

The application will be developed in the form of a database, using a Database Management System (DBMS). The decision to implement the application in the form of a database was informed by the consideration that various types of data would need to be held, and a database approach would be more appropriate due to the advantages that the database file system has over other forms of file systems. A database management system permits organizations to efficiently create databases for will be used to create the database tables and Personal Home Page Pre-Processor (PHP), a Scripting language to communicate with and manipulate the database. The primary features of the PHP are that it is object-oriented and a cross platform language. By cross platform, it means that the programs can run across several platforms such as Microsoft Windows, Apple Macintosh, Linux, and so on.

5. IMPLEMENTATION

The four levels that the analyst uses for the quality assurance are:

1. TESTING
2. VERIFICATION
3. VALIDATION
4. CERTIFICATION

Quality assurance is review of the software product and relates documents for completeness, correctness, reliability and maintainability. It includes assurance that the system needs the specification and requirements for its indented use and performances.

System testing is expensive but critical process that can take as fifty percent of the budget for program development. The common view of testing held by user that it is performed to prove that there are no errors in program. However, as indicated alone can not prove that software is free and clear of errors.

Therefore the most useful and practical approach is with the understanding that testing is a process of executing a program with the explicit intension of finding errors, that is program fails.

The tester, who may be analyst, programmer of specialists, trained in software. Testing is actually trying to make program failsafe. A successful test then is one that fined an error. Analyst knows that an effective program does not guarantee the system reliability. Reliability is the design issue. Therefore reliability must be designed into system.

Like testing, verification is also indented to find errors; executing program in simulated environment performs it.

Validation prefers the process using software in live environment in order to find errors. The feedback from validation phase generally produces changes in software to deal with errors and failures and may still need changes.

i.used to get the job done.

6. CONCLUSION

The project report on EXAM SCHEDULAR benefits in the following manner:

- There is no necessity to maintain so many records, files and register.
- The manual work is reduced.
- Increase accuracy and efficiency in calculation.
- In this system, computer make your job very easy than manual system.
- The system gives all information timely and up to date.
- The system gives accurate result through reports.
- The system is user friendly

REFERENCES

- https://www.google.com/search?q=HOTEL+MENU+SCAN+WITH+QR+CODE+PROJECT+REFRENCES&sca_esv=d1b44ec8e4eb040b&ei=-rgAaIzkI9741e8PiLqmsA0&ved=0ahUKEwiMyba00N6MAxVefPUHHQidCdYQ4dUDCBA&uact=5&oq=HOTEL+MENU+SCAN+WITH+QR+CODE+PROJECT+REFRENCES&gs_lp=Egxnd3Mtd2l6LXNlcnAiLkhPVEVMIE1FTlUgU0NBTiBXSVRIIFFSIENPREUgUFJPSkVD
- VCBSRUZSRU5DRVMyChAAGLADGNYEGEcyChAAGLADGNYEGEcyChAAGLADGNYEGEcyChAAGLADGNYEGEcyChAAGLADGNYEGEcyChAAGLADGNYEGEcyChAAGLADGNYEGEdIwj9Q2R5YjTxwA3gAkAEAmAEAoAEAqgEAuAEDyAEA-AEBmAIDoAIYmAMA4gMFEgExIECIBgGQBgiSBwEzoAcAsgcAuAcA&sclient=gws-wiz-serp