ONLINE FOOD ORDERING SYSTEM

A MINI PROJECT REPORT

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Under the guidance of
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COLLEGE OF ENGINEERING AND TECHNOLOGY

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COLLEGE OF ENGINEERING & TECHNOLOGY
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BONAFIDE CERTIFICATE

Certified that this project report **"ONLINE FOOD ORDERING SYSTEM "** is the bonafide work of **" URVI HIRANI[RA2011026010293] and VARSHA S [RA2011026010286]"** of III Year/VI Sem B.tech(CSE) who carried out the mini project work under my supervision for the course 18CSC303J- Database Management systems in SRM Institute of Science and Technology during the academic year 2022-2023(Even sem).

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ABSTRACT

The purpose of Online Food Ordering System is to automate the existing manual system by the help of computerized equipments and full-fledged computer software. fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Online Food Ordering System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

INTRODUCTION

The online food ordering system sets up a food menu online and customers can easily place the order as per they like. Also with a food menu, online customers can easily track the
orders. The management maintains customers database, and improve food delivery service. The Restaurant management systems motivates us to develop the system. There are various
facilities provided so that the users of the system will get service effectively. Also, the system considers Restaurants as well as Mess facility to the customers. Again, the idea comes
that mostly mess users are person who are shifted for various reason in new cities. So, they are interrelated. Increasing use of smart phones is also considered as a motivation, so that any
users of this system get all service on single click. Another motivation can be considered as the system will be designed to avoid users doing fatal errors, users can change their own
profile, users can track their food items through GPS, users can provide feedback and recommendations and can give ratings, it will give appropriate feedbacks to Restaurants /
Mess service providers. Due to lack of a full fledge application that can fulfill the customer requirements by providing him food from restaurants as well as from mess service, there is a need for the system. This proposed system will be used by the people who keep shifting from cities to cites. As well as, it will be useful for the students studying in different cities.
The proposed system will provide the flexibility to the Customers/Users to order from either Restaurants or Mess. It will also provide Recommendations to the customers from the
restaurants/mess owners uploaded on a daily basis. In the proposed system, there will be no limitation on the amount of order the customer wants. Also, same application can be used as a Startup Business for the developers. It will provide real time customers feedback and ratings along with the comments to the restaurants/mess owner. It gives appropriate feedbacks
to users, so if there is any error happened, then there will be a feedback dialog toward users.

The proposed system is designed to avoid users doing fatal errors and inappropriate action. Scope of proposed system is justifiable because in large amount peoples are shifting to
different cities so wide range of people can make a use of proposed system. The system/interface will take input from the user. The major attributes that will give input to the
dataset are: name, address, email-Id, mobile no, other personal related values, etc. The output will include user/customer's Order, Bill, Feedback and Payment options. Initially there will
be 10 to 12 restaurants and mess services considered inside 2 to 3 areas.
The reason why to choose this project is the idea behind project that is to solve problem of people which they are facing when they shift to different city. The system is not only for user but also for provider who provides food service. This system is for making efficient communication between consumer and producer of the food system which will then
leads to the ideal and effective system.

PROBLEM STATEMENT

The online food ordering system sets up a food menu online and customers can easily place the order as per they like. Also, the online customers can easily track their orders management maintains customer's database, and improve food delivery service.

This system also provides a feedback system in which user can rate the food items. Also, the proposed system can recommend mess based on the ratings given by the user. The payment can be made online or cash or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an ID and a password.

OBJECTIVES

The main objective of the Project on Online Food Ordering System is to manage the details of Food Item Category, Customer, Order, Confirm Order. It manages all the
information about Food Item Payment, Confirm Order. Food llem. The projects totally
built at administrative end and thus only the administrator is guaranteed the access: The
purpose of the project is to build an application program to reduce the manual work for
managing the Food Item, Category, Payment, Customer. It tracks all the details about
the Customer Order: Confirm Order.
Functionalities provided by Online Food Ordering System are as follows:

- Provides the searching facilities based on various factors. Such as Food Hem Customer, Order, Confirm Order
- Online Food Ordering System also manage the Payment details online for Order details. Confirm Order details, Food Item
- It tracks all the information of Category, Payment, Order
- Manage the information of Category
- Shows the information and description of the Food Item, Customer
- To increase efficiency of managing the Food hem, Category
- It deals with monitoring the information and transactions of Order

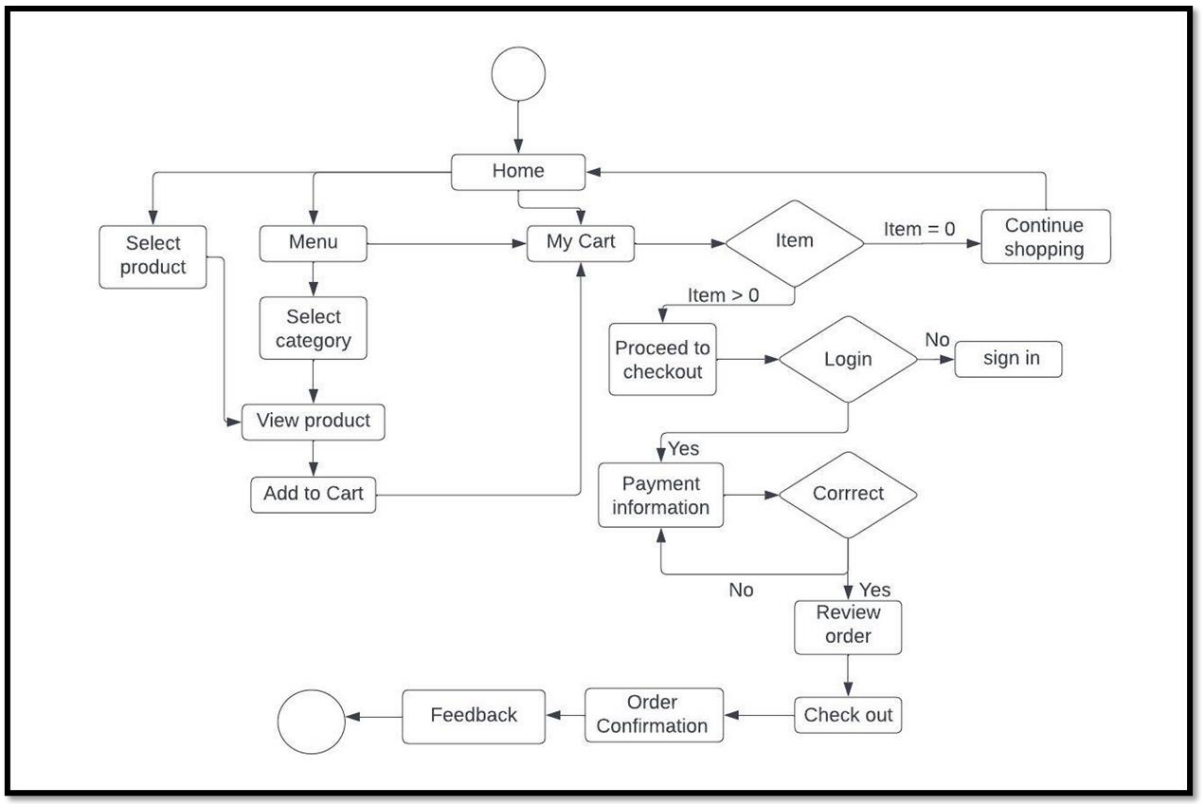
- Manage the information of Food Item
- Editing, adding and updating of Records is improved which results in proper resource management of Food Item data.
- Manage the information of Order
- Integration of all records of Confirm Order.

SCOPE OF PROJECT

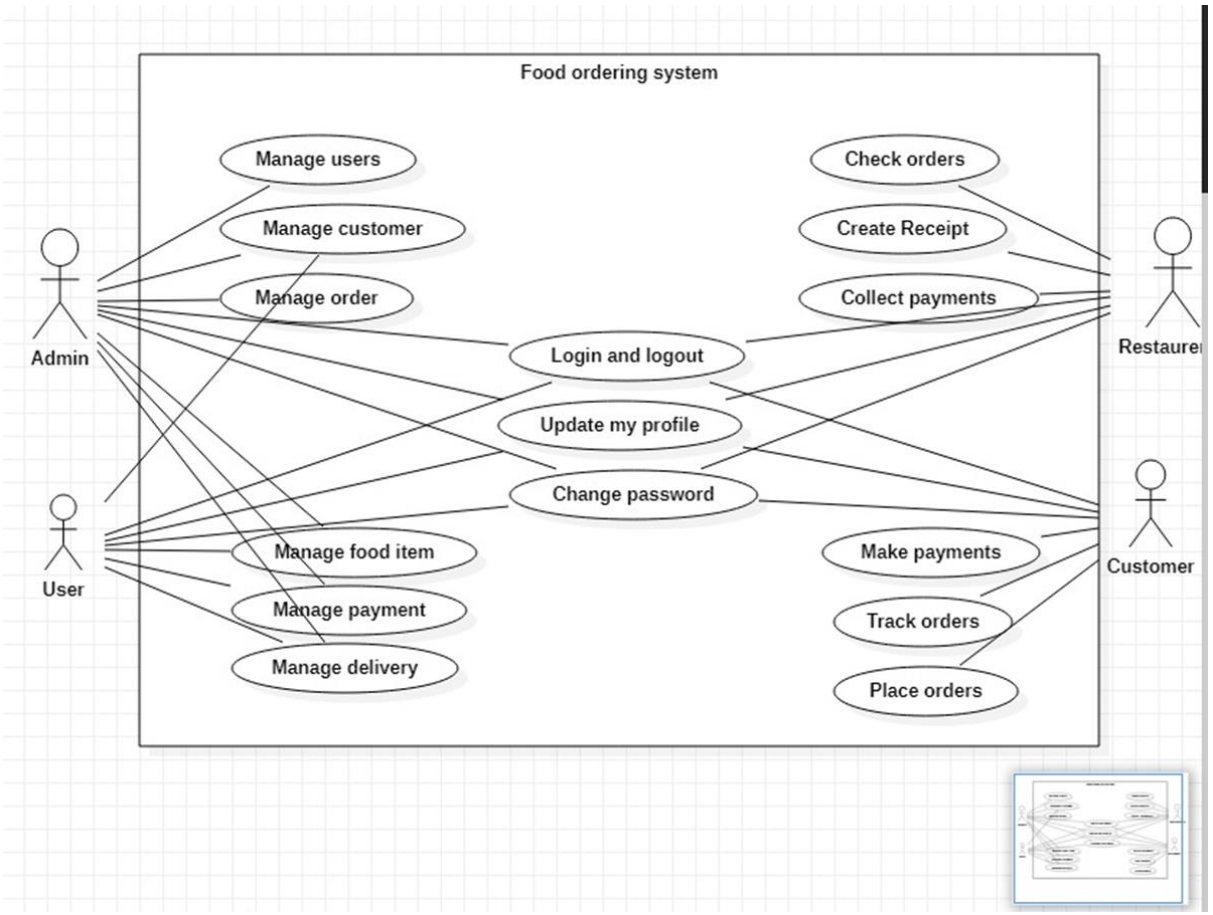
This system is a bunch of benefits from various points of view. This online application enables the end-users to register to the system online, select the food items of their choice from the menu list, and order food online. Also, the payment can be made using online mode or at the time of home delivery, depending upon the customer's choice and convenience. The selection made by the customers will be available to the hotel reception or to the person handling the work assignment. Now this same person will assign the orders to the specialist chef to be completed within a fixed duration of time. As soon as the chef prepares the food, the later person forwards the parcels to the delivery persons assigned with the location and customer identity of the customer along with the bill status.

One of the various benefits of this is system is that if there is a rush or a huge crowd present in the restaurant then in that case sometimes unavailability of tables cut downs the restaurant's customer. Also, there will be chances that the waiters are unavailable as they are busy handling others, so the customer can directly order the food to the chef online by using this application, by checking the seat availability in the restaurant. This system allows the staff to serve customers within less time as compared to the manual system.

PROJECT PROPOSED ARCHITECTURE DIAGRAM



UML DIAGRAM



LITERATURE REVIEW

In an automated food ordering system is proposed which will keep track of user orders smartly. Basically, they implemented a food ordering system for different type of in which user will make order or make custom food by one click only. By means of android application this system was implemented.

In Customer using a Smartphone is considered as a basic assumption for the system. When the customer approach to the mess, the saved order can be con?rmed by touching the Smartphone. The list of selected pre ordered items shall be shown on the kitchen screen, and when con?rmed, order slip shall be printed for further order processing. The solution provides easy and convenient way to select pre-order transaction form customers.

This system was a basic dynamic database utility system which fetches all information from a centralised database.

In research work aims to design and develop a wireless food ordering system in the mess. Technical operations of Wireless Ordering System (WOS) including systems architecture, function, limitations and recommendations were presented in this system

Along with customer feedback for a mess a design and execution of wireless food ordering system was carried out. It enables mess owners to setup the system in wireless environment and update menu presentations easily. Smart phone has been integrated in the customizable wireless food ordering system with real-time customer feedback implementation to facilitate real-time communication between mess owners and customers.

In Paper, the research work aims to automate the food ordering process in mess .Design implementation of food ordering system for mess were discuss in this paper. This system implements wireless data access to servers. The android application on user's mobile will have all the menu details. Kitchen and cashier receives the order details from the customer mobile wirelessly. These order details are updated in the central database. The mess owner can manage the menu modi?cations easily.

In Paper, this research works on efforts taken by mess owners also to adopt information and communication technologies such as PDA, wireless LAN, costly multi-touch screens etc. to enhance dining experience**.**

CODING AND TESTING

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Food website</title>
<!-- css file link -->
<link rel="stylesheet" href="index.css">
<!-- font awesome link -->
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

</head>

<body>

<!-- desktop view -->

<div id="container"

class="container">

<div id="menu">

<div class="brand-logo">

<img src="file:///C:/Users/PAVITHRA/Downloads/shoppingsite-main/shoppingsite-main/images/foodielogo.png" alt="logo">

</div>

<div class="menu-item">

<a href="#">About</a>

<a href="#">Services</a>

<a href="#">Your Orders</a>

<a href="#">Wishlist</a>

<a href="#">Address</a>

<a href="#">Help</a>

</div>

 <div id="checkout" class="cart-toggle">

<p id="total-item">Total Item : 5</p>

<p id="total-price">Total Amount : $50</p>

<p id="delivery">Free Delivery above $ 40</p>

<button class="'cart-btn">Checkout</button>

</div>

</div>

</div>

<!-- javascript file -->

<script type="text/javascript" src="index.js"></script>

</body>
```

</html>

CSS:

```
*{
padding: 0;
margin: 0;
box-sizing: border-box;
}
html{
height: 100%;
}
body{
height: 100%;
}
.container{
display: grid;
grid-template-columns: 250px 1fr 300px;
height: 100%;
overflow: hidden;
}
/* menu design */
#menu{
background: white;
}
.brand-logo{
padding: 0 30px;
}
.brand-logo img{
width: 150px;
height: 150px;
```

```
margin-top: -20px;
}
.menu-item a{
display: block;
text-decoration: none;
font-size: 20px;
padding: 8px 30px;
margin: 12px 0;
color: rgb(128,129,129);
font-weight: 300;
}
.menu-item a:hover{
background: rgb(250,212,218);
}
#food-container{
background: whitesmoke;
overflow: scroll;
overflow-x: hidden;
box-sizing: content-box;
}
```

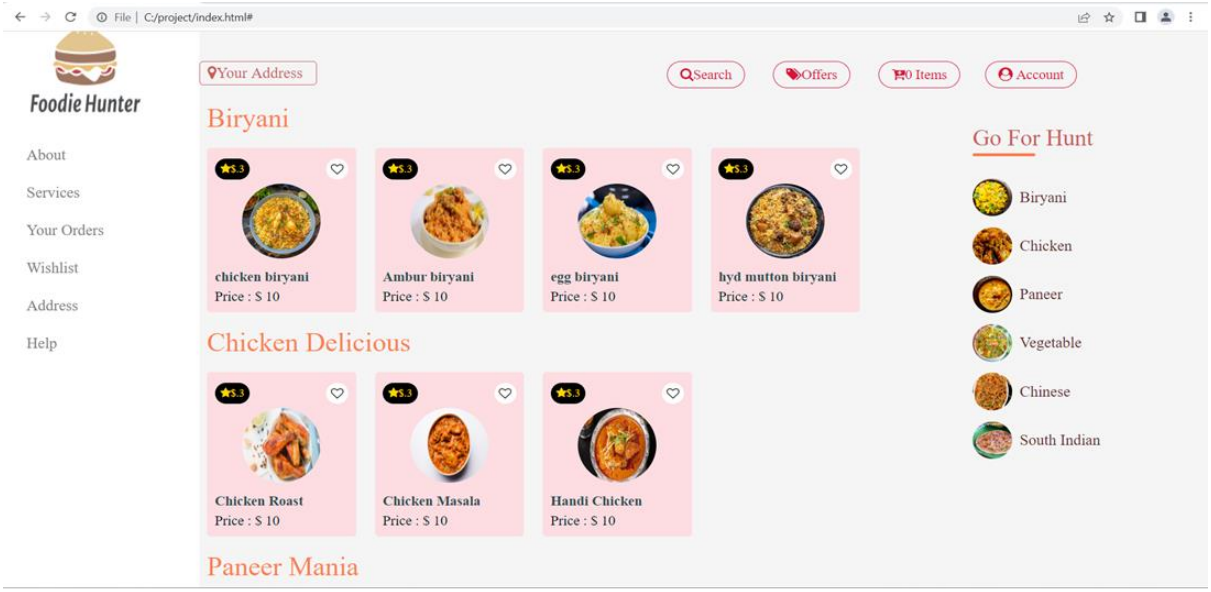
JAVASCRIPT:

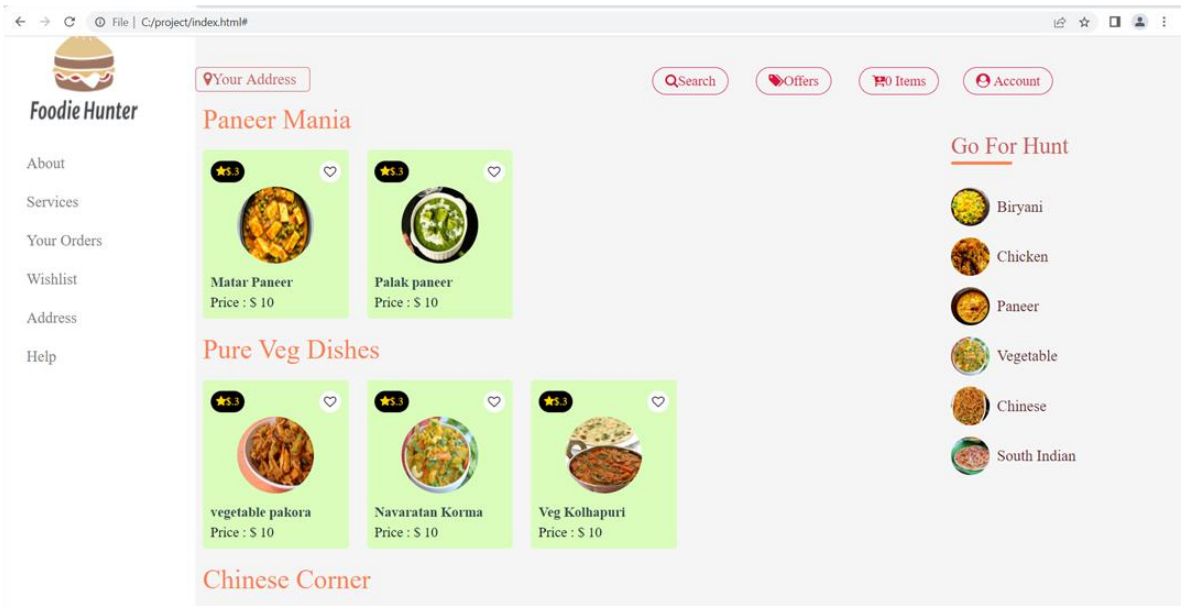
```
import {foodItem} from './fooditem.js'
function displayItems(){
var biryani= document.getElementById('biryani');
var paneer= document.getElementById('paneer');;
var chicken= document.getElementById('chicken');
var vegetable= document.getElementById('vegetable');
var chinese= document.getElementById('chinese');
var southIndian= document.getElementById('south-indian');
```

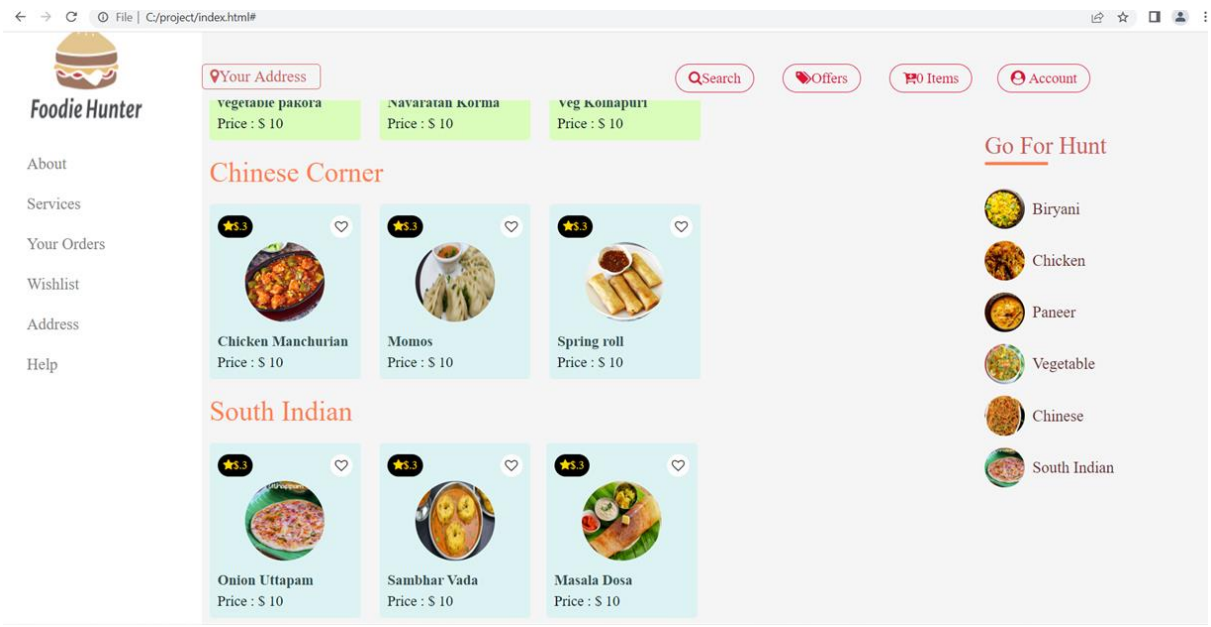
```
const biryaniData= foodItem.filter((item)=>item.category=='biryani');
const chickenData= foodItem.filter((item)=>item.category=='chicken');
const PaneerData= foodItem.filter((item)=>item.category=='paneer');
const vegetableData= foodItem.filter((item)=>item.category=='vegetable');
const chineseData= foodItem.filter((item)=>item.category=='chinese');
const southData= foodItem.filter((item)=>item.category=='south indian');
biryaniData.map(item=>{
var itemCard= document.createElement('div');
itemCard.setAttribute('id','item-card')
var cardTop= document.createElement('div');
cardTop.setAttribute('id','card-top');
var star= document.createElement('i');
star.setAttribute('class','fa fa-star');
star.setAttribute('id','rating');
star.innerText= ' ' + item.rating;
var heart= document.createElement('i');
heart.setAttribute('class','fa fa-heart-o add-to-cart');
heart.setAttribute('id',item.id)
cardTop.appendChild(star);
cardTop.appendChild(heart);
var img= document.createElement('img');
img.src=item.img;
var itemName= document.createElement('p');
itemName.setAttribute('id','item-name');
itemName.innerText= item.name;
var itemPrice= document.createElement('p');
itemPrice.setAttribute('id','item-price');
itemPrice.innerText= 'Price : $ ' + item.price;
itemCard.appendChild(cardTop);
itemCard.appendChild(img);
```

```
itemCard.appendChild(itemName);
itemCard.appendChild(itemPrice);
biryani.appendChild(itemCard);
})
chickenData.map(item=>{
var itemCard= document.createElement('div');
itemCard.setAttribute('id','item-card')
var cardTop= document.createElement('div');
cardTop.setAttribute('id','card-top');
var star= document.createElement('i');
star.setAttribute('class','fa fa-star');
star.setAttribute('id','rating');
star.innerText= ' ' + item.rating;
var heart= document.createElement('i');
heart.setAttribute('class','fa fa-heart-o add-to-cart');
heart.setAttribute('id',item.id)
cardTop.appendChild(star);
cardTop.appendChild(heart);
var img= document.createElement('img');
img.src=item.img;
var itemName= document.createElement('p');
itemName.setAttribute('id','item-name');
itemName.innerText= item.name;
var itemPrice= document.createElement('p');
itemPrice.setAttribute('id','item-price');
itemPrice.innerText= 'Price : $ ' + item.price;
itemCard.appendChild(cardTop);
itemCard.appendChild(img);
itemCard.appendChild(itemName);
itemCard.appendChild(itemPrice);
```

```
chicken.appendChild(itemCard)
})
PaneerData.map(item=>{
var itemCard= document.createElement('div');
itemCard.setAttribute('id','item-card')
var cardTop= document.createElement('div');
cardTop.setAttribute('id','card-top');
var star= document.createElement('i');
star.setAttribute('class','fa fa-star');
star.setAttribute('id','rating');
star.innerText= ' ' + item.rating;
var heart= document.createElement('i');
heart.setAttribute('class','fa fa-heart-o add-to-cart');
heart.setAttribute('id',item.id)
cardTop.appendChild(star);
cardTop.appendChild(heart);
var img= document.createElement('img');
img.src=item.img;
var itemName= document.createElement('p');
itemName.setAttribute('id','item-name');
itemName.innerText= item.name;
var itemPrice= document.createElement('p');
itemPrice.setAttribute('id','item-price');
itemPrice.innerText= 'Price : $ ' + item.price;
itemCard.appendChild(cardTop);
itemCard.appendChild(img);
itemCard.appendChild(itemName);
itemCard.appendChild(itemPrice);
paneer.appendChild(itemCard)
})
```


File | C:/project/index.html#
Foodie Hunter
Your Address
Search
Offers
0 Items
Account
About
Services
Your Orders
Wishlist
Address
Help
Biryani
chicken biryani
Price : $ 10
Ambur biryani
Price : $ 10
egg biryani
Price : $ 10
hyd mutton biryani
Price : $ 10
Chicken Delicious
Chicken Roast
Price : $ 10
Chicken Masala
Price : $ 10
Handi Chicken
Price : $ 10
Paneer Mania
Go For Hunt
Biryani
Chicken
Paneer
Vegetable
Chinese
South Indian


File | C:/project/index.html#
Foodie Hunter
Your Address
Search
Offers
0 Items
Account
About
Services
Your Orders
Wishlist
Address
Help
Paneer Mania
Matar Paneer
Price : $ 10
Palak paneer
Price : $ 10
Pure Veg Dishes
vegetable pakora
Price : $ 10
Navaratan Korma
Price : $ 10
Veg Kolhapuri
Price : $ 10
Chinese Corner
Go For Hunt
Biryani
Chicken
Paneer
Vegetable
Chinese
South Indian


File | C:/project/index.html#
Foodie Hunter
Your Address
Search
Offers
0 Items
Account
About
Services
Your Orders
Wishlist
Address
Help
Chinese Corner
Chicken Manchurian
Price : $ 10
Momos
Price : $ 10
Spring roll
Price : $ 10
South Indian
Onion Uttapam
Price : $ 10
Sambhar Vada
Price : $ 10
Masala Dosa
Price : $ 10
Go For Hunt
Biryani
Chicken
Paneer
Vegetable
Chinese
South Indian

CONCLUSION

Therefore, conclusion of the proposed system is based on user's need and is user cantered. The system is developed in considering all issues related to all user which are included in this system. Wide range of people can use this if they know how to operate android smart phone. Various issues related to Mess/Tiffin Service will be solved by providing them a full-?edged system. Thus, implementation of Online Food Ordering system is done to help and solve one of the important problems of people. Based on the result of this research, it can be concluded: It helps customer in making order easily; It gives information needed in making order to customer. The Food website application made for mess can help them in receiving orders and modifying its data and it is also made for admin so that it helps admin in controlling all the Food system. With online food ordering system, a mess menu online can be set up and the customers can easily place order. Also with a food menu online, tracking the orders is done easily, it maintain customer's database and improve the food delivery service. The mess can even customize online menu and upload images easily. Having a menu on internet, potential customers can easily access it and place order at their convenience. Thus, an automated food ordering system is presented with features of feedback and wireless communication. The proposed system would attract customers and adds to the efficiency of maintaining the ordering and billing sections. Scope of the proposed system is justifiable because in large amount peoples are shifting to different cities so wide range of people can make a use of proposed system.

REFERENCES

•Star UML for uml diagram

•Lucidchart for architecture diagram:-

https://lucid.app/lucidchart/2cfde37c-b18a-40d1-8bd3-c4115f33c763/edit?viewport_loc=-683%2C-4%2C2693%2C1006%2C0_0&invitationId=inv_38afd675-4709-47aa-a225-d4e3b0f8efd4

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•What is an Online Food Ordering System? – AppInstitute

•Online Food Ordering System (ijraset.com)

RESULT:

The mini project in subject DBMS on online food ordering system is executed successfully.