

Cafe's Management Using QR Code

Varad Sudhakar Ahir¹, Omkar Ganesh Taksal², Gajendra Vijaysingh Thakur³, A.K. Kudlikar⁴

^{1,2,3}students, Department of Computer Engineering, CSMSS College of polytechnic, Kanchanwadi, Paitan road, Chhatrapati Sambhaji Nagar, Maharashtra, India.

⁴Lecturer, Department of Computer Engineering, CSMSS College of polytechnic, Kanchanwadi, Paitan road, Chhatrapati Sambhaji Nagar, Maharashtra, India.

How to cite this paper:

Varad Sudhakar Ahir¹, Omkar Ganesh Taksal², Gajendra Vijaysingh Thakur³, A.K. Kudlikar⁴, 'Cafe's Management Using QR Code', IJIRE-V4I02-490-491.

Copyright © 2023 by author(s) and
5th Dimension Research Publication.
This work is licensed under the Creative
Commons Attribution International License
(CC BY 4.0).

<http://creativecommons.org/licenses/by/4.0/>

Abstract: As in this project we are providing QR code for placing the order. In this website we have different types of menus that you can order easily. By ordering snacks by QR code, customers will consume their time. As in this website, menu will be available for the customers after scanning. At the time of ordering the foods, price with their description will be shown below. In this website, the customer will provide their information to cafe, which is mandatory. Cafe owners can engender a website or an app or both that will not only make the authoritatively mandating process more facile for customers but additionally streamline cafe operations. Having an QR code injunctively authorizing system can make day-to-day operations more efficient for a cafe. When a customer places an order by QR code, they take their time to the browse and menu get habituated with integrate-on deals and offers that your cafe must be offering.

I. INTRODUCTION

The adoption of wireless technology & emergence of mobile contrivances has led to automation in the Café's industry. Business in Café's industry can be improved with the combination of wireless and mobile technologies. The competition in Café's business has increased with the advancements in food ordering techniques. In earlier days, victuals authoritatively mandating was a consummately manual process where a waiter used to note down orders from the customers utilizing pen and paper, take the orders to the kitchen, bring the victuals and make the bill. Albeit this system is simple it requires Extensive investment in purchase and storage of paper, astronomically immense manpower and withal is prone to human errors and more preponderant time consumption. The Major Objective is to help Café's solve these problems by implementing a low-cost solution to increasing customer and Café's staff satisfaction. The idea is creating a menu using QR Code technology. QR Code tags will be affixed to the Café's menu with a specifically-designed QR Code reader App to the menu. Customers can use the QR Code reader to read by hovering over it. Since QR Code are so low profile (virtually as minuscule as a sticker!), Café's can keep the current design/layout of their menus and integrate our incipient technology with low switching costs.

II. LITERATURE SURVEY

The web application is developed in Angular, with Node.js, Express.js and Mongo DB Database. The QR codes are unique for every table at the Café's. The user can scan the QR code with their devices to launch the web application. As soon as the code is scanned, it registers the table number and launches the application. Starting page is the home page. Here the home page contains 3 main components: user login, admin login and kitchen admin login. The user can create an account (needed only once) and then login to access the menu, cart etc.

III. OBJECTIVES

A. Reduces the time:

In this website all work is done by computerizing system. Customer can order food online, reserved table for dinning, menu is also display online and billing is also online. Cafe's website is used to save time, manage cafe quickly in less time. we manage the cafe more effectively and easily by online ordering, billing and inventory control.

B. User- friendly:

This website is easy to use, easy reservation feedback form for implements in menu and cafe. It is a best processing of payment and we also learn some better things from customers reviews or feedback.

C. Save paper work:

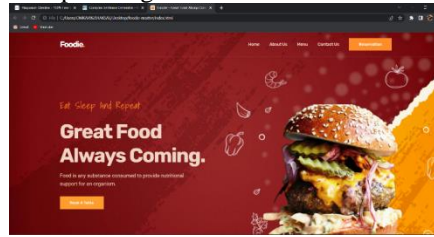
This website saves the paper work, in this website there is no need of papers because all work is done by computerizing system and users all data and login information is stored in database. All things are based on internet and all developed countries system and website is goes with internet.

D. Safe and secure data:

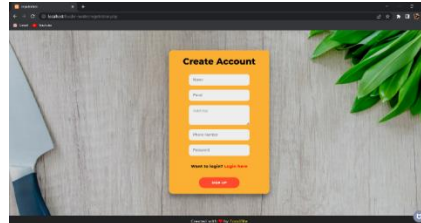
This website is safe for customer, we secure the customer information and all the data in database. We provide data security to payments cards and cyber security provides to user data or information.

IV.SCREENSHOTS OF THE PROJECT

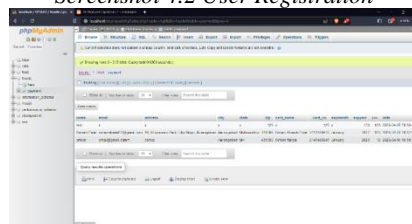
This are some screenshots of our project. Home page and registration form and database of registration form and menu is also showing day wise. When user fill up the registration form then their information is stored in database.



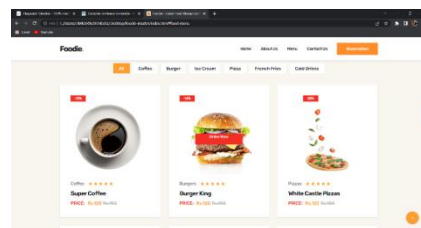
Screenshot 4.1 Home Page



Screenshot 4.2 User Registration



Screenshot 4.3 User Registration Database



Screenshot 4.4 Menu

V.SCOPE OF THE MICRO PROJECT

In this current situation, online website improves the cafe's more effectively and easily. It is used at any time and it is also excluding paper works. This website reduces the human efforts and also saves the time of customer and cafe's manager. When used this website admin gets an instant result and improve cafe very easily. Improve cafe easily it is the scope of our project which will keep them coming back and ordered food again and again. Cafe's website is error free, and simple or easy to used.

Scope:

- It is efficient in any time and it does not consume time and reduces paperwork.
- Moreover storing and retrieving information is quickly and easy It reduces time

VI.ACKNOWLEDGMENTS

It gives us a great pleasure to submit this project report on “Café’s Management System using QR code”. We would relish to express our thanks to the people who have availed us most throughout our project. We would like to express our sincere thanks to the principal of CSMSS College of Polytechnic Dr. Ganesh B. Dongre for being with us as a motivator. We are thankful to the H.O.D. of Computer Engineering Department, Mrs.R.S.Phople for his kind support. We are profuse of gratitude to our Project Guide Mrs. A. K. Kudlikar for nonstop support and continuous motivation for the project. Her avail made us possible to consummate our project with all precise information. A special thanks of our peregrinates to our friends who availed us in consummating the project, where they all exchanged their own fascinating conceptions. Conclusively, we would relish to thank God who made all things possible for us till the terminus.

References

- <http://www.ijssred.com/>.
- <http://www.jetir.org/>.
- <http://www.researchgate.net/>.