

# Restaurant Management System



LJ Institute of Computer Applications

**Group Number: 04**

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# L.J. SCHOOL OF COMPUTER APPLICATIONS

Near Nagdev Kalyan Mandir, Near Sanand Cross Road, Sarkhej Gandhinagar  
Highway Ahmedabad - 382210  
Ph. No.: 9099063417



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This is to certify that Ms. Aliya Patel of Master of Science in Information Technology(Integrated), Semester III, Roll No (C)04 has satisfactorily completed his/her Project titled Taste Fusion in under the supervision of Prof. Maya Pandya and Prof. Alpa Dhandhukiya .

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# L.J. SCHOOL OF COMPUTER APPLICATIONS

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# L.J. SCHOOL OF COMPUTER APPLICATIONS

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**HOD:**

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Date of Submission:

## **PLAGIARISM DECLARATION**

### **To whomsoever it may concern**

I/We, the project team, confirm that this assignment is my/our own work, and is not copied from anywhere, and has not previously submitted for assessment either at University or somewhere else. I/We confirm that I/We have read and understood the rules and regulations on plagiarism in GTU.

Date:

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## **1.Introduction**

In today's rapidly evolving restaurant industry, efficient management is paramount for success. A Restaurant Management System (RMS) offers a comprehensive solution to streamline operations, enhance customer experiences, and drive profitability. This RMS provides restaurant owners and managers with the tools they need to optimise workflows, manage inventory, streamline reservations, and analyse business performance. With its intuitive interface and advanced features, the RMS enables restaurants to stay ahead in today's competitive landscape, delivering exceptional service and driving long-term success.

This introduction sets the stage for the importance of a restaurant management system and highlights the benefits to achieve operational efficiency and enhance customer satisfaction.

### **1.1 Existing System: -**

Reservation Management  
Menu Management  
Order Management  
Billing and Payment  
Customer Feedback

### **1.2 Need for new system: -**

The need for a new restaurant management system arises from several key factors:

1. **Outdated Technology:** Our current system lacks modern features and functionalities, hindering operational efficiency and limiting our ability to meet customer expectations.
2. **Inefficient Processes:** Manual and disjointed processes result in inefficiencies, such as delays in order processing, inventory inaccuracies, and difficulty in managing reservations.
3. **Customer Expectations:** Customers increasingly expect seamless and convenient experiences, such as online ordering, table reservations, and personalised services, which our current system fails to deliver.
4. **Competitive Landscape:** To stay competitive in the industry, we need a system that enables us to innovate, adapt to changing market trends, and differentiate ourselves from competitors.
5. **Data Insights:** The lack of robust analytics and reporting capabilities prevents us from gaining valuable insights into our business performance, customer preferences, and operational bottlenecks.
6. **Scalability:** As our business grows, our current system may struggle to handle increasing demands and complexities. A new system is needed to support our expansion plans and ensure scalability.

### **1.3 Objective of the New System: -**

The primary objective of implementing a new restaurant management system is to modernise and enhance our operational capabilities to meet the evolving needs of our business and customers. Specifically, the new system aims to achieve the following:

1. **Streamlined Operations:** Implementing a more efficient and integrated system to streamline various aspects of restaurant operations, including order management, inventory control, table reservations, and employee scheduling.
2. **Enhanced Customer Experience:** Improving the overall dining experience by providing customers with seamless and convenient services, such as online reservations, quick order processing, and personalised interactions.



**3. Improved Inventory Management:** Enhancing inventory management processes to optimise stock levels, reduce wastage, and ensure timely replenishment of supplies, ultimately leading to cost savings and improved profitability.

**4. Data-Driven Decision Making:** Leveraging advanced analytics and reporting capabilities to gain valuable insights into sales trends, customer preferences, and operational performance, enabling data-driven decision-making and strategic planning.

**5. Increased Employee Efficiency:** Empowering staff with user-friendly tools and automated processes to enhance productivity, minimise errors, and improve communication between front-of-house and back-of-house teams.

**6. Scalability and Flexibility:** Building a scalable and flexible system architecture that can adapt to the changing needs of our business as we grow, while also accommodating future technological advancements and industry trends.

**1.4 Problem Definition:** - The current restaurant management system lacks modern features and struggles to meet the evolving needs of our business and customers. Manual processes, outdated technology, and disjointed systems result in inefficiencies, errors, and a subpar dining experience.

### **1.5 Core Components:**

- Login
- Register
- Logout
- Admin login
- Menu Management
- Payment Processing
- Food Cost Analysis
- Customer Feedback Management
- Order Management
- Table Reservations and Seating
- Employee Management

## **1.6 Project Profile: -**

**Project Title:** Taste Fusion

**Group Number:** 04

**Database:** MySQL

Made using PHP, CSS, HTML and JS.

## **1.7 Advantages and Limitations of the Proposed System:**

- **Advantages:**

1. **Improved Efficiency:** Streamlined processes and automation result in increased operational efficiency.
2. **Enhanced Customer Experience:** Features such as online reservations and personalised services elevate the dining experience.
3. **Optimised Inventory Management:** Better tracking and management of inventory levels lead to reduced waste and cost savings.
4. **Data-Driven Decision Making:** Advanced analytics provide valuable insights for informed decision-making and strategic planning.
5. **Increased Employee Productivity:** Simplified workflows and access to relevant information empower staff to work more efficiently.
6. **Scalability:** The system is designed to accommodate business growth and evolving needs over time.

- **Limitations:**

1. **Initial Implementation Costs:** The upfront investment required for development and implementation may be significant.
2. **Learning Curve:** Staff may require training to become proficient with the new system, leading to a temporary decrease in productivity.
3. **Dependence on Technology:** Technical issues or system downtime could disrupt operations and impact customer service.
4. **Integration Challenges:** Compatibility issues with existing systems or third-party integrations may arise.
5. **Data Security Concerns:** Safeguarding sensitive customer and business data against security breaches is crucial.
6. **Maintenance Requirements:** Ongoing maintenance and updates are necessary to ensure the system remains functional and up-to-date.

## **2.Requirement Determination & Analysis**

### **2.1 Requirement Determination:**

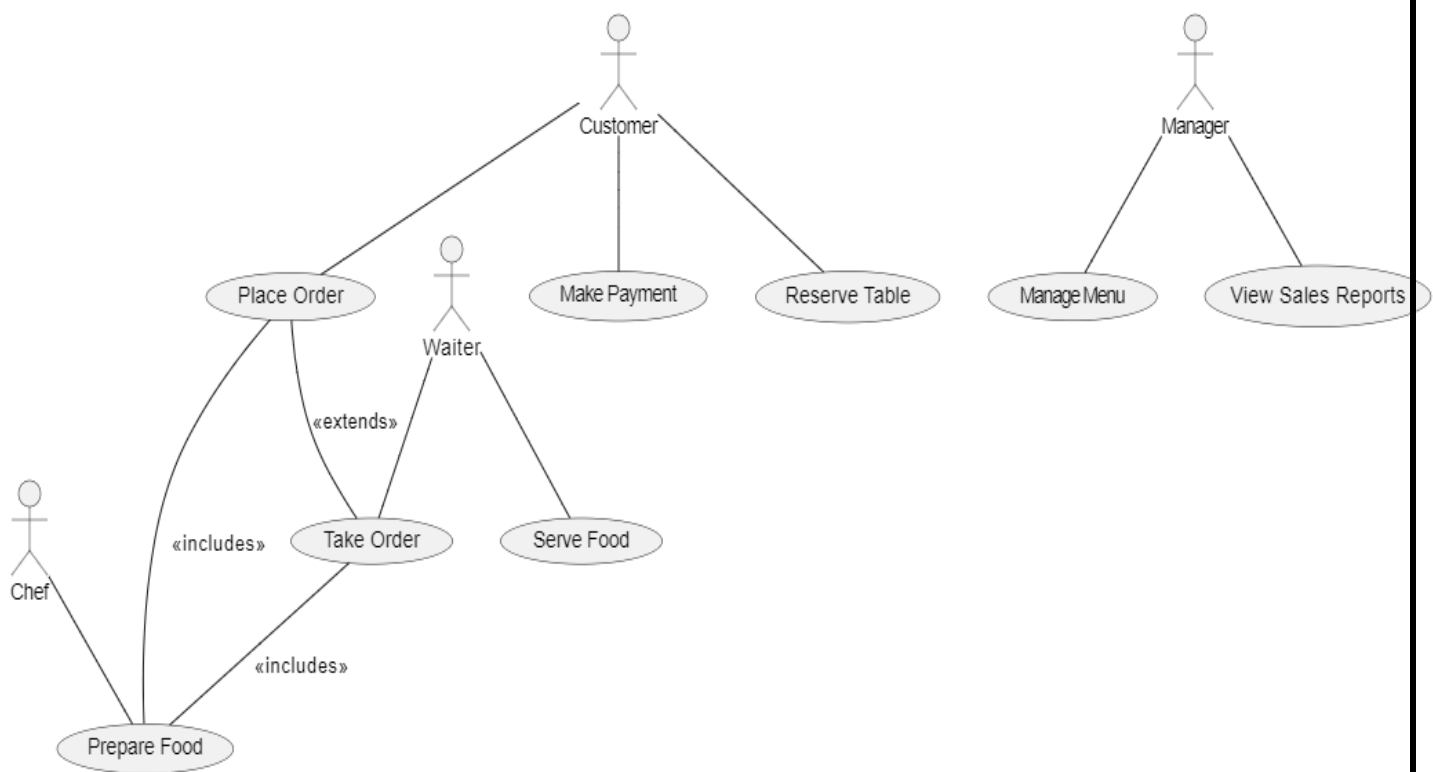
1. Define user roles and permissions.
2. Manage menu items with categories, descriptions, and prices.
3. Handle orders efficiently, including real-time updates on status.
4. Manage tables, reservations, and floor plans.
5. Track inventory levels, automate reordering, and manage recipes.
6. Schedule shifts, track performance, and manage payroll for employees.
7. Implement customer management features like loyalty programs and feedback collection.
8. Generate re Define user roles and permissions.
9. Manage menu items with categories, descriptions, and prices.
10. Handle orders efficiently, including real-time updates on status.

## 2.2 Targeted Users:

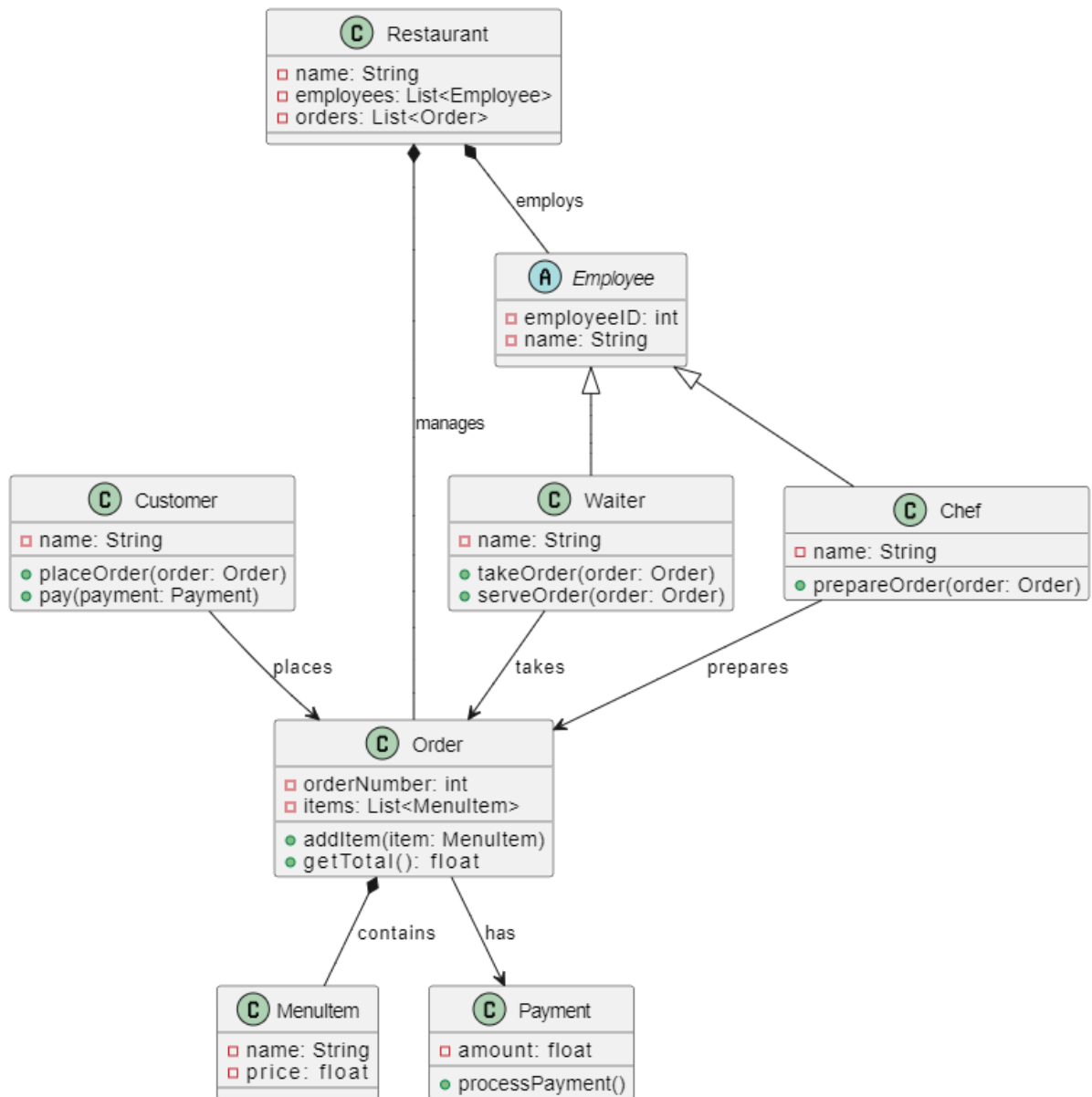
- Administrator
- Staff
- Customers

## 3.System Design

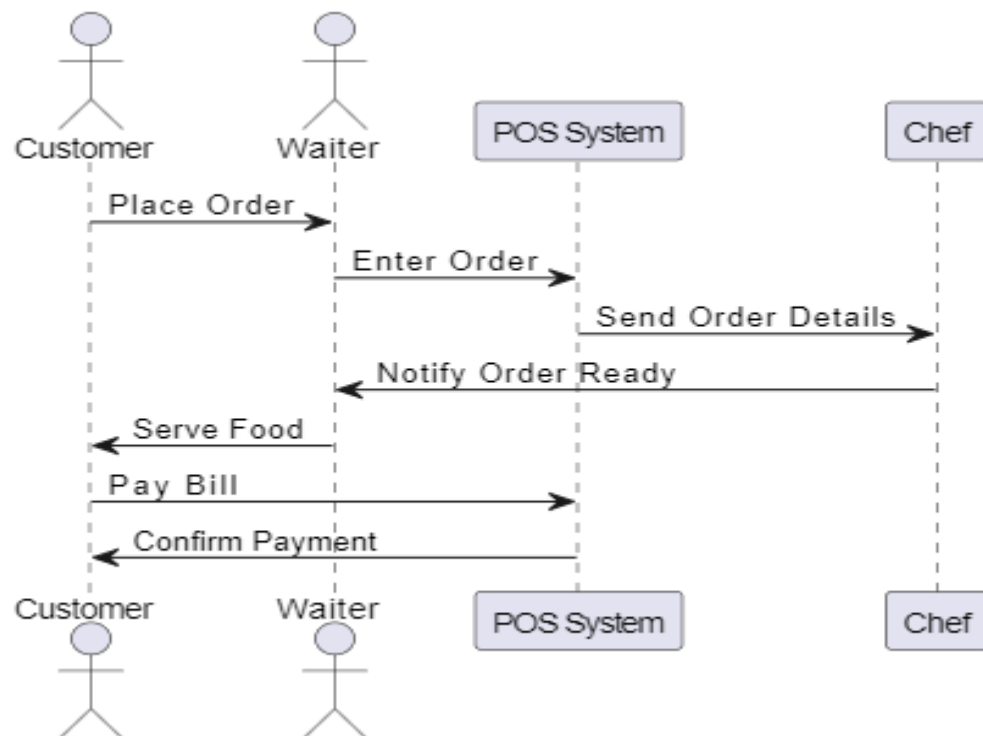
### 3.1 Use Case Diagram:



### 3.2 Class Diagram:

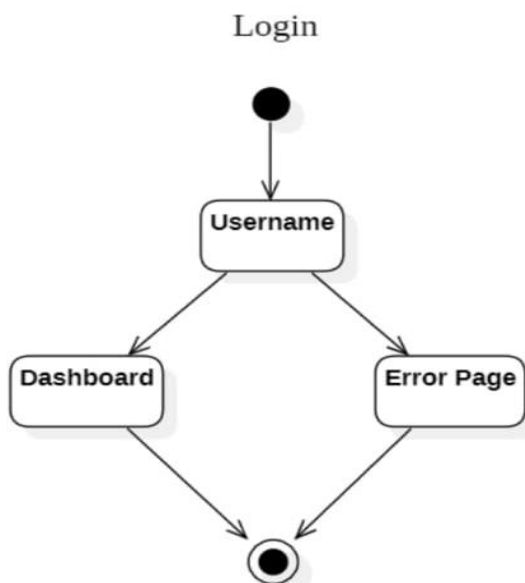


### 3.3 Sequence Diagram:

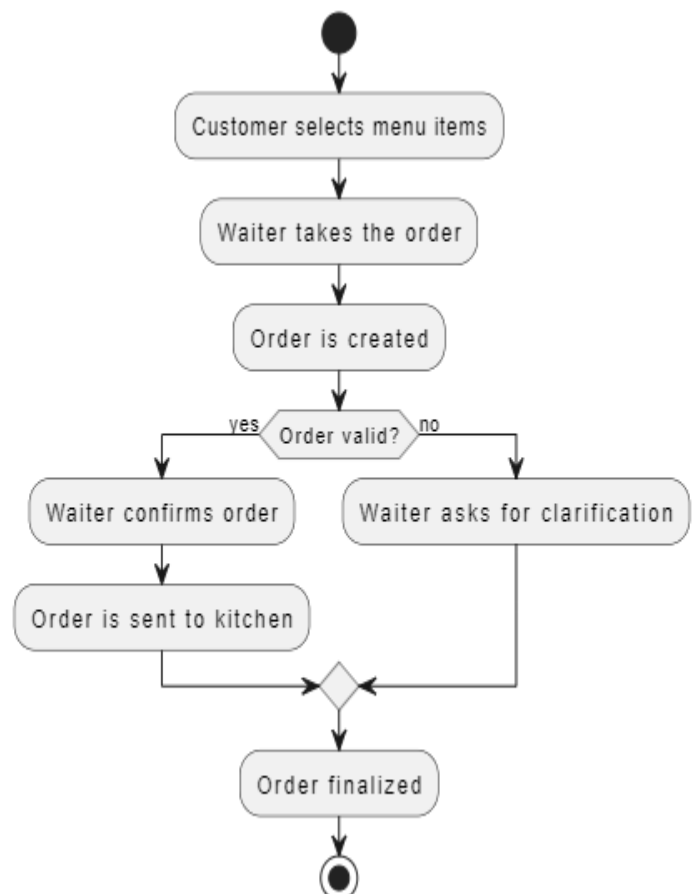


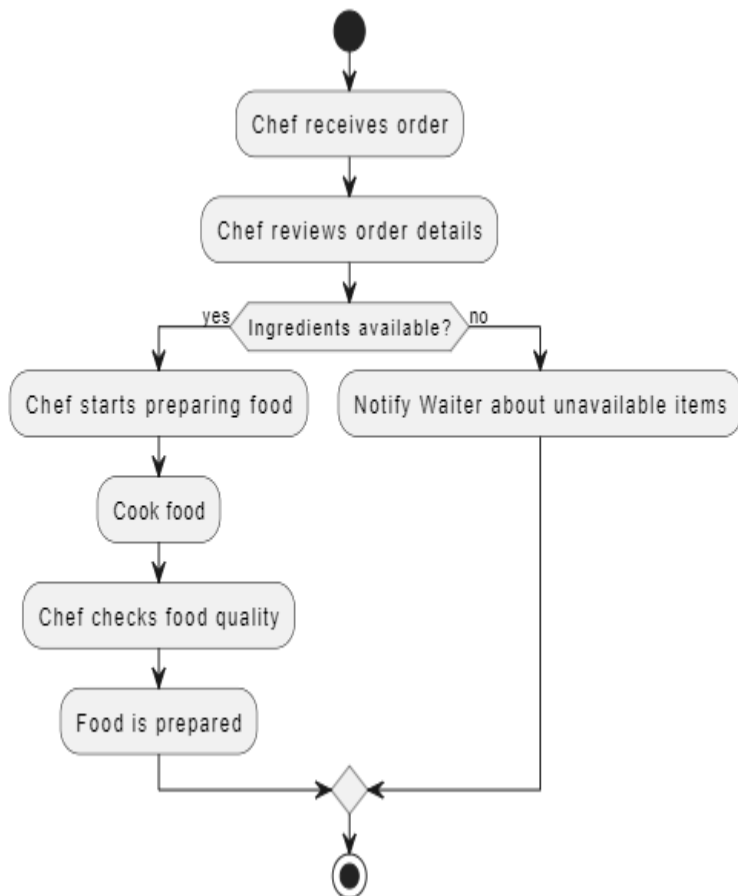
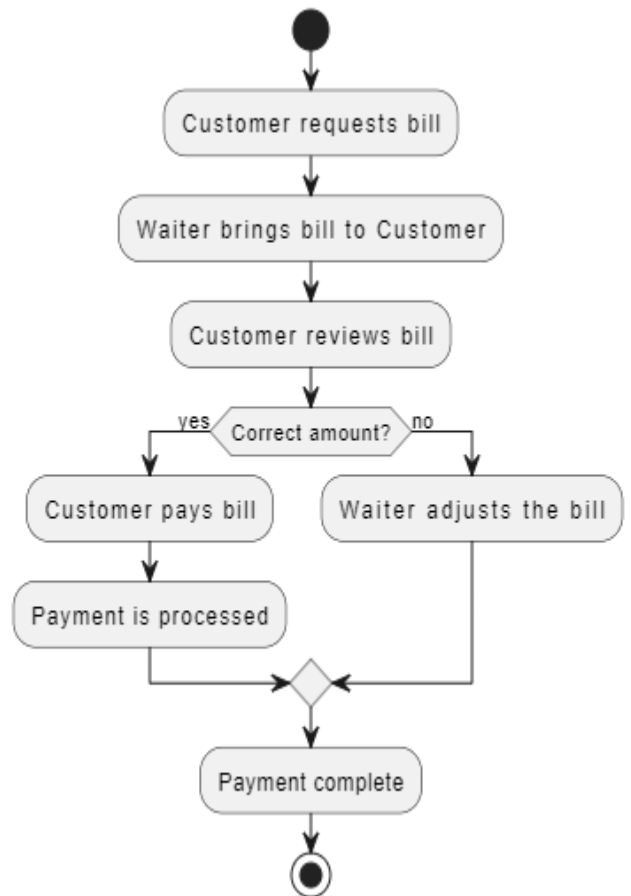
### 3.4 Activity Diagram:

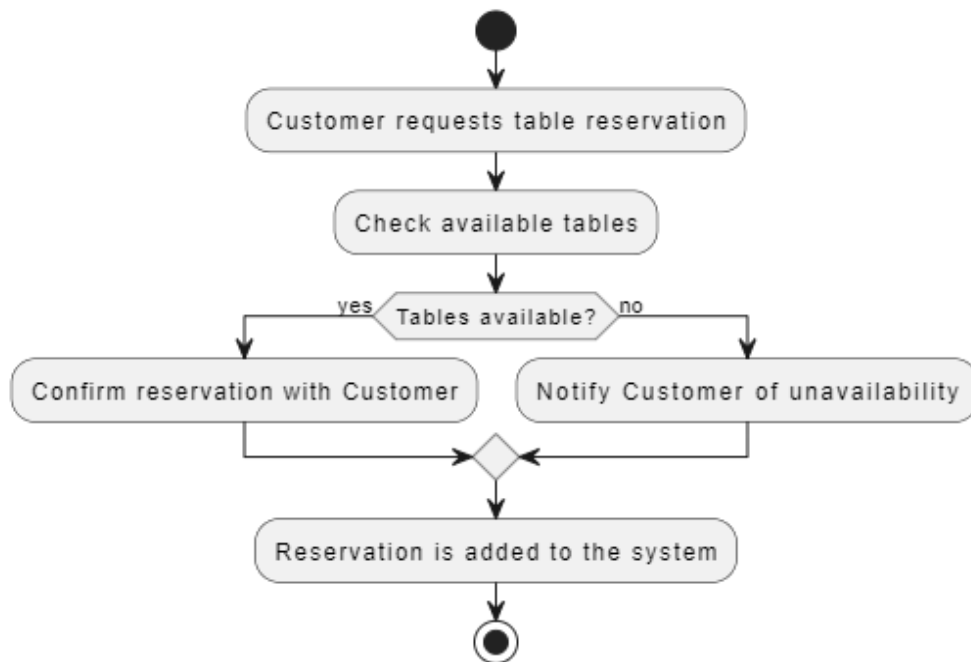
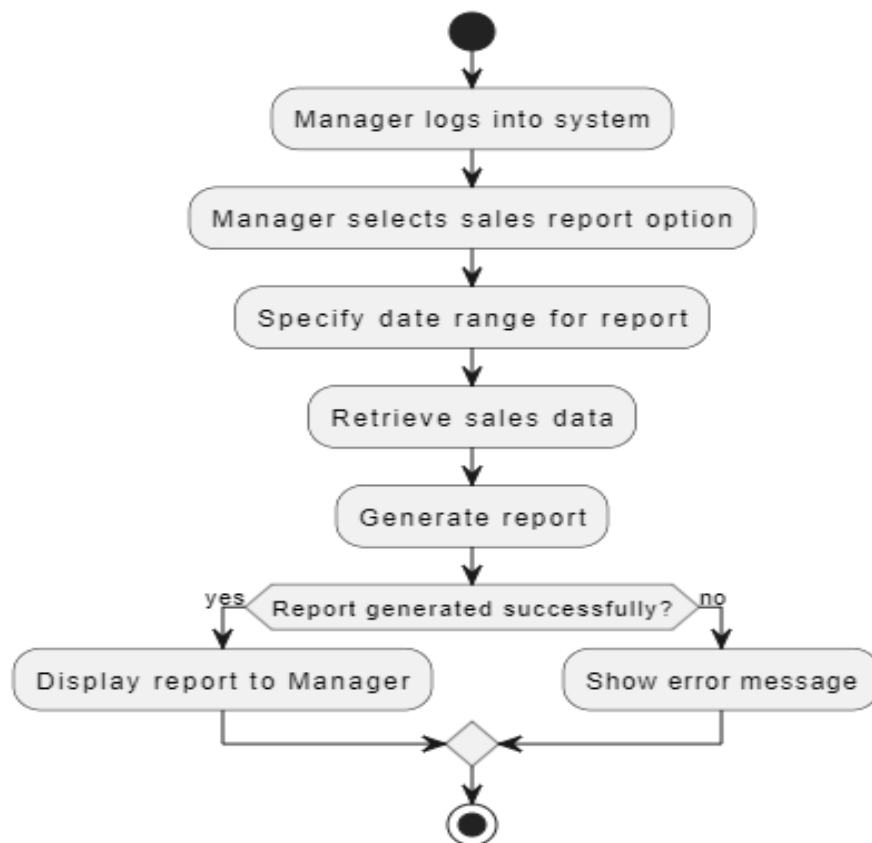
*~Login*



*~Place Order*



*~Food Preparing**~Making Payments*

*~Manage Reservations**~Generating Sales Report*



### **3.5 Data Dictionary:**

#### **Register(User):**

<b><u>Sr. No</u></b>	<b><u>Type</u></b>	<b><u>Name</u></b>	<b><u>Sample</u></b>
1	String	Name	Aliya
2	String	Email	aliyajaved4405@gmail.com
3	String	Password	1234
4	String	Phone	8490986188

#### **Login(User):**

<b><u>Sr. No</u></b>	<b><u>Type</u></b>	<b><u>Name</u></b>	<b><u>Sample</u></b>
1	String	Email	aliyajaved4405@gmail.com
2	String	Password	1234

#### **Admin(Login):**

<b><u>Sr. No</u></b>	<b><u>Type</u></b>	<b><u>Name</u></b>	<b><u>Sample</u></b>
1	String	Email	admin@mail.com
2	String	Password	codeastro.com

## 4.Development

### 4.1 Coding Standards

- **Naming Conventions:** Class names should be in StudlyCaps, and method and variable names should be in camelCase.
- **Comments:** Code should be properly commented to make it easy to understand and maintain.
- **Controller Methods:** Controller methods should be kept short and should only be responsible for handling a single HTTP request.
- **Route Definitions:** Routes should be defined using the HTTP verbs and the appropriate URI, and should be organised into logical groups.
- **Blade Templates:** Blade templates should be organised into logical sections and should use the appropriate control structures.
- **Database Migrations:** Database migrations should be used to manage database schema changes and should be written using the appropriate schema builder methods.

### 4.2 Screenshots

- **Index Page:**

TasteFusion

ADMIN LOG IN

CUSTOMER LOG IN

### ► Admin Login Page:

## TasteFusion System

☐ Remember Me

Log In

### ► Dashboard Page:

- [Dashboard](#)
- [HRM](#)
- [Customers](#)
- [Products](#)
- [Orders](#)
- [Payments](#)
- [Receipts](#)

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REPORTING

- [Orders](#)
- [Payments](#)

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Log Out

SYSTEM ADMIN DASHBOARD
 System Admin

CUSTOMERS  
14

PRODUCTS  
26

ORDERS  
14

SALES  
\$139

See all

CODE	CUSTOMER	PRODUCT	UNIT PRICE	QTY	TOTAL	STATUS	DATE
USDM-5840	Jane Doe	Philly Cheesesteak	\$7	2	\$14	NOT PAID	20/Oct/2024 7:17
OAFY-6437	Jane Doe	Philly Cheesesteak	\$7	2	\$14	NOT PAID	20/Oct/2024 7:16
BTMG-6041	Jane Doe	Philly Cheesesteak	\$7	2	\$14	NOT PAID	20/Oct/2024 7:06
JFMB-0731	Christine Moore	Irish Coffee	\$11	1	\$11	PAID	04/Sep/2022 10:07
INHG-0875	Delbert G. Campbell	Enchiladas	\$10	1	\$10	PAID	04/Sep/2022 10:05

### ► Delete Staff:

Restaurant Management System

```

<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
check_login();
//Delete Staff
if (isset($_GET['delete'])) {
    $id = intval($_GET['delete']);
    $adn = "DELETE FROM rpos_staff WHERE staff_id = ?";
    $stmt = $mysqli->prepare($adn);
    $stmt->bind_param('i', $id);
    $stmt->execute();
    $stmt->close();
    if ($stmt) {
        $success = "Deleted" && header("refresh:1; url=hrm.php");
    } else {
        $err = "Try Again Later";
    }
}
require_once('partials/_head.php');
?>

```

### ► Add Staff:

```

<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
include('config/code-generator.php');

check_login();
//Add Staff
if (isset($_POST['addStaff'])) {
    //Prevent Posting Blank Values
    if (empty($_POST["staff_number"]) || empty($_POST["staff_name"]) || empty($_POST['staff_email']) || empty($_POST['staff_password'])) {
        $err = "Blank Values Not Accepted";
    } else {
        $staff_number = $_POST['staff_number'];
        $staff_name = $_POST['staff_name'];
        $staff_email = $_POST['staff_email'];
        $staff_password = sha1(md5($_POST['staff_password']));

        //Insert Captured information to a database table
        $postQuery = "INSERT INTO rpos_staff (staff_number, staff_name, staff_email, staff_password) VALUES(?,?,?,?)";
        $postStmt = $mysqli->prepare($postQuery);
        //bind paramaters
        $rc = $postStmt->bind_param('ssss', $staff_number, $staff_name, $staff_email, $staff_password);
        $postStmt->execute();
        //declare a variable which will be passed to alert function
        if ($postStmt) {
            $success = "Staff Added" && header("refresh:1; url=hrm.php");
        } else {
            $err = "Please Try Again Or Try Later";
        }
    }
}
require_once('partials/_head.php');
?>

```

Please Fill All Fields

Staff Number

CXQG-8406

Staff Name

Staff Email

Staff Password

Add Staff

### ► Update Staff:

```
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
include('config/code-generator.php');

check_login();
//Udpate Staff
if (isset($_POST['UpdateStaff'])) {
    //Prevent Posting Blank Values
    if (empty($_POST['staff_number']) || empty($_POST['staff_name']) || empty($_POST['staff_email']) || empty($_POST['staff_password'])) {
        $err = "Blank Values Not Accepted";
    } else {
        $staff_number = $_POST['staff_number'];
        $staff_name = $_POST['staff_name'];
        $staff_email = $_POST['staff_email'];
        $staff_password = $_POST['staff_password'];
        $update = $_GET['update'];

        //Insert Captured information to a database table
        $postQuery = "UPDATE rpos_staff SET staff_number=?, staff_name=?, staff_email=?, staff_password=? WHERE staff_id=?";
        $postStmt = $mysqli->prepare($postQuery);
        //bind parameters
        $rc = $postStmt->bind_param('ssssi', $staff_number, $staff_name, $staff_email, $staff_password, $update);
        $postStmt->execute();
        //declare a variable which will be passed to alert function
        if ($postStmt) {
            $success = "Staff Updated" && header("refresh:1; url=hnm.php");
        } else {
            $err = "Please Try Again Or Try Later";
        }
    }
}
require_once('partials/_head.php');
?>
```

Please Fill All Fields

Staff Number

QEUY-9042

Staff Name

Trevor

Staff Email


cashier@mail.com



Staff Password

Update Staff

### ➤View Staff:

```
<?php
$ret = "SELECT * FROM rpos_staff ";
$stmt = $mysqli->prepare($ret);
$stmt->execute();
$res = $stmt->get_result();
while ($staff = $res->fetch_object()) {
?>
```



STAFF NUMBER	NAME	EMAIL	DEPARTMENT	ACTIONS
QEUY-9042	Trevor	cashier@mail.com	cashier	 

### ➤Delete Customer:

```
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
check_login();
//Delete Staff
if (isset($_GET['delete'])) {
    $id = $_GET['delete'];
    $adn = "DELETE FROM rpos_customers WHERE customer_id = ?";
    $stmt = $mysqli->prepare($adn);
    $stmt->bind_param('s', $id);
    $stmt->execute();
    $stmt->close();
    if ($stmt) {
        $success = "Deleted" && header("refresh:1; url=customers.php");
    } else {
        $err = "Try Again Later";
    }
}
require_once('partials/_head.php');
?>
```

## ➤View Customer:

```
<?php
$ret = "SELECT * FROM rpos_customers ORDER BY `rpos_customers`.`created_at` DESC ";
$stmt = $mysqli->prepare($ret);
$stmt->execute();
$res = $stmt->get_result();
while ($cust = $res->fetch_object()) {
?>
```

[+ Add New Customer](#)

FULL NAME	CONTACT NUMBER	EMAIL	ACTIONS
Christine Moore	7412569698	christine@mail.com	<a href="#" style="background-color: #dc3545; color: white; padding: 2px 5px;">Delete</a> <a href="#" style="background-color: #007bff; color: white; padding: 2px 5px;">Update</a>
Jane Doe	2145896547	janed@mail.com	<a href="#" style="background-color: #dc3545; color: white; padding: 2px 5px;">Delete</a> <a href="#" style="background-color: #007bff; color: white; padding: 2px 5px;">Update</a>
Brian S. Boucher	1020302055	brians@mail.com	<a href="#" style="background-color: #dc3545; color: white; padding: 2px 5px;">Delete</a> <a href="#" style="background-color: #007bff; color: white; padding: 2px 5px;">Update</a>
Melody E. Hance	3210145550	melody@mail.com	<a href="#" style="background-color: #dc3545; color: white; padding: 2px 5px;">Delete</a> <a href="#" style="background-color: #007bff; color: white; padding: 2px 5px;">Update</a>

## ➤Add Customer:

```
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
include('config/code-generator.php');
//Visit codeastro.com for more projects
check_login();
//Add Customer
if (isset($_POST['addCustomer'])) {
    //Prevent Posting Blank Values
    if (empty($_POST['customer_phoneno']) || empty($_POST['customer_name']) || empty($_POST['customer_email']) || empty($_POST['customer_password'])) {
        $err = "Blank Values Not Accepted";
    } else {
        $customer_name = $_POST['customer_name'];
        $customer_phoneno = $_POST['customer_phoneno'];
        $customer_email = $_POST['customer_email'];
        $customer_password = sha1(md5($_POST['customer_password'])); //Hash This
        $customer_id = $_POST['customer_id'];

        //Insert Captured information to a database table
        $postQuery = "INSERT INTO rpos_customers (customer_id, customer_name, customer_phoneno, customer_email, customer_password) VALUES(?,?,?,?,?)";
        $postStmt = $mysqli->prepare($postQuery);
        //bind paramaters
        $src = $postStmt->bind_param('sssss', $customer_id, $customer_name, $customer_phoneno, $customer_email, $customer_password);
        $postStmt->execute();
        //declare a variable which will be passed to alert function
        if ($postStmt) {
            $success = "Customer Added" && header("refresh:1; url=customers.php");
        } else {
            $err = "Please Try Again Or Try Later";
        }
    }
}
//Visit codeastro.com for more projects
require_once('partials/_head.php');
?>
```

Please Fill All Fields

Customer Name

Customer Phone Number

Customer Email

Customer Password

[Add Customer](#)



## ➤Update Customer:

```
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
include('config/code-generator.php');

check_login();
//Add Customer
if (isset($_POST['updateCustomer'])) {
    //Prevent Posting Blank Values
    if (empty($_POST["customer_phoneno"]) || empty($_POST["customer_name"]) || empty($_POST['customer_email']) || empty($_POST['customer_password'])) {
        $err = "Blank Values Not Accepted";
    } else {
        $customer_name = $_POST['customer_name'];
        $customer_phoneno = $_POST['customer_phoneno'];
        $customer_email = $_POST['customer_email'];
        $customer_password = sha1(md5($_POST['customer_password'])); //Hash This
        $update = $_GET['update'];

        //Insert Captured information to a database table
        $postQuery = "UPDATE rpos_customers SET customer_name=?, customer_phoneno=?, customer_email=?, customer_password=? WHERE customer_id=?";
        $postStmt = $mysqli->prepare($postQuery);
        //bind paramaters
        $rc = $postStmt->bind_param('sssss', $customer_name, $customer_phoneno, $customer_email, $customer_password, $update);
        $postStmt->execute();
        //declare a variable which will be passed to alert function
        if ($postStmt) {
            $success = "Customer Added" && header("refresh:1; url=customers.php");
        } else {
            $err = "Please Try Again Or Try Later";
        }
    }
}
require_once('partials/_head.php');
?>
```

Please Fill All Fields

Customer Name

Customer Phone Number

Customer Email

Customer Password

## ➤Delete Product:





```
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
check_login();
if (isset($_GET['delete'])) {
    $id = intval($_GET['delete']);
    $adn = "DELETE FROM rpos_products WHERE prod_id = ?";
    $stmt = $mysqli->prepare($adn);
    $stmt->bind_param('s', $id);
    $stmt->execute();
    $stmt->close();
    if ($stmt) {
        $success = "Deleted" && header("refresh:1; url=products.php");
    } else {
        $err = "Try Again Later";
    }
}
require_once('partials/_head.php');
?>
```



## ➤View Product:

```
<body>
<?php
$ret = "SELECT * FROM rpos_products ";
$stmt = $mysqli->prepare($ret);
$stmt->execute();
$res = $stmt->get_result();
while ($prod = $res->fetch_object()) {
?>
```

Add New Product

CATEGORY	IMAGE	PRODUCT CODE	NAME	PRICE	ACTIONS
Meat		FCWU-5762	Bacon	₹ 150	Delete Update
Non-Veg		JRZN-9518	Scrambled Eggs	₹ 100	Delete Update
Indian Cuisine		FOEV-9818	Dal Fry	₹ 250	Delete Update
South Indian		XYZA-0909	Idli	₹ 180	Delete Update

## ➤Add Product:

```
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
include('config/code-generator.php');

check_login();
if (isset($_POST['addProduct'])) {
//Prevent Posting Blank Values
if (empty($_POST['prod_category']) || empty($_POST['prod_code']) || empty($_POST['prod_name']) || empty($_POST['prod_desc']) || empty($_POST['prod_price'])) {
    $err = "Blank Values Not Accepted";
} else {
    $prod_id = $_POST['prod_id'];
    $prod_category = $_POST['prod_category'];
    $prod_code = $_POST['prod_code'];
    $prod_name = $_POST['prod_name'];
    $prod_img = $_FILES['prod_img']['name'];
    move_uploaded_file($_FILES['prod_img']['tmp_name'], "images/" . $_FILES['prod_img']['name']);
    $prod_desc = $_POST['prod_desc'];
    $prod_price = $_POST['prod_price'];
//Visit codeastro.com for more projects
//Insert Captured information to a database table
$postQuery = "INSERT INTO rpos_products (prod_id, prod_category, prod_code, prod_name, prod_img, prod_desc, prod_price ) VALUES(?,?,?,?,?,?,?)";
$postStmt = $mysqli->prepare($postQuery);
//bind paramaters
$stmt = $postStmt->bind_param('ssssss', $prod_id, $prod_category, $prod_code, $prod_name, $prod_img, $prod_desc, $prod_price);
$postStmt->execute();
//declare a variable which will be passed to alert function
if ($postStmt) {
    $success = "Product Added" && header("refresh:1; url=add_product.php");
} else {
    $err = "Please Try Again Or Try Later";
}
}
}
require_once('partials/_head.php');
?>
```

Please Fill All Fields

Product Category

Product Name

Product Code

Product Image

 No file chosen

Product Price

Product Description

Add Product

## ➤Update Product:

```
<?php
session_start();
include('config/config.php');
include('config/checklogin.php');
include('config/code-generator.php');

check_login();
if (isset($_POST['UpdateProduct'])) {
    //Prevent Posting Blank Values
    if (empty($_POST['prod_category']) || empty($_POST['prod_code']) || empty($_POST['prod_name']) || empty($_POST['prod_desc']) || empty($_POST['prod_price'])) {
        $err = "Blank Values Not Accepted";
    } else {
        $update = $_GET['update'];
        $prod_category = $_POST['prod_category'];
        $prod_code = $_POST['prod_code'];
        $prod_name = $_POST['prod_name'];
        $prod_img = $_FILES['prod_img']['name'];
        move_uploaded_file($_FILES['prod_img']['tmp_name'], "images/" . $_FILES['prod_img']['name']);
        $prod_desc = $_POST['prod_desc'];
        $prod_price = $_POST['prod_price'];

        //Insert Captured information to a database table
        $postQuery = "UPDATE rpos_products SET prod_category=?, prod_code=?, prod_name=?, prod_img=?, prod_desc=?, prod_price=? WHERE prod_id=?";
        $postStmt = $mysqli->prepare($postQuery);
        //bind parameters
        $src = $postStmt->bind_param('ssssss', $prod_category, $prod_code, $prod_name, $prod_img, $prod_desc, $prod_price, $update);
        $postStmt->execute();
        //declare a variable which will be passed to alert function
        if ($postStmt) {
            $success = "Product Updated" && header("refresh:1; url=products.php");
        } else {
            $err = "Please Try Again Or Try Later";
        }
    }
}
require_once('partials/_head.php');
?>
```

Product Category

Meat

Product Name

Bacon

Product Code

FCWU-5762

Product Image

Choose File No file chosen

Product Price

150

Product Description

Each strip is expertly cured and smoked to achieve a savory balance of salty and smoky goodness, with a crispy texture that enhances any dish.

Update Product

### ➤Print Receipt:

```
<?php
$order_code = $_GET['order_code'];
$ret = "SELECT * FROM rpos_orders WHERE order_code = '$order_code'";
$stmt = $mysqli->prepare($ret);
$stmt->execute();
$res = $stmt->get_result();
while ($order = $res->fetch_object()) {
    $total = ($order->prod_price * $order->prod_qty);
}
?>
```

## **5. Agile Documentation**

### **5.1 Agile Project Charter**

#### **General Project Information**

<b>Project Name</b>	Restaurant Management System
<b>Project Sponsor</b>	LJ Institute of Computer Applications
<b>Project Manager</b>	Prof. Maya Pandya
<b>Stakeholders</b>	LJ Institute of Computer Applications
<b>Expected Start Date</b>	23-08-2024
<b>Expected End Date</b>	15-11-2024

#### **Project Details**

<b>Mission</b>	Restaurant management system is the system for managing the food business
<b>Vision</b>	Our Restaurant management system website aims to provide customers with a seamless and comprehensive food experience, offering a diverse selection of fresh and good quality foods at a competitive price.
<b>Scope</b>	To upgrade the manual system and make the business easily to access and systematic.

## 5.2 Agile Roadmap Schedule

				Aug-2024				Sep-2024				Oct-2024				Nov-2024	
		Start	End	19	26	2	9	16	23	30	7	14	21	28	4	11	18
Requirement Gathering and Analysis	23-Aug-2024	07-Sep-2024															
Project Structure	09-Sep-2024	19-Sep-2024															
Module Creation	20-Sep-2024	05-Nov-2024															

## 5.3 Agile Project Plan

<b><u>Sprint Name</u></b>	<b><u>Duration</u></b>	<b><u>Start Date</u></b>	<b><u>Finish Date</u></b>	<b><u>Status</u></b>
<b>Sprint #1: Requirement Gathering</b>	<b>20d</b>	<b>23-08-2024</b>	<b>11-09-2024</b>	<b>Complete</b>
Define objective, scope	6d	23-08-2024	28-08-2024	Complete
Learning about technology	14d	29-08-2024	11-09-2024	Complete
<b>Sprint #2: Project Structure</b>	<b>7d</b>	<b>12-09-2024</b>	<b>18-09-2024</b>	<b>Complete</b>
Database Management	4d	12-09-2024	15-09-2024	Complete
Define Module	3d	16-09-2024	18-09-2024	Complete
<b>Sprint #3: Login All Users(Admin, User)</b>	<b>3d</b>	<b>19-09-2024</b>	<b>21-09-2024</b>	<b>Complete</b>
User Email and password, Email verification	3d	19-09-2024	21-09-2024	Complete
<b>Sprint #4: Manage Users(Admin)</b>	<b>4d</b>	<b>22-09-2024</b>	<b>26-09-2024</b>	<b>Complete</b>
Show and Delete User information	4d	22-09-2024	26-09-2024	Complete
<b>Sprint #5: Different Dashboards depending on Role Of User</b>	<b>2d</b>	<b>26-09-2024</b>	<b>27-09-2024</b>	<b>Complete</b>
Display different data depending the Role Of User	2d	26-09-2024	27-09-2024	Complete
<b>Sprint #6: Manage Food Categories(Admin)</b>	<b>4d</b>	<b>27-09-2024</b>	<b>30-09-2024</b>	<b>Complete</b>
Show all Food Categories(Admin)	1d	27-09-2024	27-09-2024	Complete
Add, Update and delete Food Category (Admin)	3d	28-09-2024	30-09-2024	Complete
<b>Sprint #7: Manage</b>	<b>4d</b>	<b>01-10-2024</b>	<b>04-10-2024</b>	<b>Complete</b>

<b>Food Subcategories(Admin)</b>				
Show All Food Subcategories (Admin)	1d	01-10-2024	01-10-2024	Complete
Add, Update and delete Food Subcategory (Admin)	3d	02-10-2024	04-10-2024	Complete
<b>Sprint #8: Order Food(User)</b>	<b>13d</b>	<b>05-10-2024</b>	<b>18-10-2024</b>	<b>Complete</b>
Show all food	5d	05-10-2024	09-10-2024	Complete
Order food	4d	10-10-2024	13-04-2024	Complete
Payment	4d	14-10-2024	18-10-2024	Complete

#### 5.4 User Story

<u>User Story</u>	<u>As User</u>	<u>Want to Perform</u>	<u>To Achieve</u>
1	Admin	Food Category and Subcategory management, User management, Contact and Feedback Management, Payment Management.	To Manage Food Category and Subcategory management, User management, Contact and Feedback Management, Payment Management.
2	User	Login/Register, manage their profile, view Food categories and subcategories, do feedback and contact, payment.	To Login/Register, view Food categories and subcategories, manage profile and give feedback and contact, Payment.

### 5.5 Agile Release Plan

<u>Sprint Name</u>	<u>Duration</u>	<u>Start Date</u>	<u>Finish Date</u>	<u>Status</u>	<u>Release Date</u>
<b>Sprint #1: Requirement Gathering</b>	<b>20d</b>	<b>23-08-2024</b>	<b>11-09-2024</b>	<b>Complete</b>	
Define objective, scope	6d	23-08-2024	28-08-2024	Complete	28-08-2024
Learning about technology	14d	29-08-2024	11-09-2024	Complete	11-09-2024
<b>Sprint #2: Project Structure</b>	<b>7d</b>	<b>12-09-2024</b>	<b>18-09-2024</b>	<b>Complete</b>	
Database Management	4d	12-09-2024	15-09-2024	Complete	15-09-2024
Define Module	3d	16-09-2024	18-09-2024	Complete	18-09-2024
<b>Sprint #3: Login All Users(Admin, User)</b>	<b>3d</b>	<b>19-09-2024</b>	<b>21-09-2024</b>	<b>Complete</b>	
User Email and password, Email verification	3d	19-09-2024	21-09-2024	Complete	21-09-2024
<b>Sprint #4: Manage Users(Admin)</b>	<b>4d</b>	<b>22-09-2024</b>	<b>26-09-2024</b>	<b>Complete</b>	
Show and Delete User information	4d	22-09-2024	26-09-2024	Complete	26-09-2024
<b>Sprint #5: Different Dashboards depending on Role Of User</b>	<b>2d</b>	<b>26-09-2024</b>	<b>27-09-2024</b>	<b>Complete</b>	



Display different data depending the Role Of User	2d	26-09-2024	27-09-2024	Complete	27-09-2024
<b>Sprint #6: Manage Food Categories(Admin)</b>	<b>4d</b>	<b>27-09-2024</b>	<b>30-09-2024</b>	<b>Complete</b>	
Show all Food Categories(Admin)	1d	27-09-2024	27-09-2024	Complete	27-09-2024
Add, Update and delete Food Category (Admin)	3d	28-09-2024	30-09-2024	Complete	30-09-2024
<b>Sprint #7: Manage Food Subcategories(Admin)</b>	<b>4d</b>	<b>01-10-2024</b>	<b>04-10-2024</b>	<b>Complete</b>	
Show All Food Subcategories (Admin)	1d	01-10-2024	01-10-2024	Complete	01-10-2024
Add, Update and delete Food Subcategory (Admin)	3d	02-10-2024	04-10-2024	Complete	04-10-2024
<b>Sprint #8: Order Food(User)</b>	<b>13d</b>	<b>05-10-2024</b>	<b>18-10-2024</b>	<b>Complete</b>	
Show all food	5d	05-10-2024	09-10-2024	Complete	09-10-2024
Order food	4d	10-10-2024	13-04-2024	Complete	13-04-2024
Payment	4d	14-10-2024	18-10-2024	Complete	18-10-2024

## 5.6 Agile Sprint Backlog

<u>Task Name</u>	<u>Story</u>	<u>Sprint Ready</u>	<u>Priority</u>	<u>Status</u>	<u>Story Point</u>
Basic Project Structure	Yes	Yes	High	Complete	5
Designing	Yes	Yes	High	Complete	5
Database Management	Yes	Yes	High	Complete	10
User Management	Yes	Yes	High	Complete	5
Login	Yes	Yes	High	Complete	10
Register	Yes	Yes	High	Complete	5
Manage Category	Yes	Yes	High	Complete	10
Add Category	Yes	Yes	High	Complete	4
View Category	Yes	Yes	High	Complete	5
Update Category	Yes	Yes	High	Complete	5
Delete Category	Yes	Yes	High	Complete	5
Manage Products	Yes	Yes	High	Complete	5
Add Products	Yes	Yes	High	Complete	5
Update Products	Yes	Yes	High	Complete	5
Delete Products	Yes	Yes	High	Complete	5

Search Products	Yes	Yes	High	Complete	5
Manage Orders	Yes	Yes	High	Complete	5
View Orders	Yes	Yes	High	Complete	5
Manage Profile	Yes	Yes	High	Complete	5
Change Password	Yes	Yes	High	Complete	5

## **6. Conclusion**

This documentation has outlined the features and benefits of our restaurant management system. We believe that our comprehensive solution provides a powerful tool for streamlining operations, improving customer service, and ultimately, driving success for your restaurant. Our dedicated support team is available to assist you throughout the implementation and ongoing use of the system. We are continuously developing new features and integrations to enhance the system's capabilities, ensuring that you have access to the latest technology for managing your restaurant effectively.

## **7. Bibliography**

- <https://www.w3schools.com/php/>
- <https://www.w3schools.com/mysql/>