Shubham bansal , Aman Kaushik , Shivam Sharma

Research Article

Implementing Online Food management System

Shubham bansal [a] , Aman Kaushik [b], Shivam Sharma [c]

[a, b,c] Galgotias university Greater Noida , india

Abstract

What is a restaurant, it is a place where , Everyone goes to enjoy themselves, but in the modern era of the world these have changed a lot ,now usually there are apps and web based system that provides the services .In this changing era of the world we need to adapt to the new upcoming demands and to cope with that we have to build such a relation in form of always medium which can help and make our customers with us. In accordance to that web based food management system has been introduced which not only help in dealing with clients but also deals with main owner side by using technology as an agent to carry that forward

In the development side world of this modern era the whole world has come to a side where he is actually a means to become a major part in the industry, to use the user or client as a way of interface is our most important aspect of building this project

Our focus is to make a project in which from ordering to delivering at home, a customer could do various task in just a minutes of time ,the customer has to find his own uniqueness and can create his day of food without any delay or error in the work, our work will not only help the customers but also will be helpful to the owner side as he could have records, multiple storage area and other kind of the material, so to conclude our project focus on overall development of the food to client industry

Keywords: delay, multiple storage, accuracy, client industry

1. Introduction

Online food management is elaborated as a medium or we can say a software that acts as a medium in between the client and the dealer by use of technology int this field and making them using all the resources that are there in the area of the client based with the user and to create a environment in between the two users of there area such that they make handshake and help each other for each other's benefit.

The service of online food delivery to the merchant to the client is important in this aspect that the user in this time wants to save time , if he go to restaurant he has to park his vehicle then he goes in , search for menu by asking the waiter but in our system what he has to do he has to just open our website all the list of items will be shown in front of him and then he has to choose from that and simply has to click on it and make them into the cart and create his overall payment process and than his or her overall process of that would be completed without any further delay

Some of the features that may be rquired in the case of user and client can be listed as follows:-

1 The system should be such that it could be used by   each and every view of opening that.

2 The menu of that dealer that is restaurant items are easily visible on the screen of the user.

3 Once our client has made the order , it has to be received immediately.

4 Our system ask the user whether he want to opt for cash or any online payment option.

5 On successful completion of the process the process is shown and visible of the client screen.

The full process goes like this, once our website is seen by any of the client that wants our help or food then he opens our website , then he is listed with many of the services that we serve. On choosing his dish or full menu of ours the client is directed to the payment of the item that he has selected to buy for himself and then he goes to the cart menu .

Here the database in the backend process is used to note our customers choice and a db format is usually stored behind in the backend side of our process , now the client has displayed many options that where he want to deliver the food or we can say the location and then is delivered

2. Traditionally Managements:-

Food Ordering Existing Before

COMPLETE SERVICE RESTAURANT:- Previously there were restaurants where when any customer go then he was asked to sit down on table and then he ask for waiter , then the waiter use to come on his table and explore and note down his orders that what he basically want ,he used to tell that person the order of himself , the waiter use to note down that and give them time that it will be served in this amount of time period ,then after that time period the food use to come at the table of the client and they have their meal, after completing this whole process the client go to manager corner and he tell the bill and they pay it and customer go out of that restaurant.

OWN SERVICE RESTAURANT:- This type of service used to be followed in that restaurants where there were less staff as compared to ordinary restaurant ,in this type of service what used to be happen was that the client or customer use to see the menu photo and order that ,the notification of completion of the order come to them and then they used to go their and collect their order and after that pay it down.

COMPUTED WAY ORDERING PROCESS:- Computed   way of ordering was that the client used to give the details to the manager that what he needs to eat then he was given a number or id or token that we can say , the number are visible on a giant screen and then when his number is used to be visible the customer goes and used to collect his order .

SMART PERSONAL USED SERVICES With every time to time changing technology it has been seen an immense increase in way of delivering the food and way of providing the access to our client so that our clients can use any kind of the necessary technological aspect of the service that can be required in that process

Using of mobile web based services and applications the client and the main head have not only become a hand to hand contact based but they also have established a bonding through mobile gadgets , api and other things that have change the use of them more efficiently and widely by changing the scope of them to be utilized in an accessible manner

The gadgets can include use of the web based protocols that are immensely there in our field of work, they are mainly related to use of the domains of our work,t he use of framework css and script in the form of designs can enhance our productivity and can create the main use of the full power of technological aspect of the the changing technological demand ,the smart feature have immensified the way of using these methods and creating time hindrance to be reduced in the least level.

#SMART TO SMART TECHNOLOGY:- Smart to smart technology is basically the use of the newly modified way of thinking in the process. Using of big giantic screens in the restaurants to showcase the overall process of the system has emerged in a huge way in the field .The technological enhancement has create to provide the life of the journal to the life of the aspirant in heathy and a computed view of creating and providing acess to the overall system required been to demonstrate the work process and use of the screens ,sound to create an animated use of them not only provide a uniqueness but also creates a good sound of use of technogical aspect there to provide a nice way of thinking to the collective use of technological field of view and hence the technological view is emerging

Technical way to handle all these way of emerging field of technical mind and creating a way such that our main motto of enhancing the process using the technical domains is fulfilled and utilized in an efficient and effective manner and to work on the process such that there is no possibilities of bugs and problems in creating following the runtime environment of the following process and the domains are established and made in the main manner.

3. Work Related Architecture
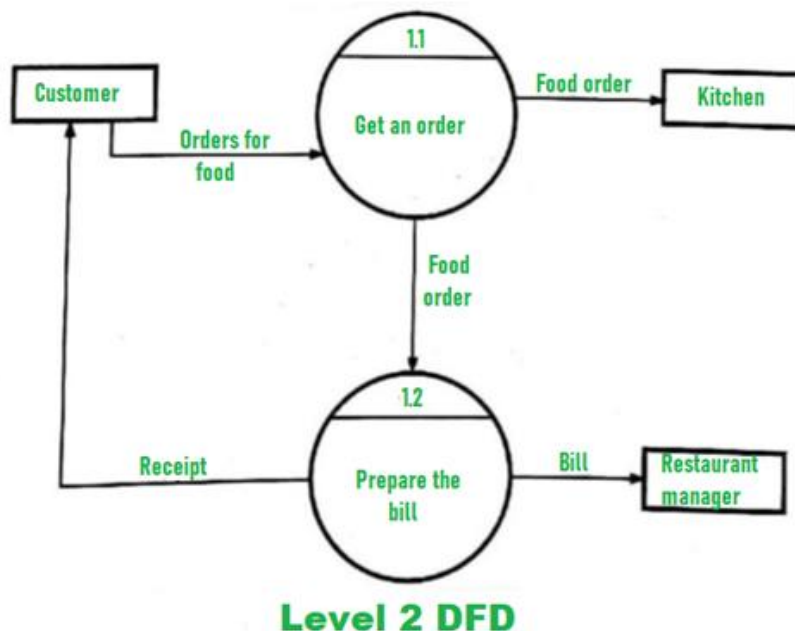
Overall finds of our process are as under:

• Here we used to mix wireless and android to make the automation in our online food process

• Use of maximize way of technology and minimizing the redundancy and repatedness situated there.

• We provide to use of our customer thinking and providing the use of that and provide feedback.

• Use of shubham management of the food system to reduce the time taking initiative of the customer

• Immense working and use of the technological gadgets such as mobiles and other mediums in the process to boost that.

• Classifying our process to be defined as the user to client basic and friendly usage of the medium provider of the client server connection

• Using hand to hand feedback basics of the client that what is the demand in the industry to develop
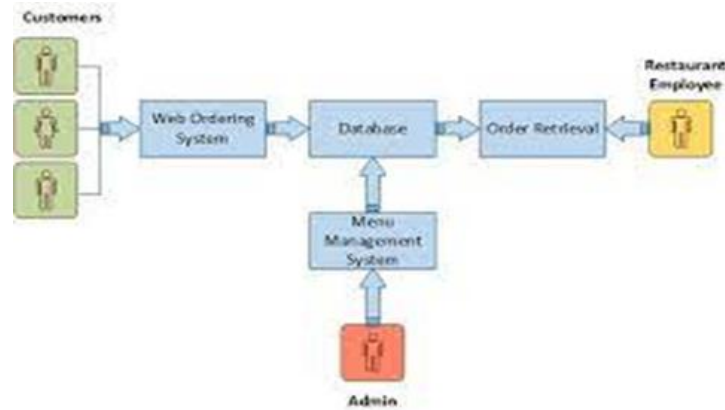
Architecture of our System:-

System architecture is the step to step explanation about the runtime of our system process and design to the basics to the mature level of that

Overall process design as we can show and list the figure below ,the overall process in this can include the overall working where there is kitchen with manager and the waiters at that end and in the user side there can be tablets and other terminologies and we can easily be adaptable to that

• Our orders from tablets are made using android and web application process

• We provide the client and the customer to store the data in their respective domains where they need not to provide the details every time whenever they log in or log out.

• ☐here we have provided a head database which is known as central database where the main client can change the info as per his or her requirement and do that.

• The use of wireless and emerging technology is used and is used for giving an up to date process.

Level 2 DFD

4. Overall Design of Our System:-

Food is the overall requirement in this process ,it works as the order is made by the customer and it is received by the manager then that manager uses that information and provide that to the in charge chefs ,they use that information and get ready with that.

They receive the work to be done as displayed on a giant screen situated inside the kitchen hall where the overall process is going on

Working of our whole process is undergone as follows and with the main consent to the main client and user as:-

• We have designed and made the good use of users by initiating tablet view of restaurant.

• By displaying and enhancing the overall menu and complete knowledge of the full work the system is used and enhanced and created using the whole process and connection is made between.

• For efficient work and no hindrance of the food process we have enabled wifi system in the roof of the main usage and web api works here as a usage of the main outcome process and development of the main use of that, this whole process goes and goes and this is done with the good use of the frameworks with the connectivity

Table Of Manager:-

•   They are mainly used by the managers in their domains

•   The manager has the right to control the overall right of that process

•   He is free to kept and make the changes in any of the menu and the following aspect

•   He can control any change in the price of any item and he can undo or change the cost of any of the item mentioned in his cart

1)   DISPLAY OF KITCHEN SIDE:-

•   These are placed in the kitches where the chefs can see the client orders displaying in front of them

•   Full list of the complete order is seen on the display of the chefs area.

•   These screens are usually very large so that the cooks can see that carefully without creating any conflict in the order

•   Cooks present there receive notification when they got the signal form the chefs that order has been made
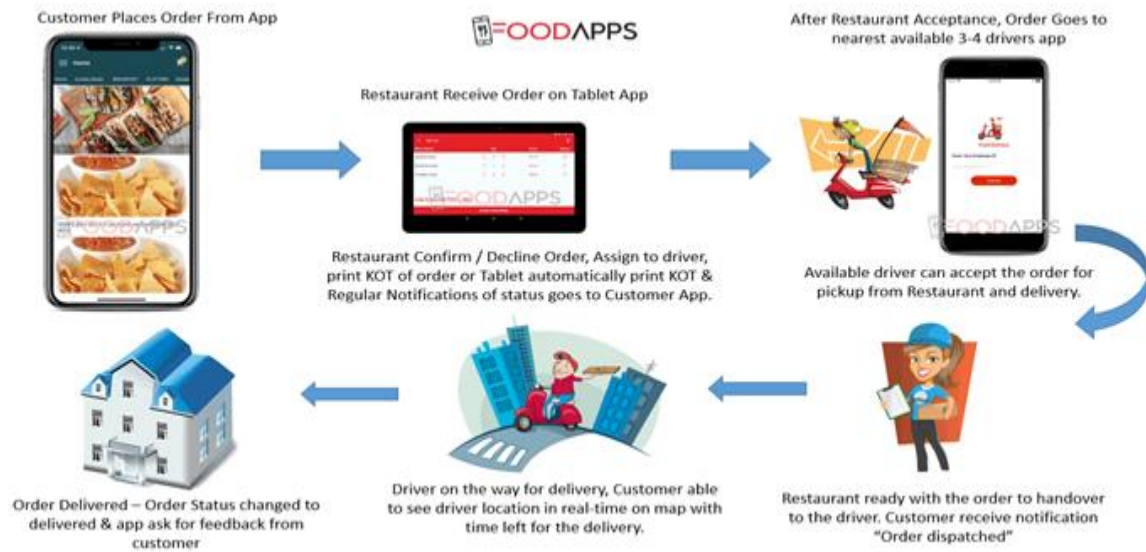
2)   SMS OFFERING PROCESS:-

When any customer comes in the restaurant then he is asked to share his contact number so that it could be saved in the database, and in the time of holiday discounts or offers he could receive the offer as a sms

3)   PROCESS OF MENU APPRECIATION -

We appreciate our customers if they want us to manipulate our facility or some other options to be avail from us, we ask their important suggestions and finding the suitable one try to implement them

Shubham bansal , Aman Kaushik , Shivam Sharma

CUSTOMER FEEDBACK-

We have the facility in which we ask our customers to give us their important feed back to us

B Technology Used

Here Are The Main Technologies Which We Have Used In This Process Of Development As Follows:-

1. HTML/CSS/ javascript in designing process and backend process
2. Visual Studio 2020 for developing web applications
3. SQL 2019 SERVER As a COLLECTION OF COMPLETE DATABASE SYSYTEM

5. Overall Conclusion:-

• The System which we have try to develop is in that frame of mind so that we can add whenever any advancement has come to market and we are always up to date.

• Our process has been developed keeping in mind to completely overtake all the previous versions that are outdated and are not attractively used by customers.

• FOOD is the thing that a customer wants so we have tried to complish all the basic requirements that a customer could have.

Acknowledgement

References

[1] Study on Tam: Analysis of Customer Attitudes in Online Food Ordering System - ScienceDirect

[2] Consumer demand for online food retailing: is it really a supply side issue? | Emerald Insight

[3] https://doi.org/10.1016/j.jaci.2009.04.004

[4] https://doi.org/10.1016/j.appet.2017.11.093

[5] https://doi.org/10.1108/0959055021044532