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Food Order Web Application

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ABSTRACT

Food order web application has revolutionized the way customers interact with restaurants by allowing them to place orders and make transactions. Through this web-based platforms, customers can browse menus, customize orders, and make payments seamlessly.
Here the costumer will order the food and by using the restaurant QR code, if the table are free then automatically it will reserve the table for the customer otherwise customer will added to waiting list and customer has to select the food, after that they will pay the amount based on the food which they have ordered for the table.

Keywords: Add Food info, Add Tables, Scan Qr code, choose Food for order, Waiting list, Payment.

I.INTRODUCTION

In recent years, the advent of Food order web application has completely transformed the dynamics of customer interactions with restaurants. With the introduction of innovative web-based platforms, customers now have the power to effortlessly place their orders and carry out transactions with just a few clicks or taps.
The payment can be done through the customer's credit card, debit card. It is possible for everyone to order any goods from anywhere the internet and have the goods delivered at his/her home. All types made be internet le transaction ads to the economic of digital cash.

II.LITERATURE SURVEY

S. NO	Journal Type with year	Authors	Title	Outcomes
1	2011 IEEE Symposium on Wireless Technology and Applications (ISWTA), September 25-28	Noor Azah Samsudin, Shamsul Kamal Ahmad Khalid	A Customizable Wireless Food Ordering System With Real-Time Customer Feedback.	I apologize for any confusion, but as an AI language model, I don't have access to the full text of specific research papers.
2	coginfocom 2013 4th IEEE International Conference on Cognitive Infocommunications December 2–5, 2013	Sakari Pieska, Markus Liuska	Intelligent Restaurant System Smart Menu That Digital Technology	I can provide general information based on the title and the knowledge I have been trained on.

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III.EXISTING SYSTEM

Existing methods of Food order web application that allow customers to browse menus, select items, customize orders, and make payments electronically. QR codes are often used to enable touch less interactions at the restaurant.

ADVANTAGES:

Increased convenience for customers: It involves making easier for customers to interact with a business,can be achieved through various strategiesincluding offering online shopping ,efficient inventory management.
Enhanced order accuracy: To implement a combination of strategies including robust inventory management, automation ,clear communication and quality checks.
Potential for greater revenue for restuarants: Implementing effective marketing strategies (like email and social media),offering delivery and online delivery focusing on customer loyalty and retention.

DISADVANTAGES:

Technological barriers: Some individuals, particularly older adults or those with limited access to technology, may face challenges in using mobile applications or websites for ordering.
Lack of personal interaction: Contactless ordering eliminates the face-to-face interaction with restaurant staff, which some customers may prefer for personalized service or special requests.
Limited sensory experience: Customers miss out on the sensory aspects of dining, such as smelling the food or visually inspecting it before ordering.

IV.PROPOSED SYSTEM

The proposed method for Food order web application involves websites specifically designed for ordering meals. Customers can browse menus, select their desired items, customize orders, and make payments electronically through secure platforms. Additionally, options like QR codes for the restaurant when they will scan the code it will show the restaurant details and it will show the tables and food menu.

ADVANTAGES:

Safety: It minimizes physical contact between customers and restaurant staff, reducing the risk of transmission of pathogens.
Convenience: Customers can place orders from the comfort of their own homes or while on the go, eliminating the need to visit the restaurant physically.
Time-saving: Contactless ordering streamlines the process, allowing customers to quickly browse menus, customize orders, and make payments electronically, saving time for both customers and restaurants.

ARCHITECTURE

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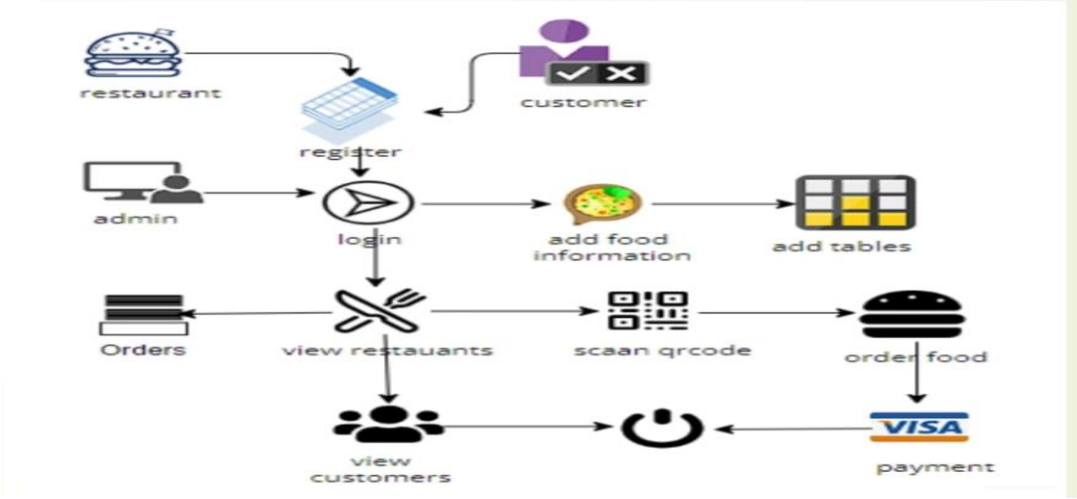

MODULES:

Registration

Registration: Restaurant person has to register first with details like First Name, Last Name, Email, Password, Confirm password, Restaurant Name.
Login: Restaurant will Login using Email, Password.
Add Food Info: Restaurant will add dishes and its price in Add Food info (Dish name, price).
Add Table's: Restaurant will add dishes and count of members for table in Add Tables (Members count, Tables count).
View Order's: Restaurant will view the all Table orders.
View Payments: Restaurant will view the all Table orders.
Logout: Finally Logout.
Customer:
Registration: Customer will register with details like First Name, Last Name, Email, password, confirm password.
Login :Login with details (Email ,Password)
View Restaurants : Customer view all the restaurants by selecting the restaurant QR code will be displayed ,user has to scan the QR code
Enter Members: After that Input field will be displayed .In that customer has to give members count then table will be reserved randomly.
Waiting List: Incase table is not available that request will be added in waiting list and he can order food for the table. When it comes to his time that table will be registered for the next person
Food Order: Customer can order the food for that table.
Payment : Customer will pay the bill for the ordered food by giving his card details
Logout: Finally logout.

V.CONCLUSION

The online food ordering web application system for restuarants is that they offer a multitude pf benefits, from improved customer engagement to flexible payment options.This system is essential for modern dining establishments striving to thrive in a competitive market.

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