Real-time Food Ordering Web Application

[1]Utkarsh Patil [2]Onkar Shinde, [3]Rutik Gawai, [4]Abhishek Salve
[1] Computer Engineering, SPPU, India.
[2] Computer Engineering, SPPU, India.

[3] Computer Engineering, SPPU, India.
[4] Computer Engineering, SPPU, India.

Abstract: *In this document we are presenting the requirements specification for an online ordering and delivering system designed mainly for use in the food delivery industry. Our system will allow restaurants to fast and efficiently manage an online menu which end users can have a look and use to place orders of their choice with just a few clicks. The system then pass on these orders to restaurant employees through an easy to navigate graphical user interface for efficient processing Described within the document is an overall model of the system, configuration of functional and non-functional requirements, and a detailed walk through of the user interface. Finally, the document presents an account of the growth of the system along with anticipated maintenance*

Keywords: Web Technology, Food, Restaurant, Recommendations, order

1. INTRODUCTION

An online food ordering system is elaborate as web application that allow restaurants and food vendors to get and orders placed everywhere the online. Online ordering systems normally comprise of two main elements. One may be a website or mobile application for hungry customers or users to look at the restaurant's menu and make an internet order. One is admin who manage the interface of the restaurants to require on and manage the customer's orders. Online food ordering system is fastest growing platform on the net to supply food services directly reception. Objective is to make the system is for ordering the food in an exceedingly convenient way.

To get the services masterfully the users of the system provide different features. Mostly restaurant users are one who are shifted to new residencies and this could be considered as a motivation to our system. There may be considered because the increasing use of smart phones when the shoppers use the applying to be used of fine. The system is going to be designed to avoid users doing fatal errors where users can change their own profile also where users can track their food items through GPS and where users can provide feedback and proposals to Restaurant’s service providers.

There’s a requirement for the system thanks to lack of a full fledge application which will fulfill the customer requirements by providing him food from restaurants service. For the scholars studying in several cities, our system is very helpful. The flexibility to the Customers/Users to order from likewise Restaurants is provided by our system. Recommendations to the shoppers is additionally provided from the restaurants owners which are updated daily. there'll be no limitation on the number of orders the customer wants by ordering food from our system.

As a Startup for the developers the system application is to make use in many ways. Real time customers feedback and ratings are provided by our system with the comments to the restaurant owner. It gives appropriate feedbacks to users, so if there's any error happened, then there'll be a feedback dialog toward users. The payment is made online or pay-on-delivery system. The user’s details are maintained confidential because it maintains a separate account for every user.

2.LITERATURE SURVEY

[1] To talk about the idea of online food delivery applications. To identify the advantages and disadvantages of the online food delivery applications from the point of view of restaurants. To analyze the advantages and disadvantages of the online food delivery apps from the view point of the customers. For research work two questionnaire were drafted one for the consumers who eat outside or order online

via online ordering applications and another for food spots who are affiliated with any online food delivery systems. Most numbers of doubts were based on advantages and disadvantages connected to online food ordering websites or applications. From both points they have indicate their point of view. Despite the fact there is not much work done on this latest present theory which is undamaged in India. But on global point of view literature review has been done which covers explores papers, blogs, magazines, newspaper.

[2] To find out whether mobile app had an impact on time and type of food ordered online.

Descriptive study was used in our research. Questionnaire was used to collect data. 250 samples were collected through simple random sampling method for infinite population. Customers who order food online using mobile applications in the North Chennai were the respondents.

There is no significant association between Mobile app used and type of food ordered. There is a significant association between Mobile app used and type of food ordered. Chi-square test was used to find out the association between the mobile app used and type of food ordered. The food applications are less used in village areas. The illiterate people are not aware of how to use the applications.

[3] Online Food Delivery systems and their effect on dependability.

Knowing the economic, social, and environmental maintainability effects of online FD. While our learning point to acknowledge the effect of online FD worldwide, the choice to cover both Chinese and English language artefact was made because the online FD sector is most evolved in China, and therefore, online FD in China has gained the most studious recognition to date. Indeed, the results of our search showed that most of the literature on online FD reported on FD within a Chinese context. Required an in-depth and interdisciplinary review of recent literature. With regards to environmental sustainability, the online FD industry should consider working with both packaging producers and the restaurant sector to explore options for the development and use of more sustainable packaging materials. The fact that the online FD sector is more developed in China meant that a large proportion of the referenced articles included herein are concerned with online FD in China.

[4] In this system user orders the food by using android operating system-based touchpad. the restaurant owner's working desk, and the kitchen. User firstly orders the food from the touchscreen looking at different union of food which is additionally convey to the kitchen for satisfy the order and the same is moved on for paying at every user's device. The food spot with robotic food ordering platform will be issued with a easy to use touchpad, display screen in the making place, and software for finishing the process at the backend. For this system there will be a system admin who will have the authority to select the menu with their latest triumph prices. The system admin can enter anytime in the system by a secured system credentials to change the menu contents by putting or pulling out an item or replace its price.

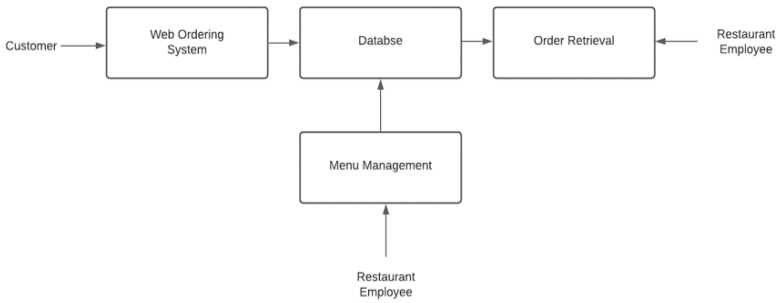
[5] With the online food ordering method, food is ordered online and delivered to the customer. This is made achievable via the use of online payment system. The payment can be done through the customer's credit card, debit card. So, in this project we plot a platform which will gives users to go online and order for their food.

A ample of wireless systems like WOS, i-menu, FIWOS were designed when new technologies and take aside being present to self-operate the food ordering procedure. All the above platforms were PDA-based. Multi-touch mechanization is a promoted build to the existing touchpad mechanization where customer has rights to rule and conduct functioning simultaneously on the electronic visual screens using multiple fingers inputs.

[6] This research work focuses to plot and make a wireless food ordering system in the restaurant. The project presents deep on the technical functionality of the Wireless Ordering System (WOS) including systems architecture. As mobile devices become compact, cost effective, well connected, they are adapting another the way people approach and work with data. The comfort and heavy performance given by mobile devices such as PDAs, has inspire many industries to look over the welfare of using them. Originally, the PDA was calculated to be an electronic version of a "personal arranger"; however, with the introduction of more powerful CPUs, operating systems and memory, today's PDAs are being customized for great variety of applications.

2. IMPLEMENTATION DETAILS

This web application is a bundle of advantage from different perspective. As this online application permit the end customers to Sign Up to the application online, select the food of their own choice from the menu list, and place order online. Also, the billing can be done via online type or cash on delivery rely the user's preference and ease. The choosing made by the users will be available to the hotel reception or to the person controlling work task



In our system mainly consist of 2 major entity, customer, hotel admin

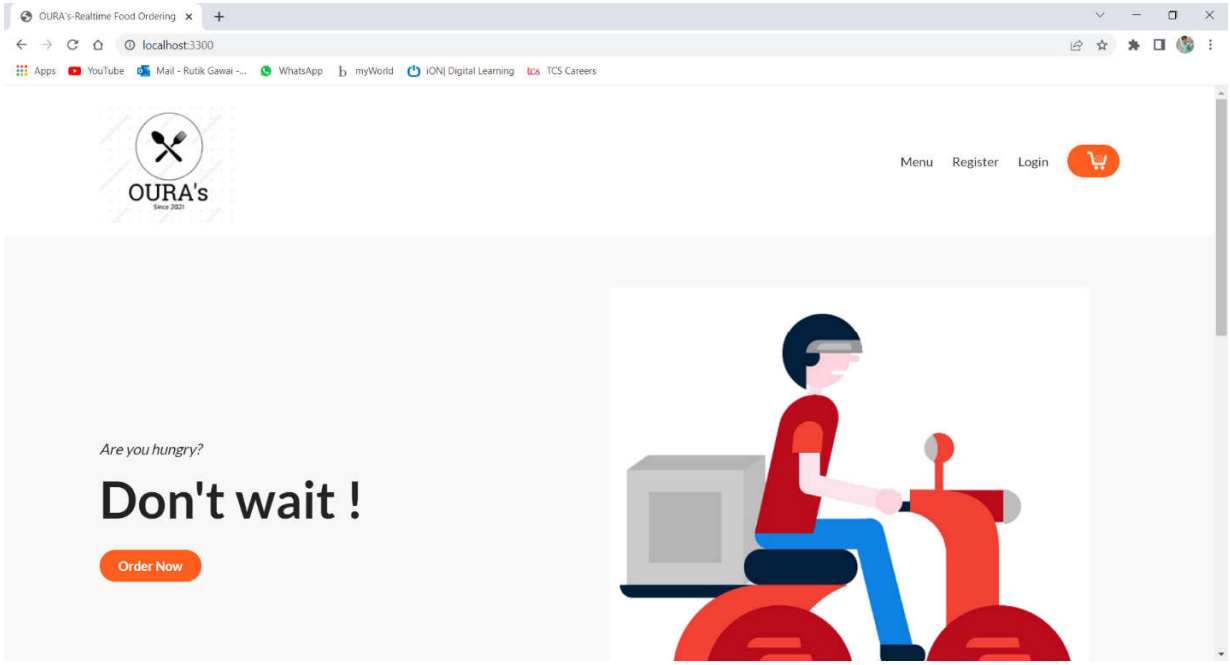
Customer:

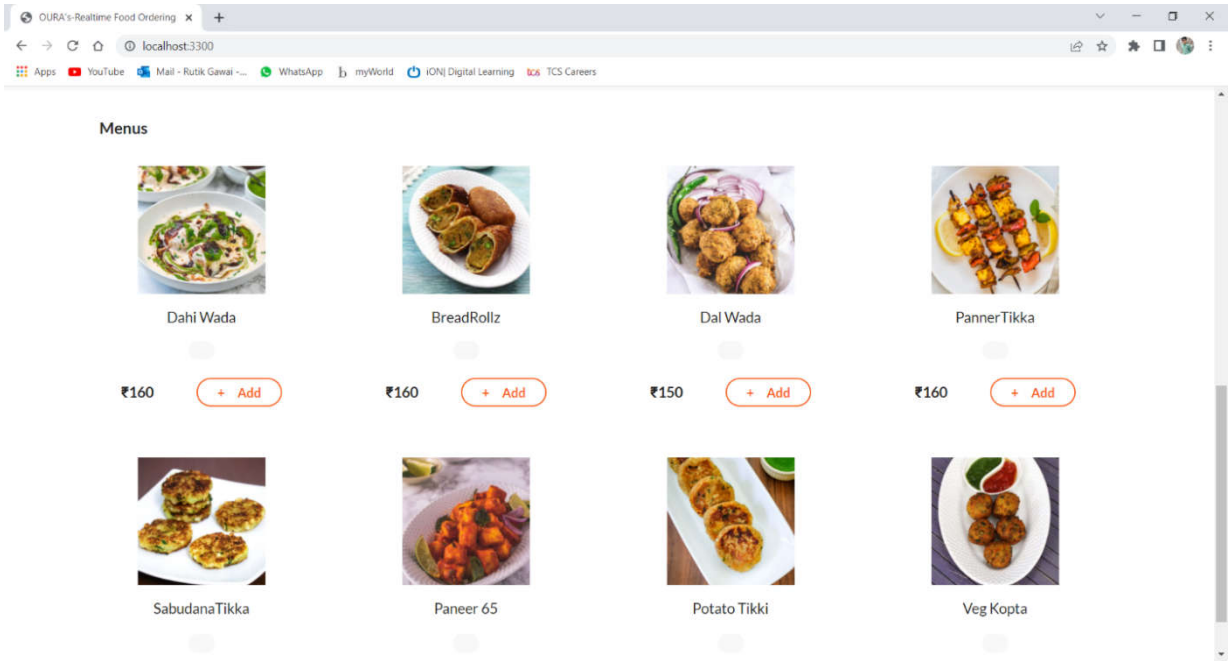
Customer interacts with the Web Ordering module which has all the features like Ordering and exploring food the web ordering system then connects with the database we have in which the datasets are stored. Customer can easily access the web app by using login or by registering of first-time user.

Hotel Admin:

Admin or managers manages all orders that received through web portal of our system and instructed to staff to prepared the food. The Order retrieval and Menu Management modules managed by Restaurant employees and managers update in those modules. Order retrieval module retrieves order from customer and check if it is available in the Menu or not. If it is available then the order is placed.

SCREENSHOTS OF PROJECT


OURA's-Realtime Food Ordering
localhost:3300
Apps YouTube Mail - Rutik Gawai -... WhatsApp myWorld iON| Digital Learning TCS Careers
OURA's
Since 2021
Menu Register Login
Are you hungry?
Don't wait !
Order Now


OURA's-Realtime Food Ordering
localhost:3300
Apps YouTube Mail - Rutik Gawai -... WhatsApp myWorld iON| Digital Learning TCS Careers
Menus
Dahi Wada
₹160
+ Add
BreadRollz
₹160
+ Add
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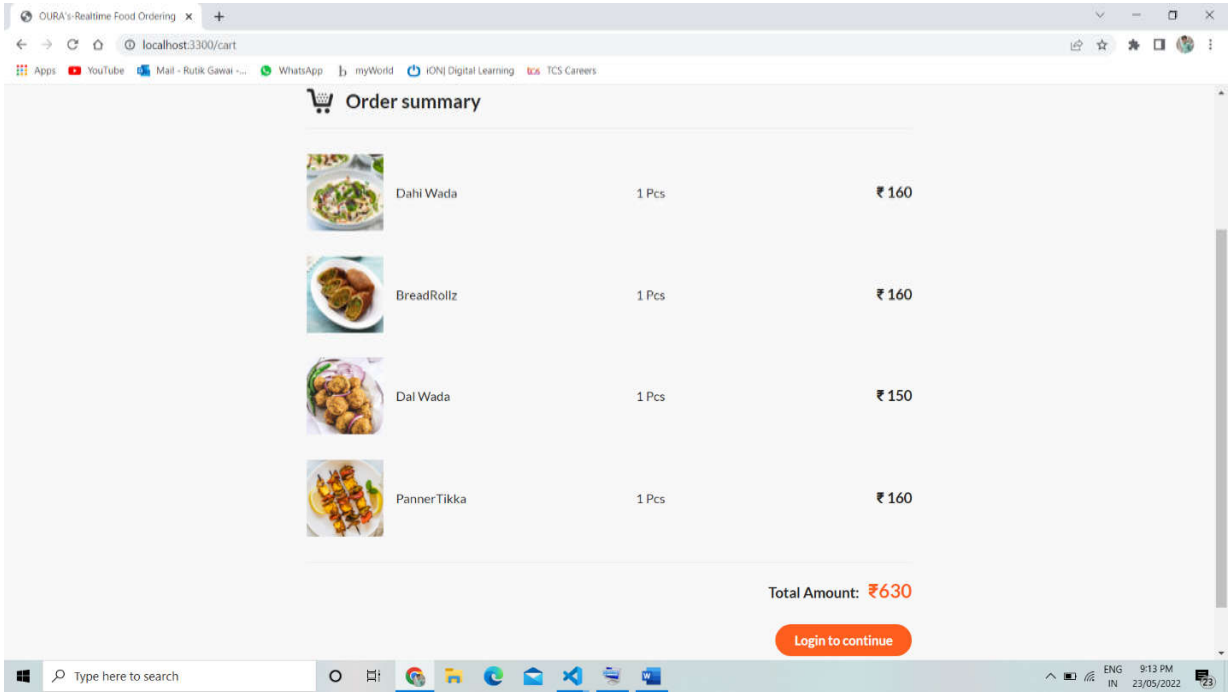
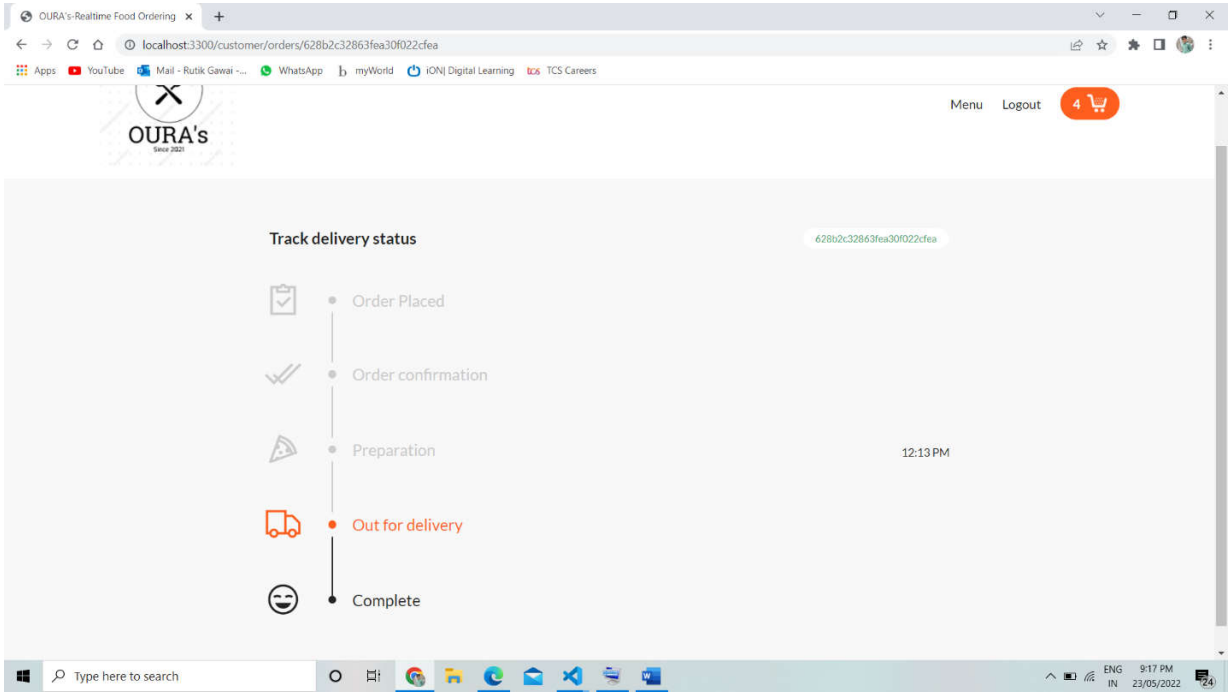
Paneer 65
Potato Tikki
Veg Kopta


OURA's-Realtime Food Ordering
localhost:3300/cart
Order summary
Dahi Wada 1 Pcs ₹160
BreadRollz 1 Pcs ₹160
Dal Wada 1 Pcs ₹150
PannerTikka 1 Pcs ₹160
Total Amount: ₹630
Login to continue


OURA's-Realtime Food Ordering
localhost:3300/customer/orders/628b2c32863fea30f022cfea
OURA's
Menu
Logout
4
Track delivery status
628b2c32863fea30f022cfea
Order Placed
Order confirmation
Preparation
12:13 PM
Out for delivery
Complete

CONCLUSION AND FUTURE SCOPE

With online ordering on deck, you will improve your customer experience by making the process of placing orders very much easier. It will show that you care for your customer's time. Online ordering will amplify your productivity by terminating the inefficient process of taking orders.

The Scope of the project (web -based application) are as follows: Real time Food Ordering app can sale Food product, preferred brands, kitchen needs, essential restaurant supplies and more, through this online, one stop for buying a meal. It provides you with a convenient way to order a food anywhere. This app makes easy for user to buy product from nearby restaurants with easy steps and restaurants can get easy order.

The system obtains a notification after receiving the order, confirmation to inventory system for product monitoring. The application will be possessing's all the databases of the users that order via it.

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