

# **FOOD MANAGEMENT SYSTEM**

## **A Project Report**

Submitted in partial fulfillment of the  
Requirements for the award of the Degree of

## **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

**By**

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**SION(W),MUMBAI, 400022**  
**MAHARASHTRA**  
**2020**

## PROFORMA FOR THE APPROVAL PROJECT PROPOSAL

Rollno: **TIT2021018**

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5. Is this your first submission?                      Yes

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Date: 7<sup>th</sup> October 2020

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Sudha Bhagavatheeswaran

Date: 7<sup>th</sup> October 2020

**SIES COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)**  
*(Affiliated to University of Mumbai)*  
**SION(W), MUMBAI-400022**

**DEPARTMENT OF INFORMATION TECHNOLOGY**



**CERTIFICATE**

This is to certify that the project entitled, "**Food Management System**", is bonafide work of **Shrinidhi Gatti** bearing Seat.No: **TIT2021018** submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

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## **Abstract**

The existing system focuses more on delivering food and lacks other functionalities. If a user wants to see recipe or order ingredients, they have will have to visit different websites for each ordering and viewing recipe. However, Trofi has brought everything on one platform. Trofi allows the user to upload recipe and videos of the recipe. In the videos, recipes will be explained as per the requirement. Trofi will also allow the users to buy ingredients for a particular recipe. Other food-based websites don't have verification, whether the food recipe uploaded is correct or the food they ordered is of good quality. There is no assurance of this. Whereas, Trofi assures and takes responsibility of each recipe and every recipe uploaded by the user. The user is also rewarded on each recipe being approved. If anyone wants to join us for growing and multiply their business as well as ours then they can join us on our franchise.

# ACKNOWLEDGEMENT

I have worked hard to build this project. However, it would not have been possible without the kind support and help of many individuals. I would like to extend my sincere thanks to all of them.

I am highly thankful to **Mrs. Sudha .B** for her guidance and constant supervision as well as for providing necessary information regarding the project and also for her support in completing the project as well as the documentation.

I also thank all of them who gave me even a small idea which turned out to be huge and be a important part of the project.

# DECLARATION

I hereby declare that the project entitled, “**Food Management System**” has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as final semester project as part of our curriculum.

**Name and Signature of the Student**

**Shrinidhi Gatti**

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# Chapter 1: Introduction

## 1.1 Background

Trofi is an online food delivering website. However, it also delivers ingredients required for the dish the customer wishes to have. It also allows the user to search nearby restaurants and book tables. Trofi also provides online recipes uploaded by the users. The consumer can order the ingredients listed in the recipe and can also take the help of the videos uploaded by the other users. The website also maintains a points card that leads the user to discounts and offers. The existing systems are really smooth but lack certain aspects like viewing of recipes and watching videos. However, Trofi does not have these backlogs.

## 1.2 Objective

- To make Ordering food more interesting by allowing customers to do some activity like uploading videos for a recipe and getting points for it.
- Allows user to upload their recipe and share with others.
- It has a feature where the user can buy the recipe ingredients accordingly.
- It highly empowers employment as the website hires people as a dasher.
- Also, encourages business-men to grow their business under the website constraints.
- The first and foremost feature here is that the users can view recipes of their favorite dishes.
- It also provides videos based on the recipes.
- Users can also buy products as per the ingredients listed in the recipe.
- The ingredients are weighted and customized as per the requirements of the dish the user wishes to have.

## **1.3 Purpose, Scope and Applicability**

### **1.3.1 Purpose**

The main reason of building this website is to make people eat restaurant style cuisine at home. This website is inspired by other popular websites of this kind namely Zomato, Swiggy, Doordash and Uber Eats. But this proposed website is also distinct at the same time. We have taken many features from these sites and tried to improve them.

### **1.3.2 Scope**

Firstly, we have a section for recipes, where the user is allowed to upload recipes and also find videos regarding the recipe. These recipes are approved by the chefs. For every recipe added by the user, if the recipe is approved then user will get points. These points will be added to the point card and later point card can be redeemed by them for discounts. The chef will also be given access to customize the user's recipe if changes are required. The chef can either approve the recipe and correct it as per the requirements or chef can directly reject the recipe, if too many mistakes are found. It's the user's choice, whether to upload recipe or a video. The user can also upload both recipe as well as a video. Trofi also has an ingredient section, from where the user can shop the ingredients. But the user will only be able to order ingredients mentioned in the specific recipe. The quantity of the ingredients is also restricted to the quantity mentioned in the recipe. The recipes on the website will be for two people, if the user requires ingredients for more than two people then they will be provided with an option in even order i.e. 2, 4, 6, 8 and 10. Trofi can load all the nearby restaurants by analyzing the map location. The restaurants will be sorted with respect to the location of the restaurant. If the user wants to toggle between restaurants in his/her area that is possible due to this function. This website also differentiates food as per their variety. Restaurant owner can also join us through the franchise section of the website. They can grow our business and also their business by investing in us. They will have to have a minimum amount of turn over to do so. But they have to be careful about the law of our franchise. They will have certain restrictions. This functionality is also valid for other businesses also not only for restaurants and hotels. Trofi also hires Dashers that is delivery person, who are in need of the any job. They will have to match certain aspects of requirements in order to join Trofi. In case of any problems regarding payment or order, users can get in touch with us to solve the issues. To

get such help we have a help section in the website. Restaurants can join us by clicking on the Add restaurant section. They will have to meet certain verification requirements to join us.

### **1.3.3 Applicability**

This proposed system is targeting middle age citizens and people who cannot cook food on their own.

# Chapter 2: Survey of Technologies

## 2.1 Front-End

### 1. Java: -

- Simple: Java is designed to be easy to learn. If you understand the basic concept of OOP Java, it would be easy to master.
- Secure: With Java's secure feature it enables to develop virus-free, tamper-free systems. Authentication techniques are based on public-key encryption.
- Robust: Java makes an effort to eliminate error-prone situations by emphasizing mainly on compile time error checking and runtime checking.
- High Performance: With the use of Just-In-Time compilers, Java enables high performance.

### 2. HTML (Hyper Text Mark Up Language): -

- Simple: It is a very **easy and simple language**. It can be easily understood and modified.
- Variety of Tags: It is very easy to make an **effective presentation** with HTML because it has a lot of formatting tags.
- Flexible to use: It is a **Mark Up language**, so it provides a flexible way to design web pages along with the text.
- Responsive: It facilitates programmers to add a **link** on the web pages (by html anchor tag), so it enhances the interest of browsing of the user.
- Platform-Independent: It is **platform-independent** because it can be displayed on any platform like Windows, Linux, and Macintosh, etc.

- Innovative: It facilitates the programmer to add **Graphics, Videos, and Sound** to the web pages which makes it more attractive and interactive.
- Case-insensitive: HTML is a case-insensitive language, which means we can use tags either in lower-case or upper-case.

### 3. C Sharp (C#): -

- Simple: C# is a simple language in the sense that it provides structured approach (to break the problem into parts), rich set of library functions, data types, etc.
- Modern Programming Language: C# programming is based upon the current trend and it is very powerful and simple for building scalable, interoperable and robust applications.
- Type Safe: C# type safe code can only access the memory location that it has permission to execute. Therefore, it improves a security of the program.
- Interoperability: Interoperability process enables the C# programs to do almost anything that a native C++ application can do.
- Structured Programming: C# is a structured programming language in the sense that we can break the program into parts using functions. So, it is easy to understand and modify.

## Why we choose Bootstrap?

### Bootstrap:

- Easy to use: Anybody with just basic knowledge of HTML and CSS can start using Bootstrap
- Responsive features: Bootstrap's responsive CSS adjusts to phones, tablets, and desktops
- Mobile-Friendly: Mobile-first approach: In Bootstrap 3, mobile-first styles are part of the core framework
- Simple Integration: Bootstrap can be simply integrated along with distinct other platforms and frameworks, on existing sites and new ones too and one more thing you can also utilize particular elements of Bootstrap along with your current CSS.
- Pre-styled Components: Bootstrap approaches with pre-styled components for alerts, dropdowns, navigation bar, etc.
- Customizable Bootstrap: The Bootstrap can be customized as per the designs of your project.
- Browser compatibility: Bootstrap is compatible with all modern browsers (Chrome, Firefox, Internet Explorer, Safari, and Opera)
- Great grid system: Bootstrap is built on responsive 12-column grids, layouts and components. Whether you need a fixed grid or a responsive, it's only a matter of a few changes.

## 2.2 Back-End/DBMS

### 1. Apache server:

Apache is a popular open-source, cross-platform web server that is, by the numbers, the most popular web server in existence. It's actively maintained by the Apache Software Foundation.

- The basic job of all web servers is to accept requests from clients and then send the response to that request.

- modules which add more functions to its software, such as MPM (for handling multi-processing modes)
- Some common features seen in Apache include:
- IPv6
- FTP
- HTTP/2
- URL rewriting
- Session tracking
- Geo location based on IP address

2. **Node.js server:** Node.js is basically a server-side JavaScript environment that is used for network applications such as web servers.

- **Node.js** is an open-source, cross-platform, JavaScript run-time environment that executes JavaScript code outside of a browser. Node.js lets developers use JavaScript to write command line tools and for server-side scripting—running scripts server-side to produce dynamic web page content before the page is sent to the user's web browser.
- Though `.js` is the standard filename extension for JavaScript code, the name "Node.js" does not refer to a particular file in this context and is merely the name of the product. Node.js has an event-driven architecture capable of asynchronous I/O.
- Node.js operates on a single thread event loop, using non-blocking I/O calls, allowing it to support tens of thousands of concurrent connections without incurring the cost of thread context switching npm is the pre-installed package manager for the Node.js server platform



## Why we choose SQL?

- Can contain SQL Procedural Language statements and features which support the implementation of control-flow logic around traditional static and dynamic SQL statements.
- Support nested functions calls to other SQL functions or functions implemented in other languages.
- Reside in the database and are automatically backed up and restored as part of backup and restore operations.
- Can be invoked wherever expressions in an SQL statement are supported.
- Are easy to implement, because they use a simple high-level, strongly typed language

## 2.3 Scripting Language

### 1. JavaScript:

- Object Centered Scripting-language: Object Centered Language features built in the object as Java Script has a window object. Some Common Examples of Object Centered languages are Java Script and Visual Basic etc. The object-centered languages are mostly used for features like Polymorphism which is a quality of taking an object in many forms. Use of Polymorphism within object-oriented programming requires whenever we use to represent reference of the parent class to an object of a child class.
- Validation of user's input: Validation of User's Input is most commonly known as form validation. It allows users to interact with client through filling forms through web pages. The details in the form need to be correctly filled where form validation helps the client to validate the details entered by the user.
- Handling Events: The Java Script has the ability to control operations updated on servers. This is basically controlling the response on the website when the user tries to perform any operation the server handled by the client like clicking on links and options, interaction response over the website, etc.
- Case Sensitive Format: The codes written in Java Script are Case Sensitive which explains that there will be no difference in the output whether the codes are written in Upper Case or Lower-Case format.

## 2. React JS:

- The Virtual DOM: The document object model or DOM manipulation is one of the most important parts of the web. But updating the DOM is very slow, even slower than many JavaScript operations. Most of the JavaScript frameworks update the whole DOM which makes it slower. Well, there is no need to update the whole DOM, instead, these frameworks should update only the part of DOM that is required to update. This is what the virtual DOM does.
- One Way Data Binding: One-way data-binding means that through the whole application data flows only in one direction. This gives better control over it. The data is passed from the parent component to child component through read-only props. These props cannot be sent back to the parent component. This is how one-way data binding works. Although, the child component can communicate with the parent component to update the state via callback functions.
- Components: A web page in react JS is divided into various components. Every component defines a view or a part of a view. ReactJS is component-based. Component logic is written in JavaScript rather than templates, so it is easy to pass the data through the app and keep the state out of the DOM.
- Life cycle Methods: The lifecycle methods provided by ReactJS are very useful while development. Every component in ReactJS has a lifecycle of its own. They are a series of methods that are executed at different stages of execution. Following is the list of lifecycle methods.

## 3. Python: -

- Easy to Learn and Use: Python is easy to learn and use. It is developer-friendly and high-level programming language.
- Expressive Language: Python language is more expressive means that it is more understandable and readable.
- Interpreted Language: Python is an interpreted language i.e. interpreter executes the code line by line at a time. This makes debugging easy and thus suitable for beginners.
- Cross-platform Language: Python can run equally on different platforms such as Windows, Linux, Unix and Macintosh etc. So, we can say that Python is a portable language.
- Free and Open Source: Python language is freely available at official web address. The source-code is also available. Therefore, it is open source.

## 2.4 Software and Broad Areas of Application

Table 2.1: Software and Broad Areas of Application

<b>FRONT-END / GUI Tools</b>	Bootstrap
<b>DBMS/BACK-END</b>	PHP, SQL
<b>SCRIPTING LANGUAGES</b>	-

# Chapter 3: Requirement and Analysis

## 3.1 Problem Definition: -

- **Non-Interactive:**

The websites are not interactive for the users. It only focuses on ordering the food not on other aspects of the website. There is no help facility if required in case of an error by the company itself. It doesn't allow users to suggest and share their recipe with other users.

- **Expensive:**

They charge a lot of money on packing and delivery. They don't provide any special discounts on normal days. Hygiene is compromised for profit of the company i.e. it allows the user to order even from an unauthorized restaurant and thus it affects the health of the people.

- **Quality:**

The quality of the food is degraded as it doesn't check whether the food is fresh or not and it directly affects the customer's health. The delivery is also not done on-time, as there is always a delay. The quality check of restaurant is also not done properly. In-case of payment error their servers also don't respond properly due to low maintenance problems.

- **Ads Complexity and Security:**

There are lot of advertisements on the website which belong to the third-party applications. These applications could be the reason for malware to enter on the device being used. It also affects the performance of the services provided by the food delivery app.

## 3.2 Requirement Specification:

- **Secure login:**

There should be a strong authentication and verification of the data entered in every field of the login form. There should not be any chance for the intruder to access the database by using SQL Injection in login form or some other technique. SQL injection is a code injection technique that might destroy your database. SQL injection is one of the most common web hacking techniques.

- **Web Design:**

functionality all contribute to good website design. When designing a website there are many key factors that will contribute to how it is perceived. A well-designed website can help build trust and guide visitors to take action. Several factors such as consistency, colors, typography, imagery, simplicity and

- **Dynamic:**

Users need not use any other application because it has all the required features. The system which is to be developed should be easy access to anyone who has basic knowledge of using a computer.

- **Interactive:**

Design needs to respond to the user's real time interactions to give a valid output. Similar to other security necessities, responsiveness of the design is equally important for the website's overall outcome and look.

### 3.3 Planning & Scheduling:

PERT Chart:

A PERT chart is a project management tool that provides a graphical representation of a project's timeline. The Program Evaluation Review Technique (PERT) breaks down the individual tasks of a project for analysis. PERT charts are considered preferable to Gantt charts because they identify task dependencies.

PERT charts help project managers get a handle on complex projects. They're useful because they provide an estimation of how much time you'll need to schedule the project and what resources will be required. The nature of the PERT chart and its breakdown structure helps to visualize the complexity of a project and the dependencies between each step in the process.

PERT Diagram could be represented in two ways:

- 1) Activity on Arrow
- 2) Activity on Node

In Activity on Arrow, the arrows represent activity whereas in Activity on Node, the nodes represent activities. In the project, Activity on Node is used to draw the PERT Diagram. Here we are going to show 2 charts: one showing the schedule of the documentation (A) and the other shows the schedule of the project starting with planning to the actual implementation (B).

#### (A): PERT Diagram for Documentation

Synopsis – A

Chapter 1 – B

Chapter 2 – C

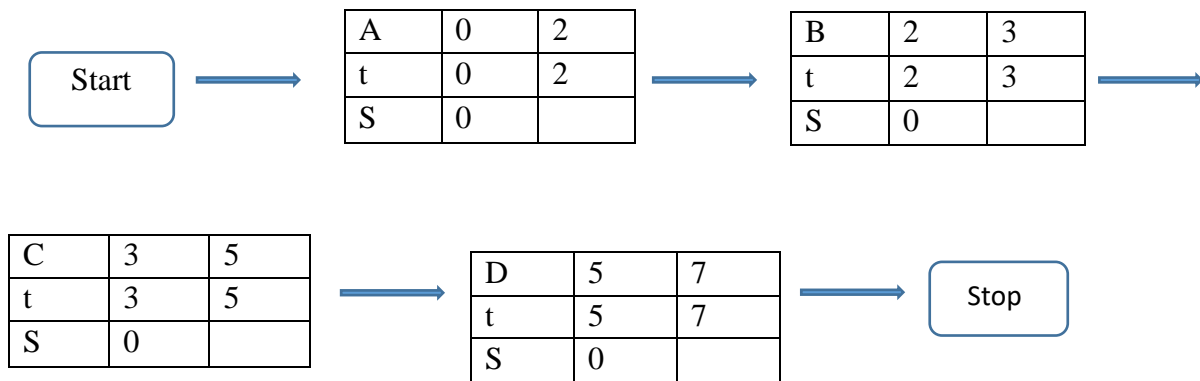
Chapter 3 – D

Table 3.1: Pert Chart (Documentation)

Activity	Precedence	Duration
A	-	2 Weeks
B	A	1 Week
C	B	2 Weeks
D	C	2 Week

Project Network:

Start → A → B → C → D → Stop



Slack = 0 for all activities

Therefore, critical path = A-B-C-D

### (B): PERT Diagram for Project

Planning – I

Requirements – II

Designing – II

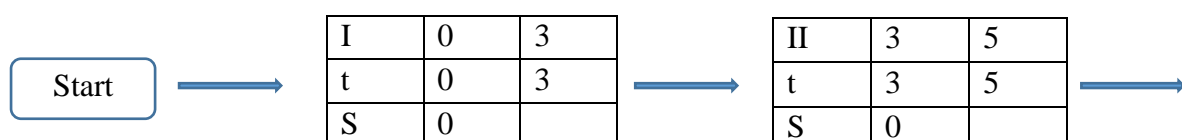
Documentation – IV

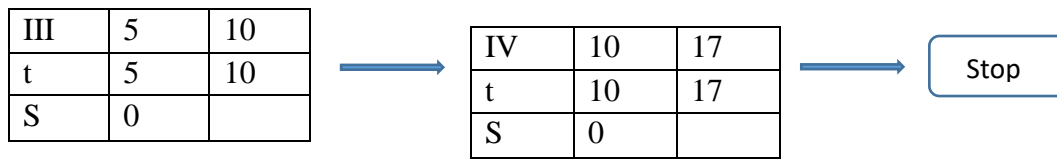
Table 3.2: Pert Chart (Project)

Activity	Precedence	Duration
I	-	3 Weeks
II	I	2 Week
III	II	5 Weeks
IV	III	7 Weeks

Project Network:

Start → I → II → III → IV → Stop





Slack = 0 for all activities

Therefore, critical path = I-II-III-IV

### Gantt Chart:

A Gantt chart, commonly used in project management, is one of the most popular and useful ways of showing activities (tasks or events) displayed against time. On the left of the chart is a list of the activities and along the top is a suitable time scale. Each activity is represented by a bar; the position and length of the bar reflects the start date, duration and end date of the activity. Below Gantt chart shows us the schedule of the project. It is a diagram representing the time taken for each task and can be easily prepared using Microsoft Word and Excel as well as some online applications. These types of charts help in the scheduling of the project after proper planning of the project is done. This scheduling helps to find out the estimated and the actual time period of each stage of the project. Here we are going to see 2 Gantt charts: one showing the schedule of the documentation (A) and the other shows the schedule of the project starting with planning to the actual implementation (B).

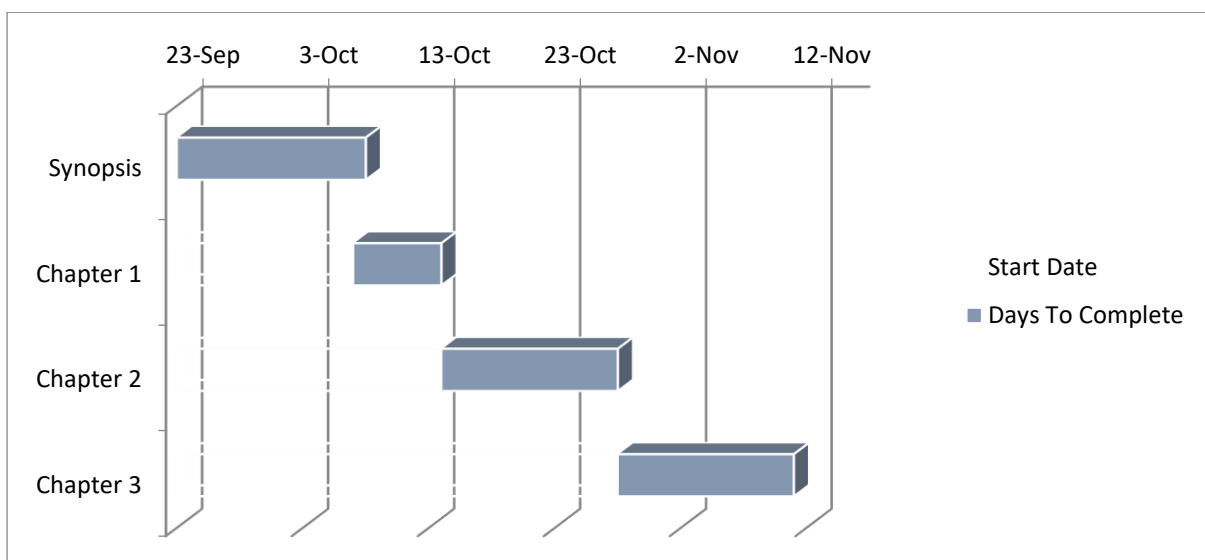


Figure 3.1: Diagram - Gantt Chart(A)



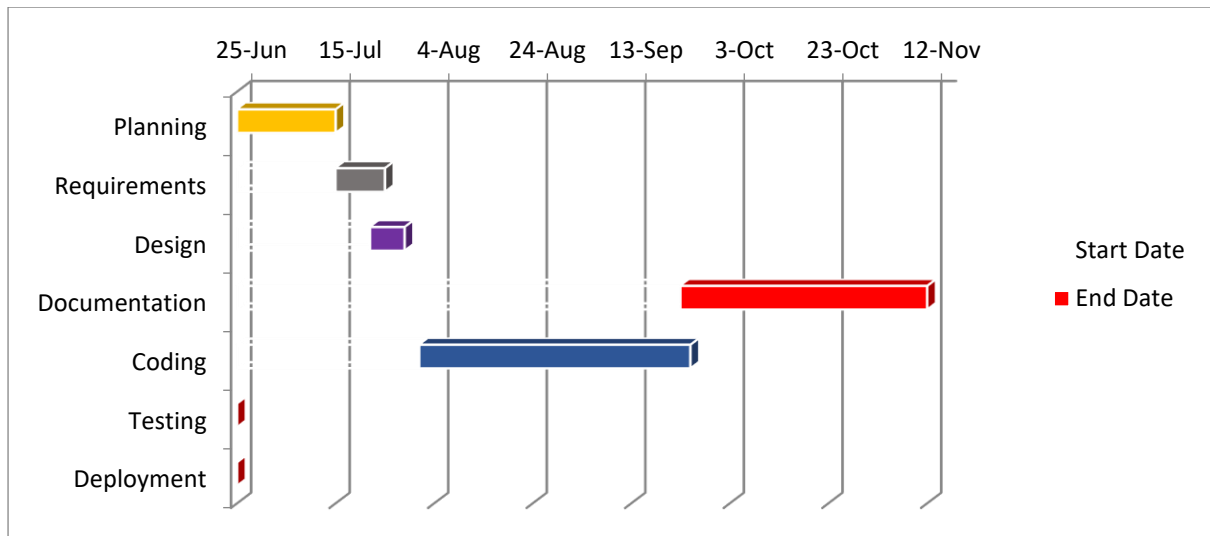


Figure 3.2: Diagram - Gantt Chart(B)

## 3.4 Software and Hardware Technologies:

### Software Requirements:

- Windows Operating System
- Visual Studio Code
- Bootstrap toolkit library
- Web browser
- Apache web server Software
- MYSQL

### Hardware Requirements:

- Laptop/PC
- LAN

## 3.4 Conceptual Models

ER Diagram:

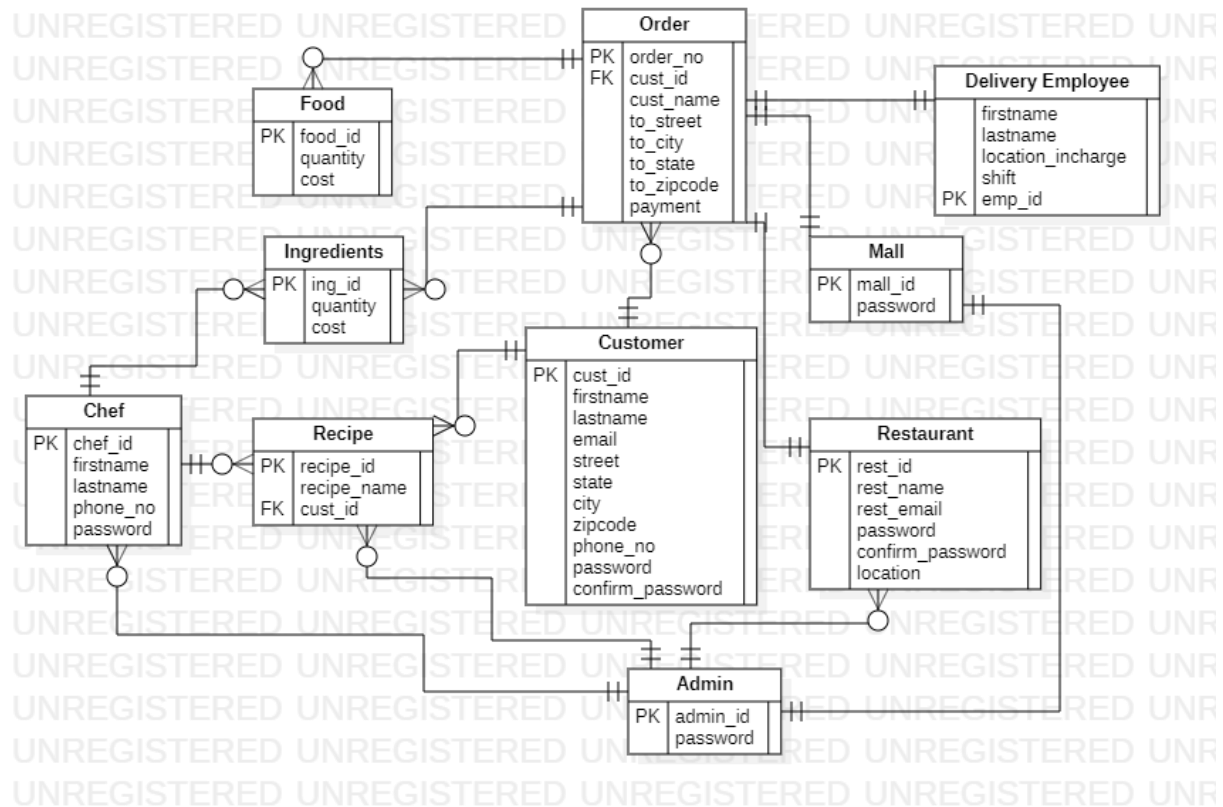


Figure 3.3: ER Diagram

# Chapter 4: System Design

## 4.1 Basic Modules:

- **Home**: This is the main page of the website; it opens connections to all the functionalities of the website. All the main functions are present on this page. User can search for restaurants and food recipes from the search bar present here.
- **About**: It tells the user about our website and also mentions how to operate the website. It gives a step-by-step instruction to do a particular task.
- **Join us**: People interested in growing their business can join our franchise through this section. This module mainly focuses on the business aspect of the website.
- **Be your Own Chef**: Users can add recipes and video through this section. For every recipe added by the user, if the recipe is approved then user will get points. These points will be added to the point card and later point card can be redeemed by them for discounts.
- **Order**: User can order food and ingredients here. The recipes on the website will be for two people, if the user requires ingredients for more than two people then they will be provided with an option in even order i.e. 2, 4, 6, 8 and 10.
- **Contact Us**: this section allows the user to get in touch with us. Here we also have a newsletter section from where the user will be getting updates about offers and other news.
- **Login**: This takes the required input from the user to get him logged into the website. Username and password are needed to login to the website.
- **Sign-up**: Here the user gives all the information required for all the functionalities needed. It takes the user details like phone number, email, address, etc.
- **Add Restaurant**: The restaurant owner who want their restaurant to be featured on the website can join us from here.
- **Be a Dasher**: All the people who are in search of jobs for becoming a dasher can fill in their details here and then we will get in touch with them.

## 4.2 Data Design:

### Customer Table:

Column Name	Data Type	Key	Allow Null
cust_id	Varchar(100)	PK	No
firstname	Varchar(100)	-	No
lastname	Varchar(100)	-	No
email	Varchar(100)	-	No
street	Varchar(100)	-	No
city	Varchar(100)	-	No
zipcode	Varchar(100)	-	No
state	Varchar(100)	-	No
phone_no	Int	-	No
password	Varchar(100)	-	No
confirm_password	Varchar(100)	-	No

### Order Table:

Column Name	Data Type	Key	Allow Null
Order_no	Int	PK	No
cust_id	Varchar(100)	FK	No
cust_name	Varchar(100)	-	No
to_street	Varchar(100)	-	No
to_state	Varchar(100)	-	No
to_city	Varchar(100)	-	No
to_zipcode	Int	-	No
payment	Varchar(100)	-	No

### Order Table:

Column Name	Data Type	Key	Allow Null
food_id	Varchar(100)	PK	No
quantity	Varchar(100)	-	No
cost	Varchar(100)	-	No

### Ingredients Table:

Column Name	Data Type	Key	Allow Null
ing_id	Varchar(100)	PK	No
quantity	Varchar(100)	-	No
cost	Varchar(100)	-	No

**Delivery Employee Table:**

Column Name	Data Type	Key	Allow Null
firstname	Int	-	No
lastname	Varchar(100)	-	No
location_incharge	Varchar(100)	-	No
shift	Varchar(100)	-	No
emp_id	Varchar(100)	PK	No

**Restaurant Table:**

Column Name	Data Type	Key	Allow Null
rest_id	Int	PK	No
rest_name	Varchar(100)	-	No
rest_email	Varchar(100)	-	No
password	Varchar(100)	-	No
confirm_password	Varchar(100)	-	No
location	Varchar(100)	-	No

**Mall Table:**

Column Name	Data Type	Key	Allow Null
mall_id	Int	PK	No
password	Varchar(100)	-	No

**Recipe Table:**

Column Name	Data Type	Key	Allow Null
recipe_id	Varchar(100)	PK	No
recipe_name	Varchar(100)	-	No
cust_id	Varchar(100)	FK	No

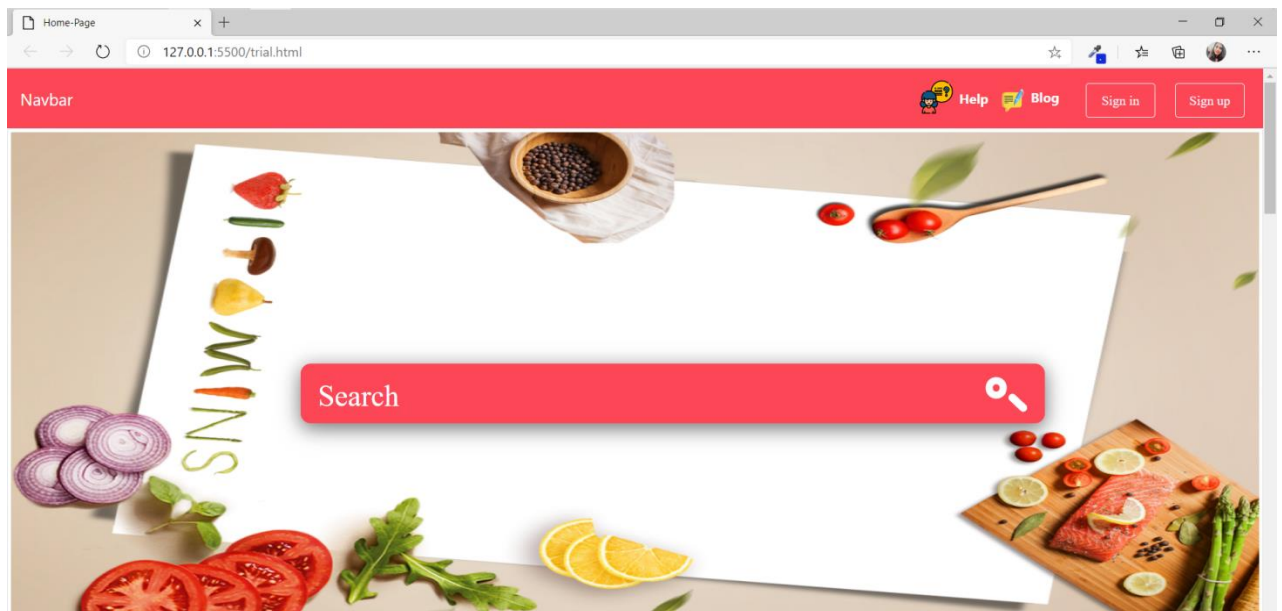
**Chef Table:**

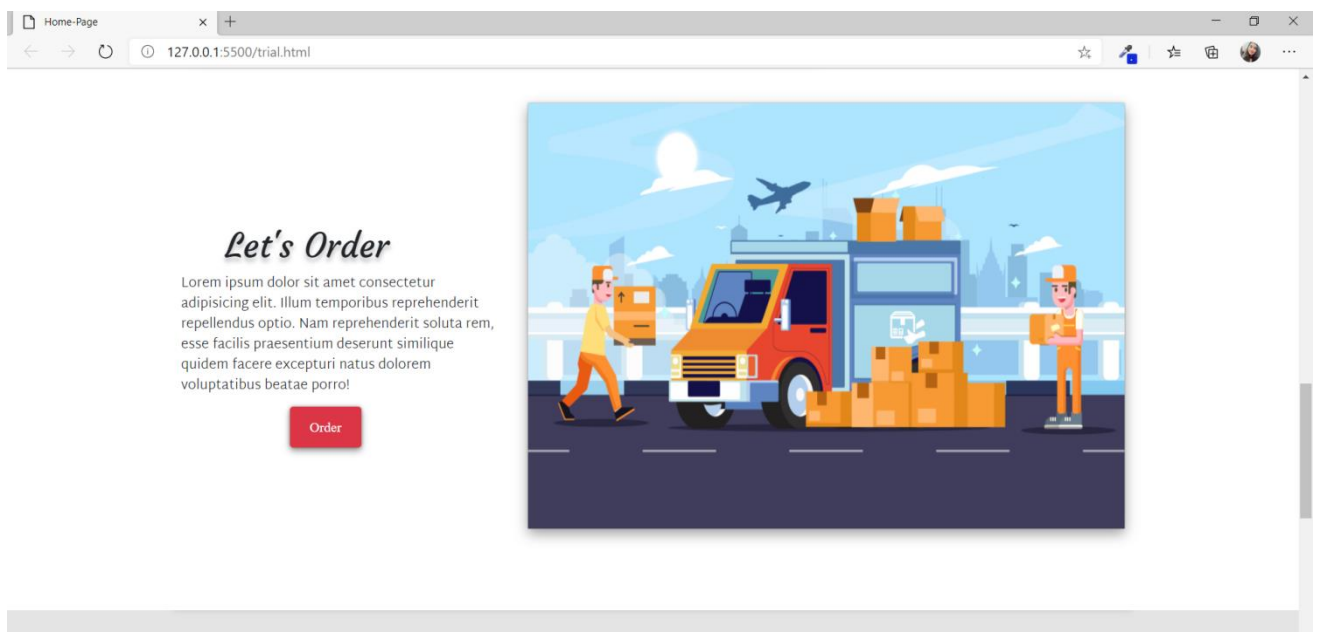
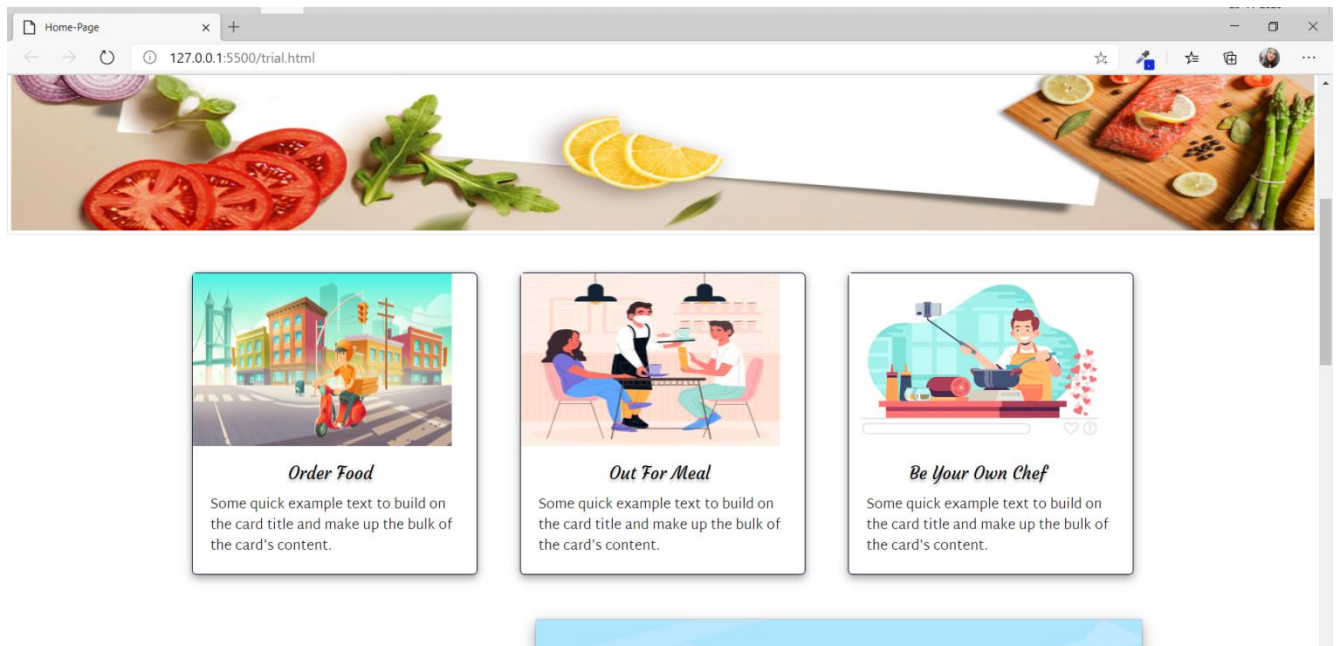
Column Name	Data Type	Key	Allow Null
chef_id	Varchar(100)	PK	No
firstname	Varchar(100)	-	No
lastname	Varchar(100)	-	No
phone_no	Int	-	No
password	Varchar(100)	-	No

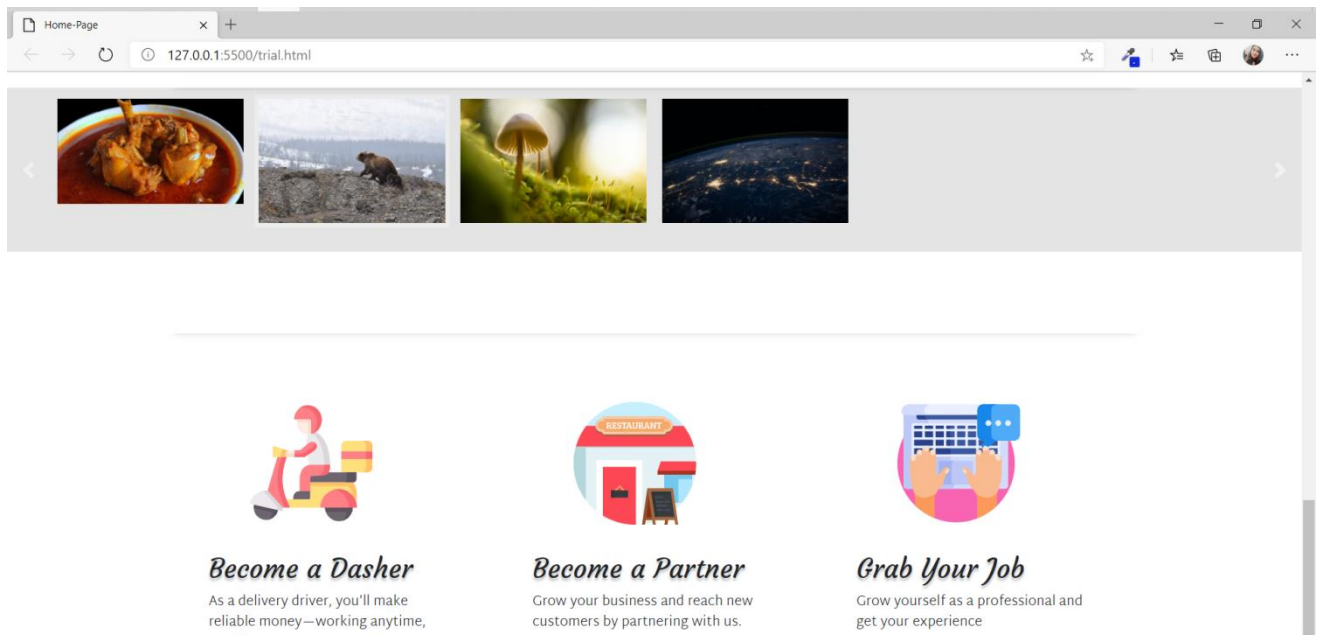
**Admin Table:**

Column Name	Data Type	Key	Allow Null
admin_id	Varchar(100)	PK	No
password	Varchar(100)	-	No

## 4.3 User Interface Design:







### ***Become a Dasher***

As a delivery driver, you'll make reliable money—working anytime, anywhere.

### ***Become a Partner***

Grow your business and reach new customers by partnering with us.

### ***Grab Your Job***

Grow yourself as a professional and get your experience.



# References

- [1] <https://stackoverflow.com/>
- [2] <https://www.w3schools.com/>
- [3] <https://dribbble.com/>
- [4] <https://www.udemy.com/>

# **FOOD MANAGEMENT SYSTEM**

## **A Project Report**

Submitted in partial fulfillment of the  
Requirements for the award of the Degree of

## **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

By

Shrinidhi Gatti  
TIT2021018

Under the esteemed guidance of  
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**DEPARTMENT OF INFORMATION TECHNOLOGY  
SIES COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
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MAHARASHTRA  
2020**

**SIES COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
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## DEPARTMENT OF INFORMATION TECHNOLOGY



### CERTIFICATE

This is to certify that the project entitled, "**Food Management System** ", is bonafide work of **Shrinidhi Gatti** bearing Seat.No: **TIT2021018** submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

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**Date: 5th December 2020**

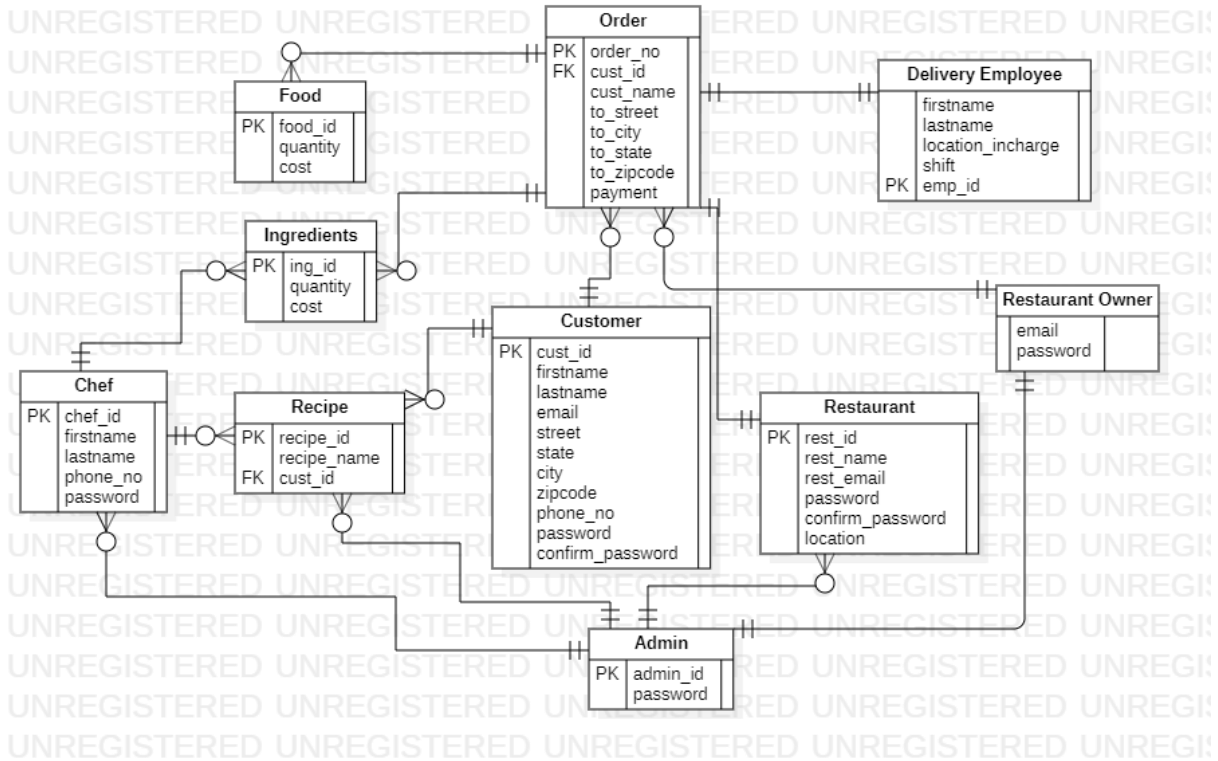
**College Seal**

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# Changes made under Chapter 1, 2, 3 4

## 1. ERD



# Chapter 5 Implementation and Testing

## 5.1 Implementation Approaches

The website has been developed mainly based on two approaches one is user's based and the other being admin's. The admin implementation is further divided into two sub-approaches like Restaurant owner and Chef.

The users can order food, view recipes and upload recipes along with video. They can also order ingredients of recipes uploaded by other users, in-case they wish to cook food. Users can view their order history of both ingredients and of the food they had ordered separately. If the recipe is approved by the chef, then only all the users will be able to view the recipe.

The second approach is for the admins they control the critical functioning of the website. The admin can view and analyse activities of the sub-admins chef and Restaurant owner. The chef is responsible for approving the recipes uploaded by the users, so that there are no unnecessary or spam recipes on the website. The restaurant owner is the one who will update the status of the ingredient and food order, at the same time will also be able to edit food menu. He is allowed to do all these things only for his/her restaurant. The main admin will be able to do all the things other to admins are able to do.

## 5.2 Coding Details and Code Efficiency

Register From:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0,shrink-to-fit=no">
  <title>Registration</title>

  <?php

  include 'database/db.php';

  if(isset($_POST['register']))
  {
    $fname = $_POST['fname'];
    $lname = $_POST['lname'];
    $uname = $_POST['uname'];
    $phoneno = $_POST['phoneno'];
    $email = $_POST['email'];
    $password = $_POST['password'];
    $cpassword = $_POST['cpassword'];
```

```

        register($fname,$lname,$uname,$phoneno,$email,$password,$cpassword
    );
        // echo  $fname,$lname,$uname,$phoneno,$email,$password,$cpassword
    ;

    }

    ?>

    <!-- font -->
    <link href="https://fonts.googleapis.com/css2?family=Courgette&family=Mar
el+Sans:wght@300;400&display=swap" rel="stylesheet">
    <a href="https://icons8.com/icon/114329/share-3"></a>
    <!-- CSS BOOTSTRAP -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
giJF6kkoqNQ00vy+HMDP7azOuL0xtbfIcaT9wjKHr8RbDVddVHyTfAAsrekwKmp1" crossorigin=
"anonymous">
    <!-- css -->
    <link rel="stylesheet" href="import/regi.css">

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

    </head>
    <body>

        <div class="app" style="margin-top: 4em;height: 40em;">

            <div class="bg s"></div>

            <form action="" method="POST">
                <div class="row" style="margin-bottom: -4em;">
                    <div class="col-5" style="margin-top: -4em;">
                        <a href="index.php"></a>
                    </div>
                    <div class="col-6" style="margin-top: -1em;" >
                        <p style="font-weight: bolder;color:white;font-
family: 'Courgette', cursive; margin-top: 20px;font-size: 22px;text-
decoration: underline;">
                            Register Yourself!
                        <br>
                    </p>
                </div>
            </div>

```

```

        <!-- <p style="font-weight: bolder;color:white;font-
size: larger;font-family: Comic Sans MS, Comic Sans, cursive;">
        Register Yourself!
    </p> -->
    <div class="inputs" style="margin-top: 0.5em;">
    <div class="row">
        <div class="col-6">
            <input type="text" name="fname" placeholder="Firstname " >
        </div>
        <div class="col-6">
            <input type="text" name="lname" placeholder="Lastname">
        </div>
    </div>
    <div class="row">
        <div class="col-6">
            <input type="text" name="uname" placeholder="Username">
        </div>
        <div class="col-6">
            <input type="tel" name="phoneno" placeholder="Phone number">
        </div>
    </div>
    <div class="row">
        <div class="col-12">
            <input type="text" name="email" placeholder="Email">
        </div>
    </div>

        <input type="password" name="password" placeholder="Password">
        <input type="password" name="cpassword" placeholder="Confirm Passw
ord">

    </div>

    <button name="register">Regsiter</button>
</form>

</div>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/
popper.min.js" integrity="sha384-
q2kxQ16AaE6UbzuKqyBE9/u/KzioAlnx2maXQHIDx9d4/zp8Ok3f+M7DPm+Ib6IU" crossorigin=
"anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/js/bootstrap.min.js" integrity="sha384-
pQQkAEnwaBkjpqZ8RU1fF1AKtTcHJwF13pblpTlHXybJjHpMYo79HY3hIi4NKxyj" crossorigin=
"anonymous"></script>

```



```

        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
ygbV9kiqUc6oa4msXn9868pTtWMgiQaeYH7/t7LECLbyPA2x65Kgf800JFdroafW" crossorigin=
"anonymous"></script>

</body>
</html>

```

### 5.2.1 Code Efficiency

```
<?php include 'import/navbar.php'; ?>
```

This is the code link for Navbar which I have used in almost all the pages, in this way the lines of code have been reduced in this website.

This link contains the following code :-

```

<!-- navbar -->
<nav class="navbar navbar-expand-lg " style="background-
color: #fd4756;height: 5em; " >
    <div class="nav -content">

        <a class="navbar-brand" href="index.php">

            </
a>

        <div class="collapse navbar-collapse" id="navbarNavDropdown">
            <ul class="navbar-nav" style="margin-left: 53em;">

                <li class="nav-item active">
                    
                </li>

                <li class="nav-item active" >
                    <a class="nav-link" style="color: #fff;margin-
top: 0.4em;" href="#">Help <span class="sr-only">(current)</span></a>
                </li>

                <li class="nav-item active">
                    
                </li>

```

```

        <li class="nav-item active">
            <a class="nav-link" style="color: #fff;margin-
top: 0.3em;" href="addrecipe.php">Add Recipes</a>
        </li>
<?php if(!isset($_SESSION["email"])){ ?>
    <li style="margin-top: 0.5em;">
        <a href="login.php" class="btn btn-outline-light my-sm-0"
            style="height:2.6em;margin-
left: 1.5em;" type="submit">Sign in</a>
    </li>
    <li style="margin-top: 0.5em;">
        <a href="registration.php" class="btn btn-outline-
light my-2 my-sm-0"
            style="height:2.6em;margin-
left: 1.5em;" type="submit">Sign up</a>
    </li>
<?php } else { ?>
    <li class="dropdown" style="margin-top: 0.5em;">
        <a class="btn btn-outline-light my-2 my-sm-
0" style="height:2.6em;margin-
left: 1.5em;" href="#" id="navbarDropdownMenuLink" data-
toggle="dropdown" aria-haspopup="true" aria-expanded="false">
            Profile
        </a>
        <div class="dropdown-menu" aria-
labelledby="navbarDropdownMenuLink">
            <a class="dropdown-
item" href="myrecipe.php">My Recipe</a>
            <a class="dropdown-
item" href="myingredientorder.php">My Orders</a>
            <a class="dropdown-
item" href="myfoodorder.php">My Food Orders</a>
        </div>
    </li>
    <li style="margin-top: 0.5em;">
        <a href="?logout=true" class="btn btn-outline-light my-
2 my-sm-0"
            style="height:2.6em;margin-
left: 1.5em;" type="submit">Logout</a>
    </li>
<?php } ?>
</ul>
</div>
</div>
</nav>

```

Apart from the navbar link there are also other links as follows :-

1. JavaScript:

```
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKA1Zap3H66lZ81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUt0Bvf08shuf57BaghqFfPLYxoFvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.2.1/owl.carousel.js"></script>
```

2. CSS:

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/assets/owl.carousel.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/assets/owl.theme.default.css">
```

3. Database:

```
include 'database/db.php';
```

## 5.3 Testing Approach

### 5.3.1 Unit Testing

Unit testing involves the testing of each unit or an individual component of the software application. It is the first level of functional testing. The aim behind unit testing is to validate unit components with its performance. A unit is a single testable part of a software system and tested during the development phase of the application software. The purpose of unit testing is to test the correctness of isolated code. A unit component is an individual function or code of the application. White box testing approach used for unit testing and usually done by the developers. Whenever the application is ready and given to the Test engineer, he/she will start checking every component of the module or module of the application independently or one by one, and this process is known as Unit testing or components testing. In a testing level hierarchy, unit testing is the first level of testing done before integration and other remaining levels of the testing.

Login page:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0,shrink-to-fit=no">
    <title>Login</title>

    <?php
    include 'database/db.php';

    session_start();

    if(isset($_POST['login']))
    {
        $email=$_POST['email'];
        $password=$_POST['password'];
        login($email,$password);
    }

    if(isset($_GET['logout'])){
        session_destroy();
        header("location:login.php");
    }

    if(isset($_SESSION["email"]))
    {
        header("location: index.php");
    }
}
```

```

?>

<!-- font -->
<link href="https://fonts.googleapis.com/css2?family=Courgette&family=Mar
el+Sans:wght@300;400&display=swap" rel="stylesheet">
<a href="https://icons8.com/icon/114329/share-3"></a>
<!-- CSS BOOTSTRAP -->
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.
2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KgB8thSsNjpsL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin=
"anonymous">

<!-- css -->
<link rel="stylesheet" href="import/login.css">

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

</head>
<body>

<div class="app" style="margin-top: 5em;">

<div class="bg"></div>

<form action="" method="POST">
<header>
<a href="index.php"></a>
</header>

<div class="inputs">
<input type="text" name="email" placeholder="email">
<input type="password" name="password" placeholder="password">

<p class="light" style="margin-
right: 5em;"><a href="#">Forgot password?</a></p>
</div>
<button class="mt-4" name="login" >Login</button>
</form>

<footer>

<p>Don't have an account? <a href="registration.php">Sign Up</a></p>
>

</footer>

```

```
</div>

</body>
</html>
```

Unit Testing in this website is done on the Login Page.

Now, we will start performing the unit testing on the different components such as

1. Email text field
2. Password text field
3. Login Button

For the Email text field component:

Name	Description
example@mail.com	Accept
Example or username	Does not accept
blank	Error Message – Enter a Value
Same as password	Does not accept

For the password text field component:

Name	Description
Password stored in database corresponding to the respective email id	Accept
Blank	Error Message – Enter a Value
Same as email id	Does not accept

For the Login button component:

- Enter valid Email Id
- Enter valid Password
- Click on the Login button→ Login successful

### 5.3.2 Integrated Testing

Integration testing is the second level of the software testing process comes after unit testing. In this testing, units or individual components of the software are tested in a group. The focus of the integration testing level is to expose defects at the time of interaction between integrated components or units.

Unit testing uses modules for testing purpose, and these modules are combined and tested in integration testing. The Software is developed with a number of software modules that are coded by different coders or programmers. The goal of integration testing is to check the correctness of communication among all the modules. Brings all the modules together into a special testing environment, then checks for errors, bugs and interoperability. It deals with tests for the entire application. Application limits and features are tested here.

#### 1. Login Test Scenario :-

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Enter Valid Email-id and password	1.Enter valid Email-id 2.Enter valid password 3.Press the Login Button	Email: <a href="mailto:example@mail.com">example@mail.com</a> Password: 1234567890	Redirect to Index Page	Redirected to Index Page	Pass
2	Enter Invalid Email-id and valid password	1.Enter invalid Email-id 2.Enter valid password 3.Press the Login Button	Email: examplemailcom Password: 1234567890	Popup Box: Login unsuccessful	Popup Box: Login unsuccessful	Pass
3	Enter valid Email-id and invalid password	1.Enter valid Email-id 2.Enter invalid password	Email: example@mail.com Password: 123	Popup Box: Login unsuccessful	Popup Box: Login unsuccessful	Pass

		3.Press the Login Button				
4	Enter invalid Email-id and invalid password	1.Enter invalid Email-id 2.Enter invalid password 3.Press the Login Button	Email: examplemailcom Password: 1234	Popup Box: Login unsuccessful	Popup Box: Login unsuccessful	Pass

Table 5.1 Test Scenario 1

### 5.3.3 Beta Testing

Beta testing is a type of User Acceptance Testing among the most crucial testing, which performed before the release of the software. Beta Testing is a type of Field Test. This testing performs at the end of the software testing life cycle. This type of testing can be considered as external user acceptance testing. It is a type of salient testing. Real users perform this testing. This testing executed after the alpha testing. In this the new version, beta testing is released to a limited audience to check the accessibility, usability, and functionality, and more. Beta testing is the last phase of the testing, which is carried out at the client's or customer's site.



## 5.4 Modifications and Improvements

There were no major issues found in the program, but there were certain problems with the popup box. This testing helped us find the smallest of the bugs and improve the system for better performance. Before the testing once the popup appeared then there was a code error getting displayed on top of the page, but now it has been fixed.

The button was also not working always it is also solved and improved. Now the button functions every time it is clicked.

## 5.5 Test Cases

1. Signup Test Scenario: -

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Enter valid First name, Last name, username, phone number, Email, password and confirm password	1.Enter First name 2.Enter Last name 3.Enter username 4.Enter phone number 5.Enter Email 6.Enter password 7.Enter Confirm password	First name: Hello Last name: World Username: Hello12 Phone number: 7346583984 Email: <a href="mailto:helloworld@mail.com">helloworld@mail.com</a> Password: world123 Confirm Password: world123	Redirect to Login Page	Redirected to Login Page	Pass
2	Leave the First name text field blank and enter valid Last name, username, phone number, Email, password and	1.Leave First name blank 2.Enter Last name 3.Enter username 4.Enter phone number 5.Enter	First name: _____ Last name: World Username: Hello12 Phone number: 7346583984 Email: helloworld@mail.com Password: world123 Confirm Password: world123	Error Message: Please Fill Out this field	Error Message: Please Fill Out this field	Pass

	confirm password	Email 6.Enter password 7.Enter Confirm password				
3	Leave the last name text field blank and enter valid First name, username, phone number, Email, password and confirm password	1.Enter First name 2.Leave Last name blank 3.Enter username 4.Enter phone number 5.Enter Email 6.Enter password 7.Enter Confirm password	First name: Hello Last name: _____ Username: Hello12 Phone number: 7346583984 Email: helloworld@mail.com Password: world123 Confirm Password: world123	Error Message: Please Fill Out this field	Error Message: Please Fill Out this field	Pass
4	Leave the username text field blank and enter valid First name, Last name, phone number, Email, password and confirm password	1.Enter First name 2.Enter Last name 3.Leave username blank 4.Enter phone number 5.Enter Email 6.Enter password 7.Enter Confirm password	First name: Hello Last name: World Username: _____ Phone number: 7346583984 Email: helloworld@mail.com Password: world123 Confirm Password: world123	Error Message: Please Fill Out this field	Error Message: Please Fill Out this field	Pass
5	Leave the	1.Enter	First name: Hello	Error	Error	Pass

	phone number text field blank and enter valid First name, Last name, username, Email, password and confirm password	First name 2.Enter Last name 3.Enter username 4.Leave phone number blank 5.Enter Email 6.Enter password 7.Enter Confirm password	Last name: World Username: Hello12 Phone number: ____ Email: helloworld@mail.com Password: world123 Confirm Password: world123	Message: Please Fill Out this field	Message: Enter Please Fill Out this field	
6	Leave the Email text field blank and enter valid First name, Last name, username, phone number, password and confirm password	1.Enter First name 2.Enter Last name 3.Enter username 4.Enter phone number 5.Leave Email blank 6.Enter password 7.Enter Confirm password	First name: Hello Last name: World Username: Hello12 Phone number: 7346583984 Email: _____ Password: world123 Confirm Password: world123	Error Message: Please Fill Out this field	Error Message: Please Fill Out this field	Pass
7	Leave the password text field blank and enter valid First name, Last name, username, phone number,	1.Enter First name 2.Enter Last name 3.Enter username 4.Enter phone number	First name: Hello Last name: World Username: Hello12 Phone number: 7346583984 Email: <a href="mailto:helloworld@mail.com">helloworld@mail.com</a> Password: _____ Confirm Password:	Error Message: Please Fill Out this field	Error Message: Please Fill Out this field	Pass

	username and confirm password	5.Enter Email 6.Leave password blank 7.Enter Confirm password	world123			
8	Leave the confirm password text field blank and enter valid First name, Last name, username, phone number, username and password	1.Enter First name 2.Enter Last name 3.Enter username 4.Enter phone number 5.Enter Email 6.Enter password 7.Leave Confirm password blank	First name: Hello Last name: World Username: Hello12 Phone number: 7346583984 Email: <a href="mailto:helloworld@mail.com">helloworld@mail.com</a> Password: world123 Confirm Password: _____	Error Message: Please Fill Out this field	Error Message: Please Fill Out this field	Pass
9	Enter valid First name, Last name, username, phone number, Email, password and Enter different confirm password	1.Enter First name 2.Enter Last name 3.Enter username 4.Enter phone number 5.Enter Email 6.Enter password 7.Enter a different Confirm password	First name: Hello Last name: World Username: Hello12 Phone number: 7346583984 Email: <a href="mailto:helloworld@mail.com">helloworld@mail.com</a> Password: world123 Confirm Password: hello123	Error Message: Password does not match	Error Message: Password does not match	Pass

10	Enter invalid Email. Enter valid First name, Last name, username, phone number, password and Enter confirm password	1.Enter First name 2.Enter Last name 3.Enter username 4.Enter phone number 5.Enter invalid Email 6.Enter password 7.Enter Confirm password	First name: Hello Last name: World Username: Hello12 Phone number: 7346583984 Email: number: Password: world123 Confirm Password: world123	Error message: Enter a Valid Email	Error message: Enter a Valid Email	Pass
11	Enter already existing Email id and enter valid First name, Last name, username, phone number, password and confirm password	1.Enter First name 2.Enter Last name 3.Enter username 4.Enter phone number 5.Enter already existing Email id 6.Enter password 7.Enter Confirm password	First name: Hello Last name: World Username: Hello12 Phone number: 7346583984 Email: <a href="mailto:nidhigatti26@gmail.com">nidhigatti26@gmail.com</a> Password: world123 Confirm Password: world123	Error Message: Email already exists	Error Message: Email already exists	Pass

Table 5.2 Test Scenario 2

## 2.Add Recipes Test Scenario:

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Login and click on Add recipes tab.	1.Enter valid Email-id 2.Enter valid password 3.Press the Login Button 4. Click on Add recipes tab	Email: <a href="mailto:helloworld@mail.com">helloworld@mail.com</a> Password: world123	Open Add recipes Form	Opened Add recipes Form	Pass

2	Click on Add recipes tab, without login	1. Click on Add recipes tab	Valid URL	Redirect to Login Form	Redirect to Login Form	Pass
3	Login, click on Add recipes tab and enter all the required data	1. Enter valid Email-id 2. Enter valid password 3. Press the Login Button 4. Click on Add recipes tab 5. Enter Name 6. Enter YouTube link 7. Enter Price 8. Choose category 9. Choose 1st image 10. Choose 2nd Image 11. Choose 3rd image 12. Enter Dish Information	Name: French Toast YouTube Link: <a href="https://www.youtube.com/watch?v=r1ZLSbQ0r0I">https://www.youtube.com/watch?v=r1ZLSbQ0r0I</a> Price: 300 Select Category: Breakfast Choose File: img1.jpg Choose File: img2.jpg Choose File: img3.jpg Info on the recipe: French toast is a dish made of sliced bread soaked in beaten eggs and typically milk, then pan fried. ... When French toast is served as a sweet dish, milk, sugar, vanilla or cinnamon are also commonly added before pan-frying, and then it may be topped with sugar (often powdered sugar), butter, fruit, or syrup. Direction: In a small bowl, combine cinnamon, nutmeg, and sugar and set aside briefly. In a 10-inch or 12-inch skillet, melt butter over medium heat. Whisk together cinnamon mixture, eggs, milk, and vanilla and pour into a shallow container such as a pie plate. Dip bread in egg mixture. Fry slices until golden brown, then flip to cook the other side. Serve with syrup.	Open Add ingredients form	Open Add ingredients form	Pass

		ion 13.Enter Directio n				
4	Login, click on Add recipes tab, enter all the required data and ingredie nts	1.Enter valid Email-id 2.Enter valid passwor d 3.Press the Login Button 4. Click on Add recipes tab 5.Enter Name 6.Enter YouTub e link 7.Enter Price 8.Choos e category 9.Choos e 1st image 10.Choo se 2nd Image 11.Choo se 3rd image 12.Enter Dish Informat ion 13.Enter	Textbox 1: ground cinnamon 1 teaspoon Textbox 2: ground nutmeg 1/4 teaspoon Textbox 3: sugar 2 tablespoons Textbox 4: butter 4 tablespoons Textbox 5: eggs 4 Textbox 6: milk 1/4 cup Textbox 7: vanilla extract 1/2 teaspoon Textbox 8: challah, brioche, or white bread 8 slices Textbox 9: maple syrup, warmed 1/2 cup	Redirec t to Home Page	Redirec t to Home Page	Pass



		Direction 14.Click on Add more button 15.Enter required ingredients				
--	--	---	--	--	--	--

Table 5.3 Test Scenario 3

### 3.Order Food Test scenario:

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Login and place order	1.Enter valid Email-id 2.Enter valid password 3.Press the Login Button 4.Click on order button 5. Enter quantity	Email: helloworld@mail.com Password: world123 Quantity: 2	Redirect to my food orders page	Redirect to my food orders page	Pass
2	Place order without login	1.Click on order button	Valid URL	Redirect to Login Page	Redirect to Login Page	Pass

Table 5.4 Test Scenario 4

#### 4.Order Ingredients Test scenario:

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Login and place ingredients order	1.Enter valid Email-id 2.Enter valid password 3.Press the Login Button 4.Click on recipe button 5. Click on view recipe button 6.Click on view shop ingredients button 7.Enter Quantity	Email: <a href="mailto:helloworld@mail.com">helloworld@mail.com</a> Password: world123 Quantity: 2	Redirect to my orders page	Redirect to my orders page	Pass
2	Place Ingredients order without login	1.Click on recipe button 2. Click on view recipe button 3.Click on view shop ingredients button	Valid URL	Redirect to Login Page	Redirect to Login Page	Pass
3	Place ingredients order and cancel the order	1.Click on recipe button 2. Click	Valid URL	Pop up box: Order Deleted Successfull	Pop up box: Order Deleted Successfull	Pass

	before status changes to 'order delivered'	on view recipe button 3.Click on view shop ingredients button 4.Click on cancel button 5.press Ok		y	y	
--	--	--	--	---	---	--

Table 5.5 Test Scenario 5

5.Admin Login Test Scenario: -

Test Case ID	Test Case Description	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Enter Valid Email-id and password	1.Enter valid Email-id 2.Enter valid password 3.Press the Login Button	Email: <a href="mailto:admin@mail.com">admin@mail.com</a> Password: admin123456	Redirect to Index Page	Redirected to Index Page	Pass
2	Enter Invalid Email-id and valid password	1.Enter invalid Email-id 2.Enter valid password 3.Press the Login Button	Email: adminmailcom Password: admin123456	Popup Box: Login unsuccessful	Popup Box: Login unsuccessful	Pass
3	Enter valid Email-id and invalid password	1.Enter valid Email-id 2.Enter invalid password	Email: admin@mail.com Password: admin12	Popup Box: Login unsuccessful	Popup Box: Login unsuccessful	Pass

		3.Press the Login Button				
4	Enter invalid Email-id and invalid password	1.Enter invalid Email-id 2.Enter invalid password 3.Press the Login Button	Email: adminmail.com Password: admin123	Popup Box: Login unsuccessful	Popup Box: Login unsuccessful	Pass

Table 5.6 Test Scenario 6

# Chapter 6: Results and Discussions

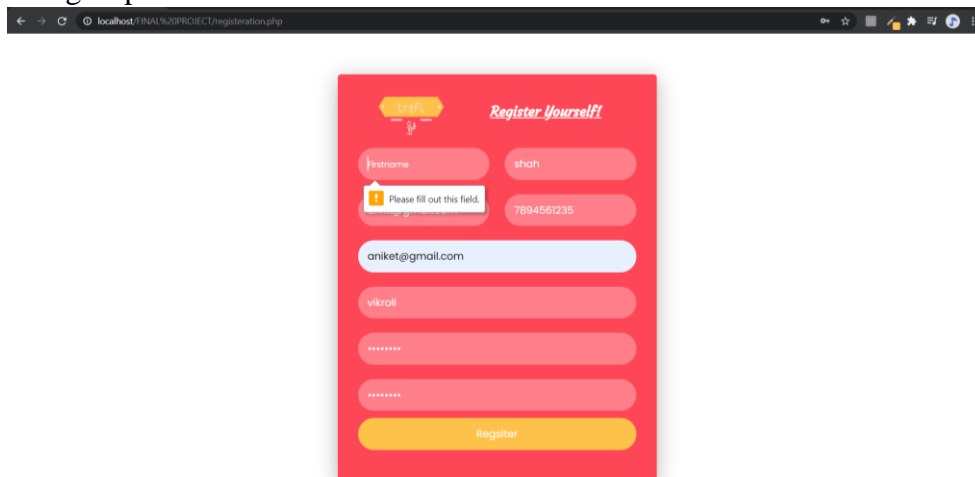
## 6.1 Test Reports


### 1. Login Form



If the user enters incorrect email or password, then the above “Login unsuccessful” pop up will appear.

### 2. Sign-up Form





**Register Yourself!**

Firstname

Lastname

Username

Phone number

Email

Please Enter a Valid Email ID


address

Password

Confirm Password

Password does not match

Regsiter



**Register Yourself!**

Firstname

Lastname

Username

Phone number

Email

Email ID already exists

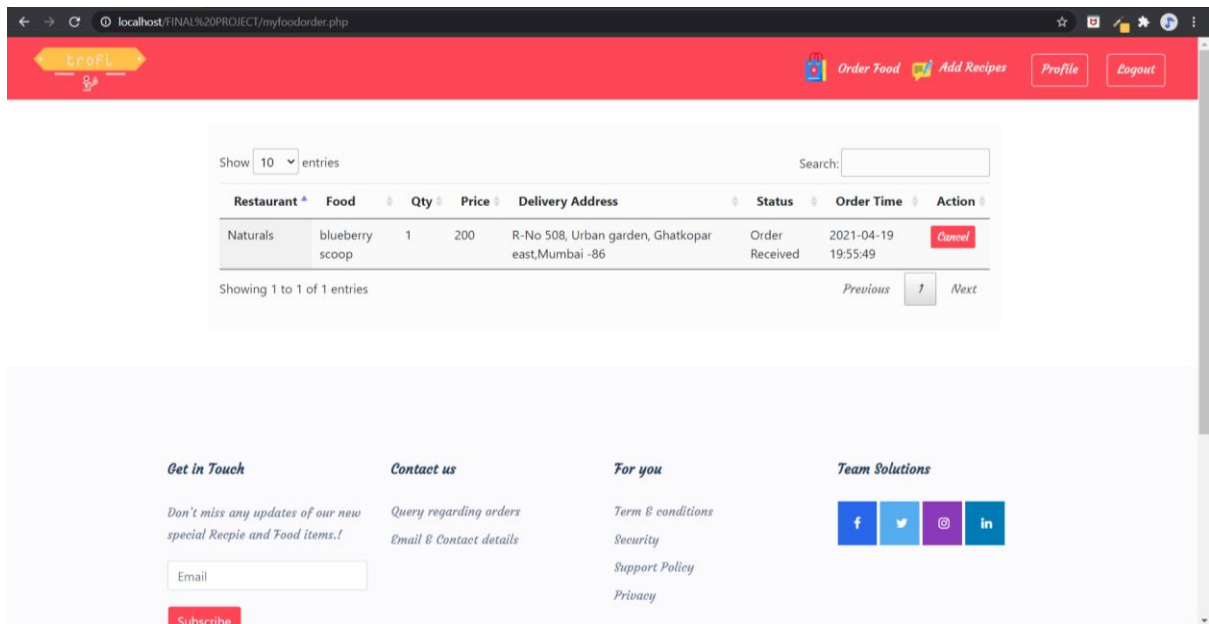
address

Password

Confirm Password

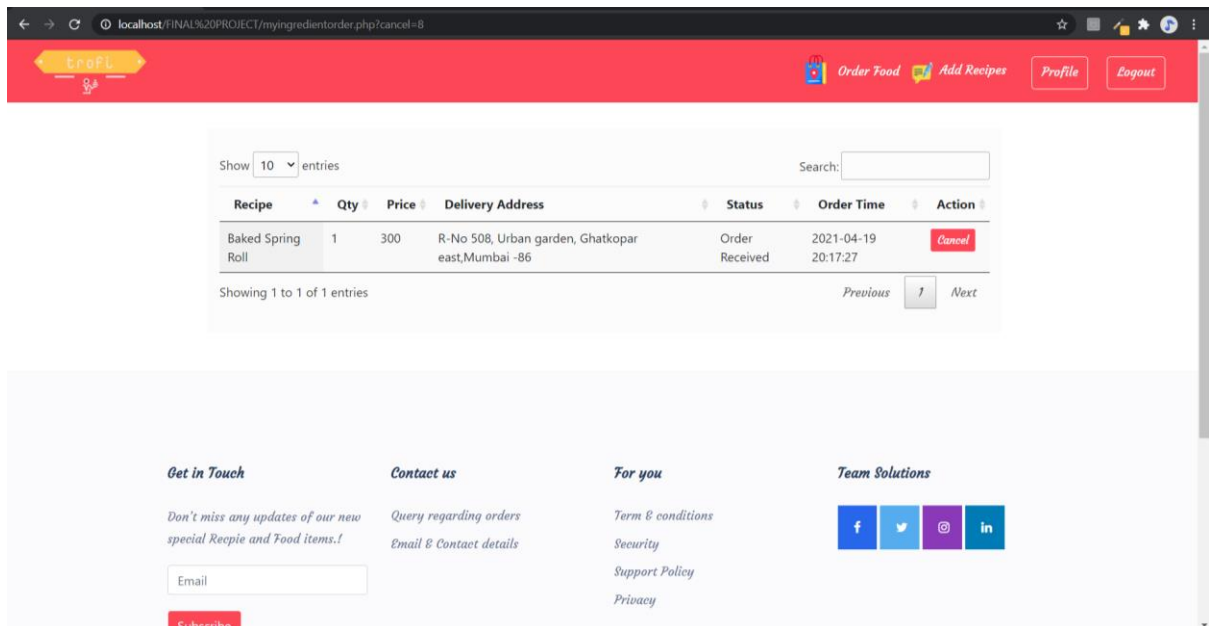
Regsiter

### 3. Order Food



This window appears when the Food order is placed and if the user tries to place the Order without getting logged in, then he will be directed to the login form.

## 4. Order Ingredients



localhost/FINAL%20PROJECT/myingredientorder.php?cancel=8

Show 10 entries Search:

Recipe	Qty	Price	Delivery Address	Status	Order Time	Action
Baked Spring Roll	1	300	R-No 508, Urban garden, Ghatkopar east, Mumbai -86	Order Received	2021-04-19 20:17:27	Cancel

Showing 1 to 1 of 1 entries Previous 1 Next

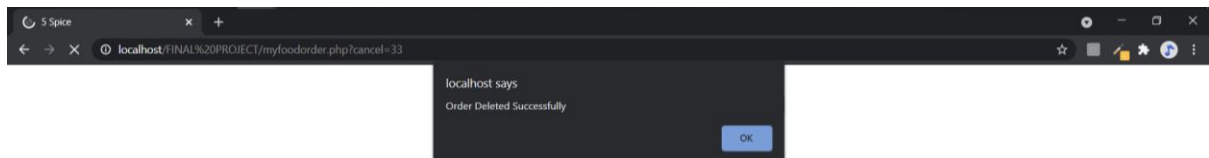
**Get in Touch**  
Don't miss any updates of our new special Recipe and Food items.  
Email  
Subscribe

**Contact us**  
Query regarding orders  
Email & Contact details

**For you**  
Term & conditions  
Security  
Support Policy  
Privacy

**Team Solutions**  
f t i in

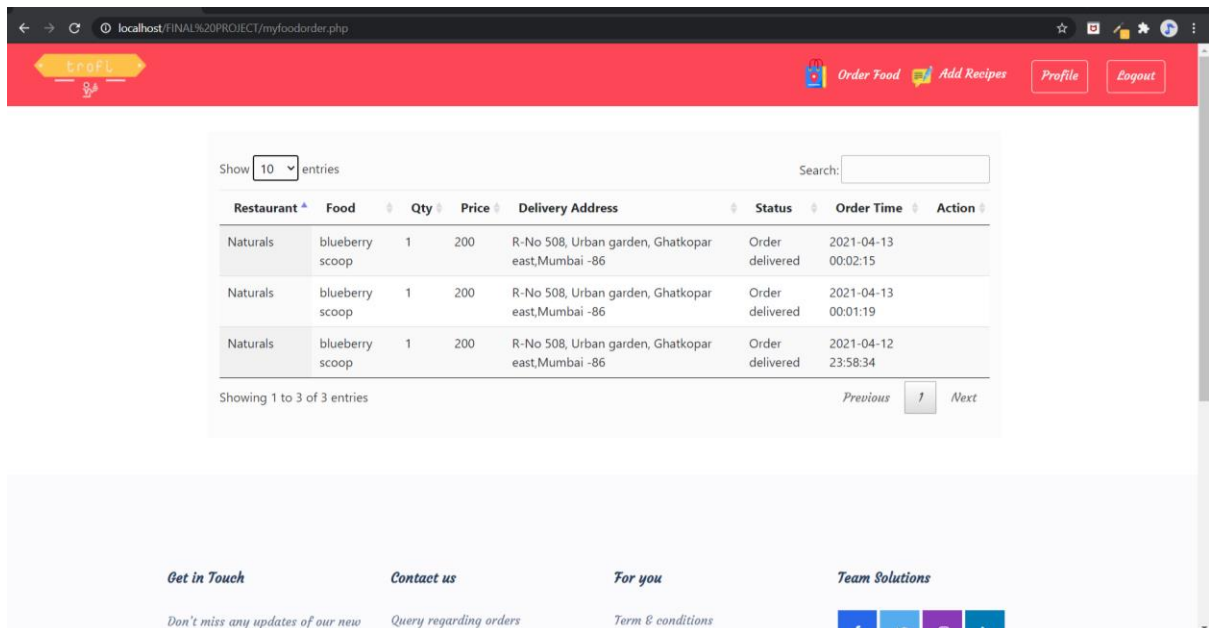
Same for ordering recipe ingredients the user can't order without logging in, if he tries to order then he will be redirected to the login page. Here while ordering the user can change the quantity according to the number of people.



localhost says  
Order Deleted Successfully  
OK

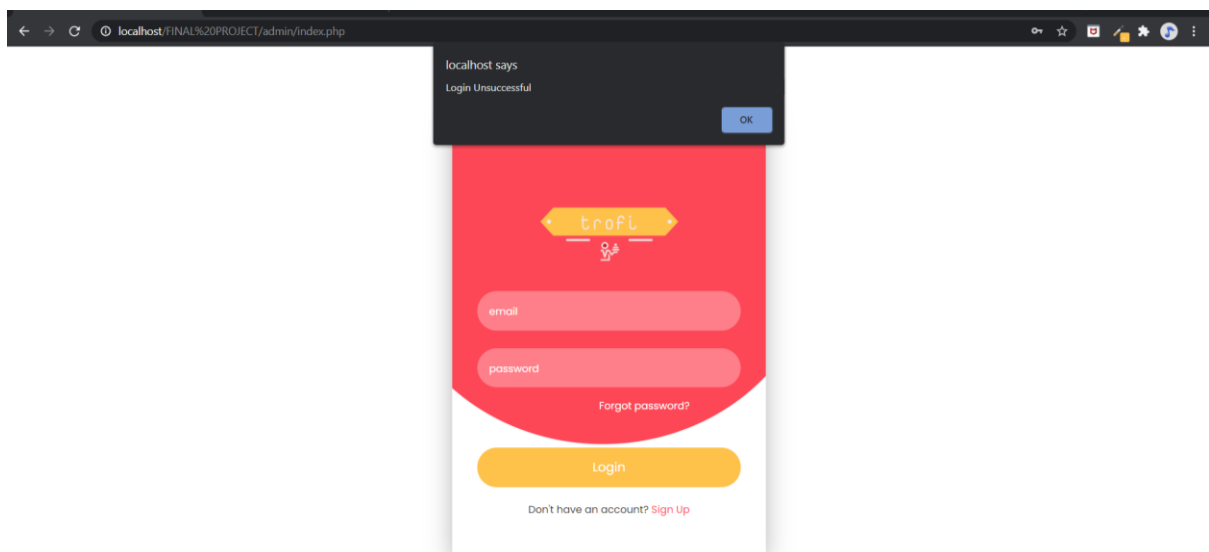
localhost/FINAL%20PROJECT/myfoodorder.php?cancel=33





On clicking on cancel button, the user can cancel the order and if the order status changes to “Order delivered”, then he cannot cancel the order.

## 5. Admin Login



## 6.2 User Documentation

Trofi can be used in to order food, order ingredients and also if you are interested in cooking then you can simply refer someone's recipe or you can also upload your own recipe and share it with others.

The major functions of this system are:

- Home page:

This is the main page of the website. On this page itself user can see all the main functionalities. The user will have to login to the website to get access to all features, otherwise he will be directed to the login page again and again.

- Login Page:

The login page is same for all kinds of users. User has to fill the valid Email and password in-order to get logged in.

- Register:

If the user is new to the website then he should get himself/herself get registered to the website. Based on the information submitted here, then the user will be able to login to the website. All the details should be valid.

- Add Recipes:

Once the user registers and gets logged in, he will be landed on the home page as shown earlier. Here on the top, there is a red colour Navbar with add recipe tab. If the user wants to share his recipe with other then it can be done from here. In this form the user will fill all the basic food descriptions like category, price, etc. After clicking on the add button another form will be opened, here the user will have to enter the required ingredients for the respective recipe. After the submission of this form then the user will be directed to the Home page. In My recipes section the user can see all the recipes uploaded by him / her.

- Recipe:

The user can view recipes and order ingredients from this page. User will be able to see recipes uploaded by the other users, only if it is approved by the chef. If he wishes to order ingredients then user has to click on the shop ingredients button and then enter the amount of quantity and the order is placed. The user can view the ingredients order history in the My orders page which is located in the profile section of the navbar.

- Order food:

The user can order food by clicking the card of order food, here the user can either search his / her dish, cuisine or even restaurant. Once the user finds the desired item they have to order food and enter quantity needed. The history of this can be seen in my food orders section in the profile part of the navbar.

# CHAPTER 7: CONCLUSION

## 7.1 Conclusion

### 7.1.1 Significance of the System

- Trofi will give access to many users.
- It will allow them to upload as many recipes as they wish to.
- The system has been designed for the user friendliness and as per their needs. Trofi is easy to used and learn.
- User can view the recipes, order food and order ingredients from anywhere with internet access.
- The restaurant owners can alter their menu as per the needs.

### 7.2 Limitations of the system

- Speed of the system depends on the computer processor, RAM and the internet connection.
- There is no online payment for orders placed process.
- The user is not notified if the order is delivered, they have to check the status by visiting the website.
- The website cannot be handled by one admin alone, but assures quality content on the website.
- There are no discounts available.

### 7.3 Future Scope of the Project

- Uses might be notified about the food delivery.
- Payment methods can be upgraded in the future.
- Configuration features can be changed according to user's requirements.
- The admin part might be handled by multiple users and also a single admin in-case of emergency.
- Offers might also be introduced.

# References

- [https://www.tutorialspoint.com/php/create\\_mysql\\_database\\_using\\_php.htm](https://www.tutorialspoint.com/php/create_mysql_database_using_php.htm)
- <https://www.javatpoint.com/php-operators>
- <https://www.youtube.com/watch?v=acUtbTXLtmo>