

Vendor Meal Service Web Application

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Abstract

Online food ordering system is website or application designed primarily for using the food delivery industry. This system allows mess and small scale food industries to increase scope of business by reducing the labor costs involve. In this system vendor feed menu as per need, typically in a mess food order process involve several steps, for ordering the food where firstly customer looks up for menu and then order is given to vendor for preparation and delivery of food. The proposed system here is 'Vendor Module' by which the we are trying to aggregate the mess out there at particular location area make them operate on line and provide them a common 'web application' platform. Just to increase the customer base for a particular mess, and increase in total revenue provides flexibility to customers to choose in between variety of food from number of mess available on line.

Keywords: *On line food, food delivery, mess vendor, homemade food.*

INTRODUCTION

Problem Statement:

India in on line food market is yet in developing stage, Famous and big restaurants are listed and registered on line, partnering with on line food order and delivery giants like zomato, food panda, swiggy etc. But when it comes to the small-scale and house-hold businesses like mess (inn), the picture is different,

especially in rural areas, mess operates completely off line! The person there literally doesn't have a better option than to reach at particular mess and have a lunch or dinner there. So he/she would just have to compromise with the choices available. Second thing about mess, yeah, they aren't amused with their business. Just the reach at customer and in expected revenue, they are finding their limitations

there. And proposed system overcomes these challenges.

The system that we are going to propose is not completely isolated and unique. Rather it's just a platform that sounds similar to already established food delivery applications like Swiggy, Uber Eats, food panda etc. So the Crux of the idea is what you say can come from these market players. Some of the results are interesting; we can see how the Internet availability and accessibility have changed the fortune of the food industry. The country like India not long ago had a serious concerns over the area called as on line food delivery. But this domain was always had a huge potential in it. Only need was to rediscover the possibilities, opportunities in it. And that we can say has been going on, so is the on line food market getting benefited. Though other countries have already set a standard in this, in India we can still make our own on line food market, which are ultimately a giant one considering the population, middle class, availability, connectivity and speed of Internet. The On line food market is about to see an exponential growth from now on. Many research reports from India as well as agency outside it showcase this trend. The foodies of course are the hot spot in the advertisement, planning and

strategy making by the different applications. The general tendency of a user or customer in this scenario of online food ordering is, he or she wants Healthy and hygienist food, and later on other properties are like Quick delivery, Price, and overall experience.

Considering these things many food applications that are available has been extensively doing their campaigning, marketing and advertising on Electronic, prints as well as social media platforms. At the back-end the companies in this segment are trying to get along more and more vendors, restaurants and other organizations with them to provide better choices, fasten up the delivery process and place themselves stronger against their rivals. The vendors specially have got benefited in this whole chain.

The sales have been increasing adequately due to their partnerships with these food giants. Apart from their regular sales and earning the platform has given up new earnings and many have just now been operating as an online only, can say this is the more fruitful area and probably seems to have better future and sustainability. These applications are having up eye catching user interface, so even if someone gets into the web-page via phone or pc

randomly, it's the overall interface that owes and ask the user to at least have a look! Well not just that the first time user after signing up, supposed to get lucrative offers, coupon and cash backs. That may be the business strategy of these players. But it's somewhat benefiting them greatly in the sense that they are getting new customer base every day, adding up their customers tally increasing up the total revenue.

ARCHITECTURE DESIGN

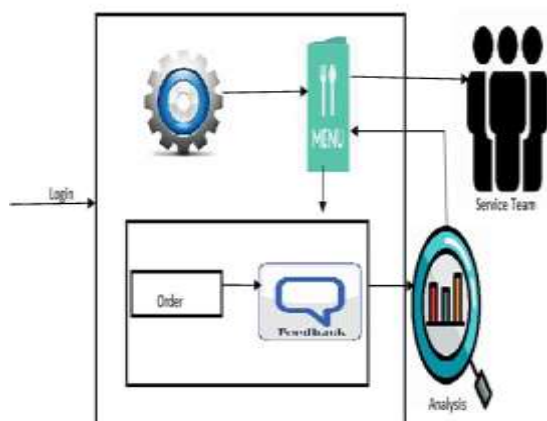


Figure:-1

Architecture:

The proposed system has following 3 main components:

1) Customer 2) Vendor 3) Delivery

Customer

Front end of application, Manages the customer activities like Registration, Login, Profile updation, Adding food in cart, placing up the orders, Making payment, or in case canceling the placed

orders. Just diving in a bit, one of the concerns in developing the application was making the user interface for customer simple, fluid and easy to understand at the same time taking some issues also into account like security of application form front end point of view. The following attributes are taken up on screen from customer while registration:- Name (Full), Address (Building No, Street, Area, Pin Code, City), Other options such as age, gender can be there as well. While the mandatory things like creating user ID and password makes the next part that is login process. Alternative login options could be Google+, Facebook etc. Some strict rules have been there in JavaScript trying to make the registration and login process secured while keeping up all the validations.

Just we are scrutinizing the information provided by the customer in best possible way in order to avoid fraud and duplicate accounts, which could be a bottle neck if not well addressed.

Once the account created, one may feel a necessity to change something, say address, email, phone number, that is things which are volatile and change depends upon situations. Rewrite the new update in a textbox and once all done

clicking up on save button would lead up to the permanent change in customer account in the backend database in customer table.

After login customer is supposed to either check his previous order status (if already placed order), checking up transaction history etc or as a new he or she is going to place a new order. To do that he or she may click up on the nearby mess button just to look how many mess are there in his or her locality via smart phone (Android App) or website through a pc, tab.

The system is supposed to showcase list of all the available mess at that current time at that current location. Generally say in 1 Km radius say if particular mess owner has intentionally kept his or her mess on (On Button on-Mess owner/Mess Administrator dashboard), his or her mess is supposed to be there on the list called as Available Mess nearby. So the later process comes down then, after selecting say particular mess just naming here for better understanding say 'Ganesh Mess' The available food items listed on below that mess name. User is supposed to scroll down the attributes he or she can see up while doing this are food image, name of that dish also pricing about it as well. This

is again in two brackets you can say one is Lunch and other is dinner. So ultimately the customers are bound by these factors, whether that dish falls in Lunch section or dinner section.

Let's say a customer xyz has selected a rice plate then, the description about it is supposed to be the attributes like weight, types of vegetables, daal, quantity of roti, chapati or puri etc, dessert if included. This is nothing but a full description of the dish that customer has selected at first glance. After this customer may want to select the quantity of dish say two three, by quantity attribute. Next is about the option that pops up saying on board or delivery? That's nothing but confirmation of whether a customer wants to have a meal at mess or he/ she wants a delivery of that order on their stated address.

In both cases we are providing the customers flexible payment options at the same time reliable as well. One could pay the amount by online mode say using upi, third party wallets, debit or credit cards etc. Or if that's not possible then at mess after the meal (on board) he or she is supposed to pay the bill. Same is the case in the delivery case; the customer may pay the bill to the delivery personal. If in case the delivery is not possible and payment

has been done already by the customer, then refund amount is supposed to be in the customer's bank account in 7 days.

Vendor:-

The back-end is again having a front end in its own. A vendor or mess owner has to be in numbers as well in order to make this idea successful. Same procedure of registration and login is followed in this as well. Apart from personal details, some of the necessary details are required in case of vendor registration and login. The profile updation is somewhat same as in case of customer. The mess name, mess address bank account details etc.

Though from user interface point of view one may not need that kind of eye-catching look and feel at the vendor end as we have it in customer end, some critical function and options are mandatory here at this so called back end such as filling up the menus, and viewing the orders that received.

Checking the stats showing orders date wise, weekly or monthly, transactions and wallet balance etc. Some arrangement like on off button for mess owner is there to keep his mess available on the site or not. Getting into the flow, after registration and login of the vendor activity of viewing up

the received order is supposed to be performed by the vendor. In that again the key term is status of order. Whether the order is processing, completed or canceled.

Depending upon this the vendor is supposed to take action. Say he or she got a new order to his or her mess today at 8 pm. Apart from these type of order onboard or delivery, quantity, Id , price and lunch or dinner attribute as well. So he or she could give an order to the kitchen and prepare that food, pack it well. And make up ready for delivery process. This is a general scenario before those also adding menus in cart and conforming and saving them comes.

Here doing this thing, we made an agreement that some fixed items for example, Roti, rice, daal, and other items are added up as default by Administrator. So there could be 100 of such items just a case. And to make menus from it is the main task mess owner has to perform. Say from the list of items he or she just has to select, drag and drop items one by one in order to make a particular menu say non veg thaali for example, Which is to be added on the menu list with or without demo picture depicting that dish say in other words best description possible of that dish by a picture or image.

Delivery:-

The system's last component in a chain, the person appointed for delivery is itself having an Android application made only for delivery purpose. Having the orders with him with id attribute on every packed order on a vehicle he is supposed to deliver the orders according to the customers address. In case order is not able to get accomplished, person is supposed to inform not delivered to the mess owner via app.

CONCLUSION

Here we proposed a web application for vendors, small scale hotel, and restaurant owners by which overall process of online food ordering and delivery could be simplified from both customer and vendor point of view.

REFERENCES

- I. Kirti Bhandge, Tejas Shinde, Dheeraj Ingale, Neeraj Solanki, Reshma Totare, A Proposed System for Touchpad Based Food Ordering System Using Android Application, International Journal of Advanced Research in Computer Science Technology (IJARCST 2015).

- II. Varsha Chavan, Priya Jadhav, Snehal Korade, Priyanka Teli, Implementing Customizable Online Food Ordering System Using Web Based Application, International Journal of Innovative Science, Engineering Technology(IJSET) 2015.
- III. Resham Shinde, Priyanka Thakare, Neha Dhomne, Sushmita Sarkar, Design and Implementation of Digital dining in Restaurants using Android, International Journal of Advance Research in Computer Science and Management Studies 2014
- IV. Khairunnisa K., Ayob J., Mohd. Helmy A. Wahab, M. Erdi Ayob, M.Izwan Ayob, M. Afif Ayob, the Application of Wireless Food Ordering System MASAUM Journal of Computing 2009.

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