

A PROJECT REPORT ON

**Delight Kitchen**  
Restaurant Management System

SUBMITTED IN PARTIAL

FULFILMENT OF

PG DIPLOMA IN ADVANCED COMPUTING (PG-DAC)



UNDER THE GUIDANCE OF

Mr. Suleman Saudagar

PRESENTED BY

230340120015	Aher Prashant Dadasaheb
230340120053	Chavan Prasad
230340120104	Lokesh
230340120111	Mangate Nilesh Narayan
230340120173	Rakesh Prabhudas Chaudhari

AT

CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING C-  
DAC, PUNE

# **ABSTRACT**

This project is a web-based restaurant management system for a specific restaurant. The project objective is to deliver restaurant management applications into web platforms.

This project is an attempt to provide the advantages of using restaurant management applications to a specific restaurant in the real world which intends to manage their restaurant functionality online via using an application. It helps in reducing human effort by maintaining the workflow of a restaurant in online mode, where each staff person working in the restaurant could do their job role efficiently. This system can be implemented to specific restaurants which wish to operate their restaurant functionalities in the online mode via application (specific to particular restaurant).

If the restaurant is using an online system to manage its functionalities then much of human efforts will be reduced and efficient services will be made available to the visited restaurant. If a visiting customer is well satisfied with the service, positive feedback will be given by his side as a result the rating of a restaurant will increase and in future more and more customers will pay a visit.

# ACKNOWLEDGEMENT

The project “Delight Kitchen” was a great learning experience for us and we are submitting this work to Advanced Computing Training School (C-DAC ACTS, Pune).

We are very glad to mention the name of Mr. Suleman Saudagar for his valuable guidance to work on this project.

We are highly grateful to Ms. Risha P. R., Manager of ACTS Training Centre, CDAC, for her guidance and support whenever necessary during the course of our journey to acquire PG-Diploma in Advanced Computing (PG-DAC) through CDAC ACTS, Pune.

Our heartfelt thanks go to Dr. Priyanka Ranade (Course Coordinator, PG-DAC) who gave us all the required support and kind coordination to provide all the necessities to complete the project and throughout the course up to the last day of the course.

We would like to express our sincere gratitude towards Mrs. Madhura Anturkar, our faculty for J2EE, who was always there for us. Her guidance and support helped us overcome various obstacles and intricacies during the course of our project work. Without her tremendous support, guidance, and efforts, this project would not have been possible.

From:

230340120015	Aher Prashant Dadasaheb
230340120053	Chavan Prasad
230340120104	Lokesh
230340120111	Mangate Nilesh Narayan
230340120173	Rakesh Prabhudas Chaudhari

## **Table of Contents**

<b>1. Introduction</b>	<b>1</b>
Document Purpose	1
Problem Statement	1
Product Scope	2
Aim & Objectives	2
<b>2. Overall Description</b>	<b>3</b>
Product Perspective	3
User and Characteristics	3
Operating Environment	4
Design and Implementation Constraints	5
<b>3. Requirements Specification</b>	<b>6</b>
External Interface Requirements	6
Non-Functional Requirements	7
<b>4. System Diagram</b>	<b>8</b>
Activity Diagram	11
Data Flow Diagram	14
ER Diagram	15
Use Case Diagram	16
<b>5. Table Structure</b>	<b>18</b>
Bills	18
Category	18
OrderItem	18
Orders	18
Product	18
Tables	19
Users	19
<b>6. Screenshots</b>	<b>21</b>
<b>7. Conclusion</b>	<b>37</b>
Future Scope	37
<b>8. References</b>	<b>38</b>

## **List of Figures**

Figure 1 Admin Activity Diagram	8
Figure 2 Admin Sequence Diagram	9
Figure 3 Chef Activity Diagram	10
Figure 4 Chef Sequence Diagram	11
Figure 5 Cashier Activity Diagram	12
Figure 6 Waiter Activity Diagram	13
Figure 7 Level 0 Data Flow Diagram	14
Figure 8 ER Data Flow Diagram	15
Figure 9 Use Case Diagram	16
Figure 10 ER Diagram	17

## **1. Introduction**

This project is a web-based restaurant management system for a specific existing restaurant. It presents a detailed explanation of the objectives, features, user interface and application of Restaurant Management System(RMS) in real life. It will also describe how the system will perform and under which it must operate. The Restaurant Management System allows the restaurant's staff along with manager to log in the application where they all can track their work and services that need to be delivered to the visited customer according to their respective job roles. This project attempts to provide the advantages of online restaurant management by reducing human effort and time.

### **Document Purpose**

The aim of this document is to explain the functionality of the project developed for Restaurant Management System(RMS). This document provides the flow about how the services are being managed and provided to a customer in an efficient manner whenever he makes a visit to a restaurant.

### **Problem Statement**

95% of restaurant operators view the ability to improve guest satisfaction and the quality of the guest experience as one of the biggest benefits one can expect to gain with the right restaurant management. 89% of restaurant operators cite the need to drive increased operational efficiency, including increasing staff productivity and reducing inventory waste, as a key success factor. Hence this application is proposed to overcome the inefficiency of existing restaurant so that manager could be able to manage the workflow and their operations in a better manner.

## **Product Scope**

This system will help to manage the restaurant business systematically. In this management system, we have designed a web application that can be used by the Manager along with the staff of that restaurant to manage the food orders given by the customers, so that the manager of that restaurant can monitor and ensure the smooth conduct of the whole system.

This will lead to serving food faster and ultimately a better kitchen place to revisit it again. In addition to this, the system is capable of hiring different job roles required for a restaurant, the required information about staff will be saved in the system which can be only accessed by the system admin.

## **Aim & Objectives**

Specific goals are: -

- To produce a web-based system that allows the admin to manage whole restaurant functionalities efficiently.
- To ease different staff member to service their respective work and functionalities.
- The main aim of this web application is to reduce human efforts and time by providing multiple features in an online mode that so restaurant owner can run their business smoothly.

## **2. Overall Description**

### **Product Perspective**

#### **Users and Characteristics**

In our application we have mainly 4 users, which are the staff members working in that particular restaurants having specific job role.

❖ There are various role in a restaurant

- **Manager**
- **Chef**
- **Cashier**
- **Waiter**

❖ Functionalities of different roles:

- Manager
  - Add/Manage food Category(availability)
  - Add/Manage food items under available Category
  - Add/Manage Tables
  - Add/Manage Staffs
  - Add/Manage Orders
  - Billing of Orders
  - Can change his profiles details
- Chef
  - Add/Manage food Category(availability)
  - Add/Manage food items under available Category
  - Manage Orders
  - Can change his profiles details



- Cashier
  - Billing of Orders
  - Can view history of previous orders
  - Can change his profiles details
  
- Waiter
  - Add/Manage Orders
  - Can change his profiles details

## **Operating Environment**

### **❖ Server Side**

**Processor:** Intel® Xeon® processor 3500 series

**HDD:** Minimum 500GB Disk Space

**RAM:** Minimum 2GB

**OS:** Windows 8.1, Linux 6

**Database:** MySql

### **❖ Client Side (minimum requirement)**

**Processor:** Intel Dual Core

**HDD:** Minimum 250GB Disk Space

**RAM:** Minimum 2GB

**OS:** Windows 10, Linux

## **Design and Implementation Constraints**

- ☐ The application will use Ajax, JavaScript, jQuery and css as main web technologies.
- ☐ HTTP and FTP protocols are used as communication protocols. FTP is used to upload the web application in live domain and the client can access it via HTTP protocol.
- ☐ Several types of validations make this web application a secured one and SQL Injections can also be prevented.
- ☐ Since Restaurant Management system is a web-based application, internet connection must be established.
- ☐ The Society Management System will be used on PCs and will function via internet or intranet in any web browser.

### **3. Specific Requirement**

#### **External Interface Requirements**

##### **❖ User Interfaces**

- ☐ All the users will see the same page when they enter in this website.  
This page asks the users a username and a password.
- ☐ After being authenticated by correct username and password, user will be redirect to their corresponding profile where they can do various activities.
- ☐ The user interface will be simple and consistence, using terminology commonly understood by intended users of the system. The system will have simple interface, consistence with standard interface, to eliminate need for user training of infrequent users.

##### **❖ Hardware Interfaces**

- ☐ No extra hardware interfaces are needed.
- ☐ The system will use the standard hardware and data communication resources.
- ☐ This includes, but not limited to, general network connection at the server/hosting site, network server and network management tools.

##### **❖ Application Interfaces**

**OS :** Windows 7, Linux

**Web Browser :**

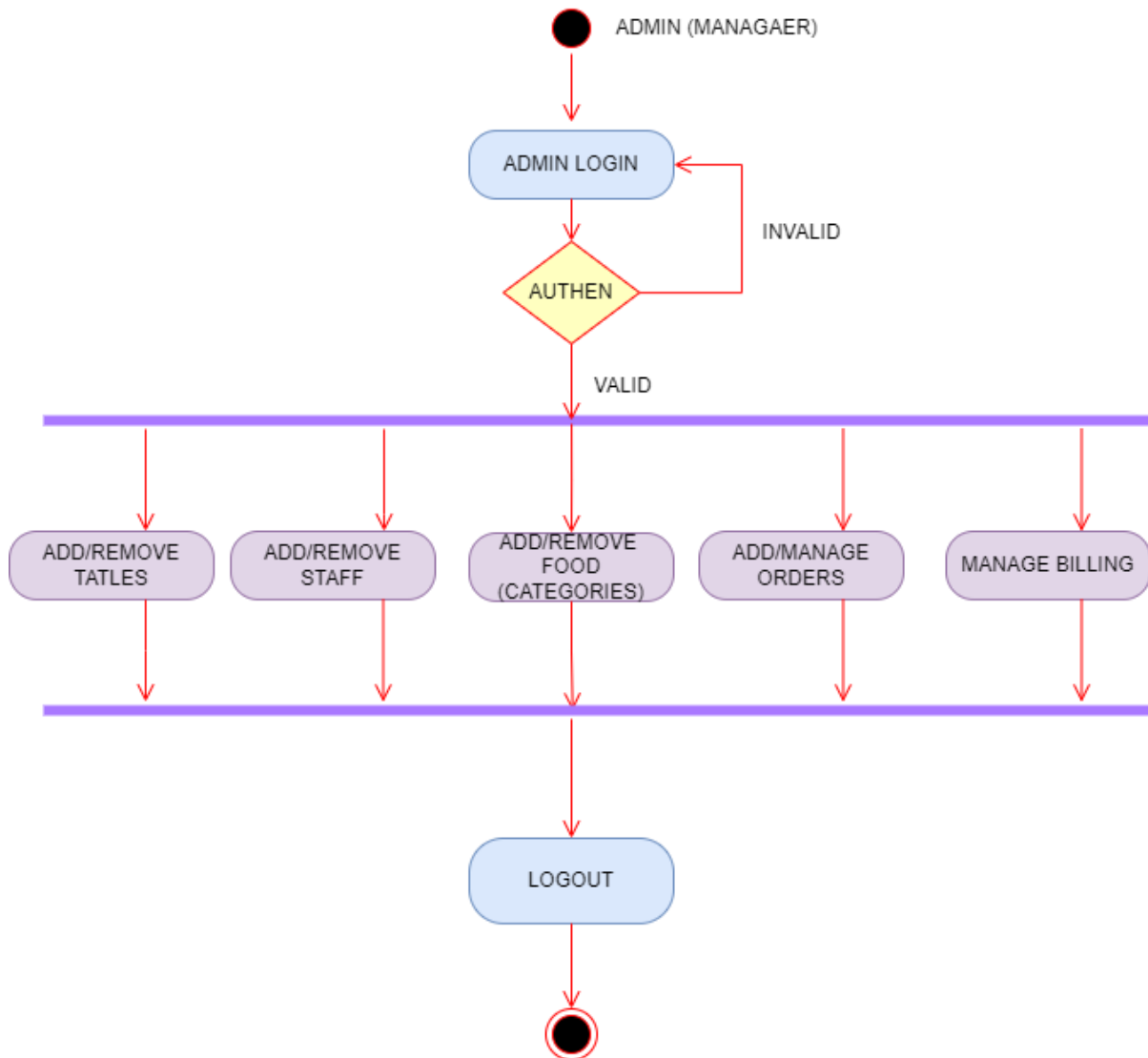
The system is a web-based application; clients need a modern web browser such as Mozilla Firebox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.

## **Communications Interfaces**

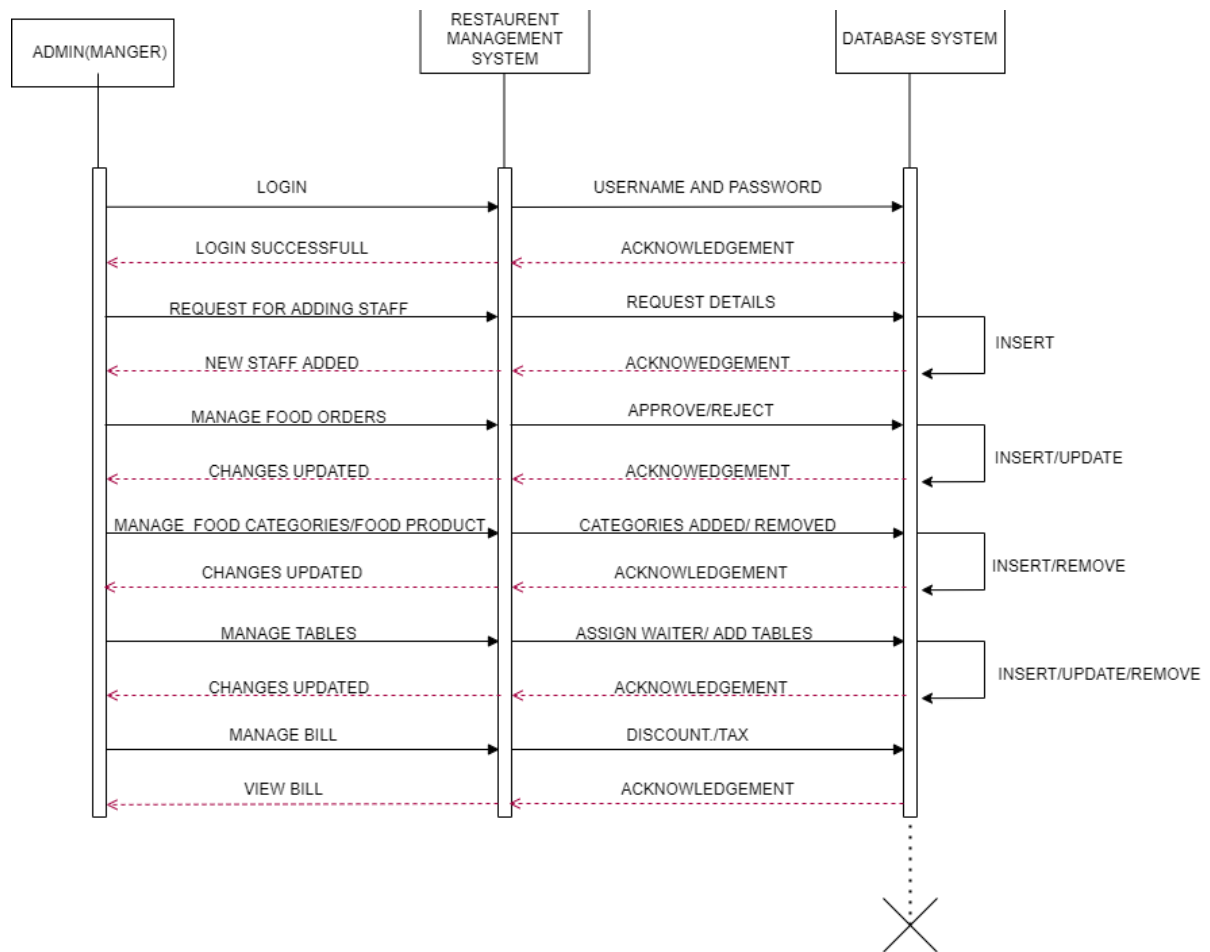
- This system uses communication resources which includes but not limited to, HTTP protocol for communication with the web browser and web server and TCP/IP network protocol with HTTP protocol.
- This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP Service. This function allows the application to use the data retrieved by server to fulfill the request fired by the user.

## 4. System Design

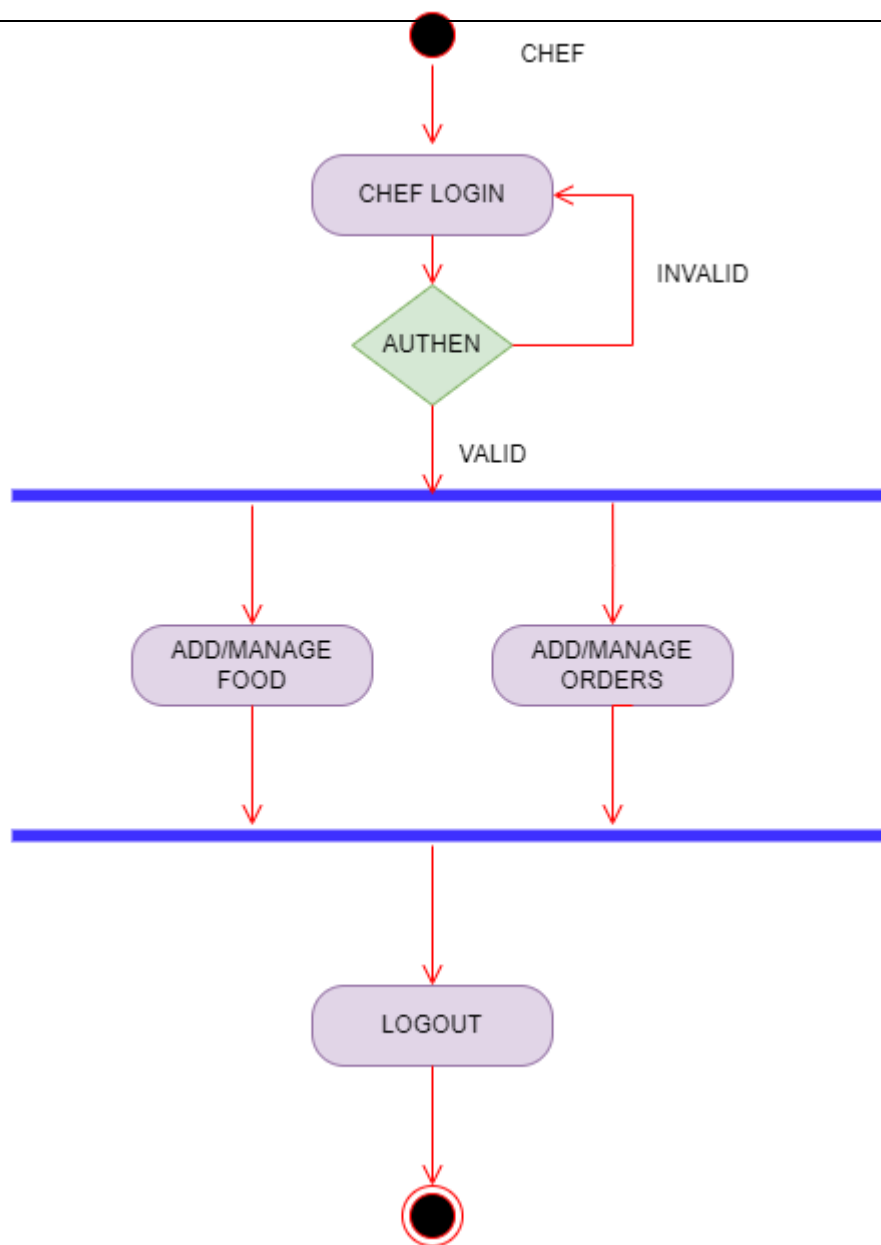
### Activity Diagram



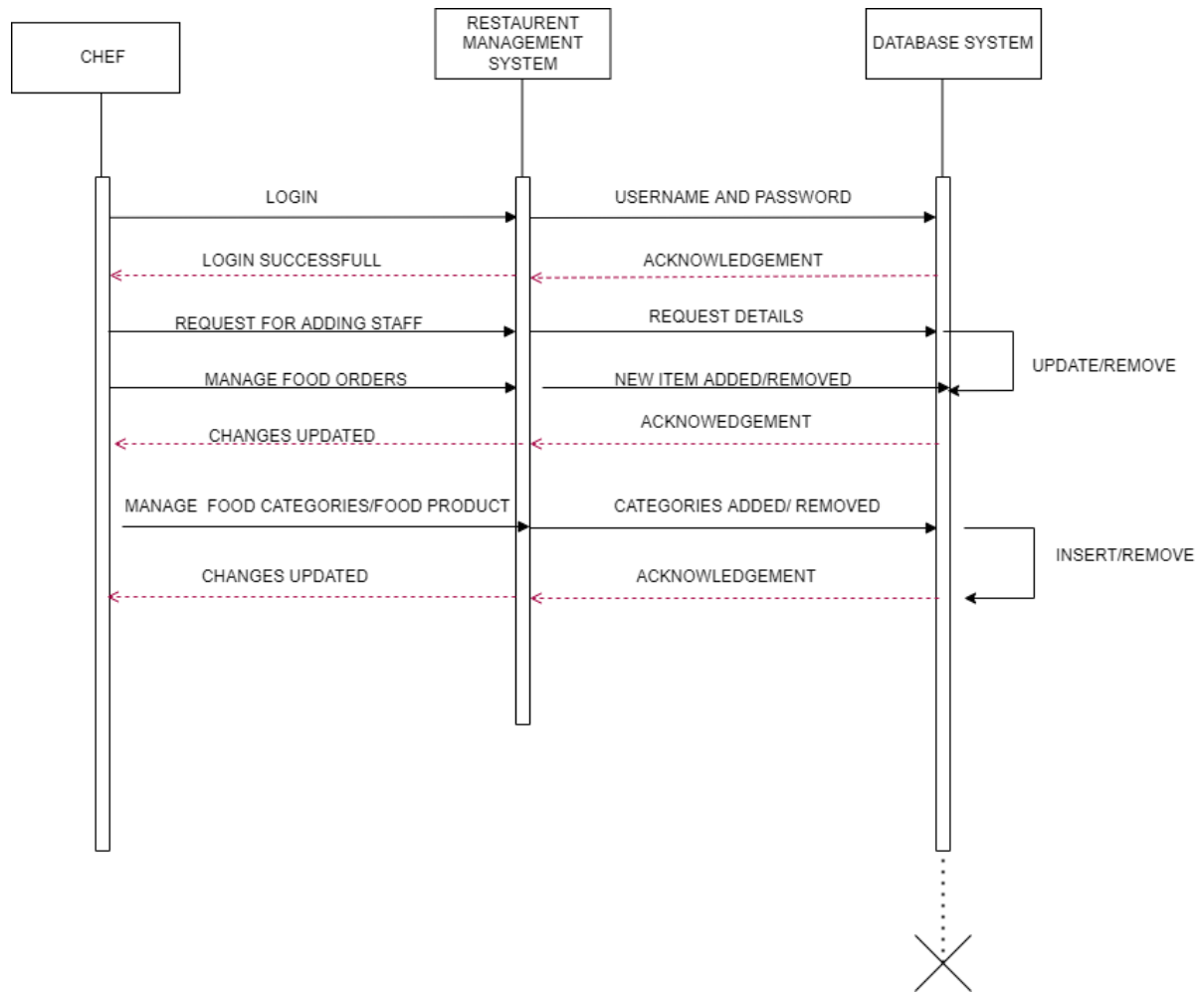
*Figure 1.1: Admin Activity Diagram*



**Figure 1.2: Admin Sequence Diagram**

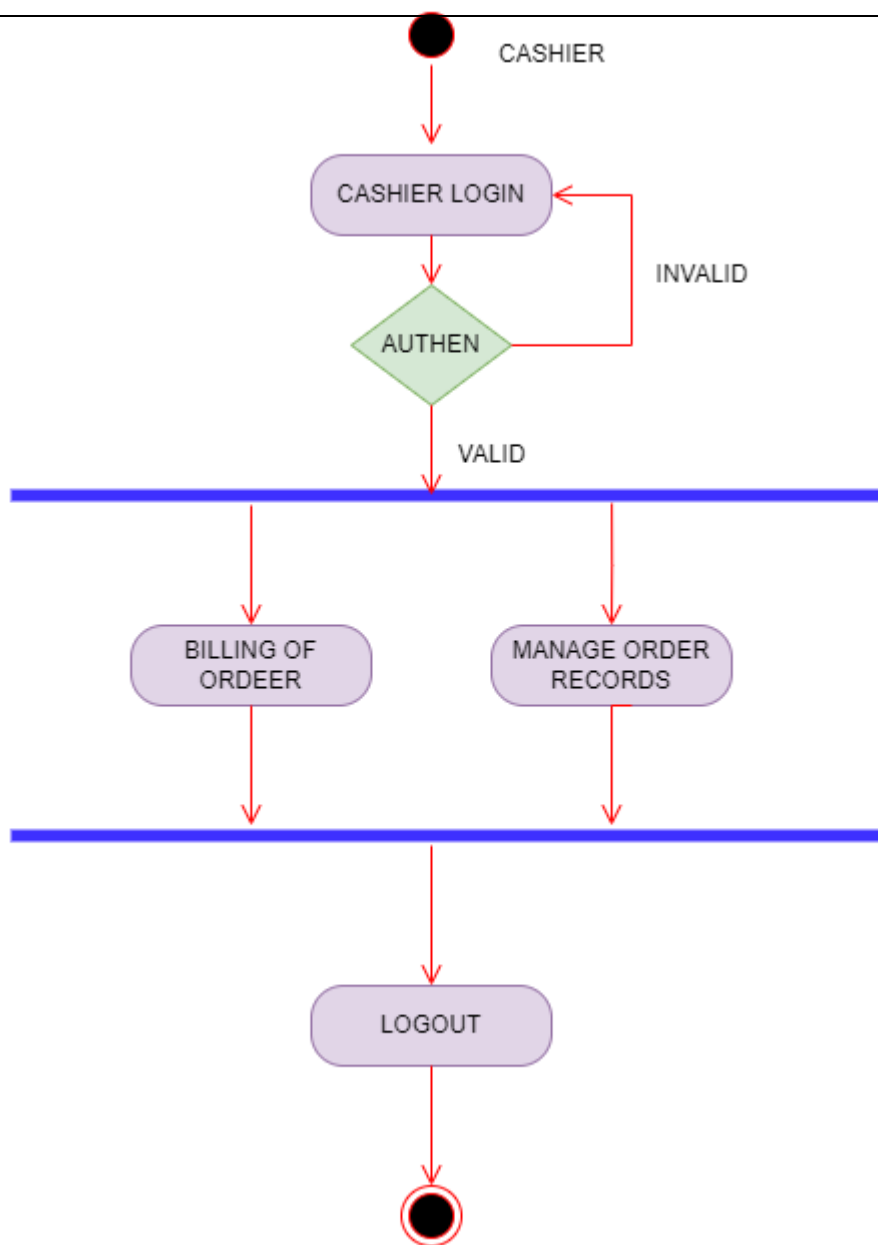


*Figure 2.1: Chef Activity Diagram*

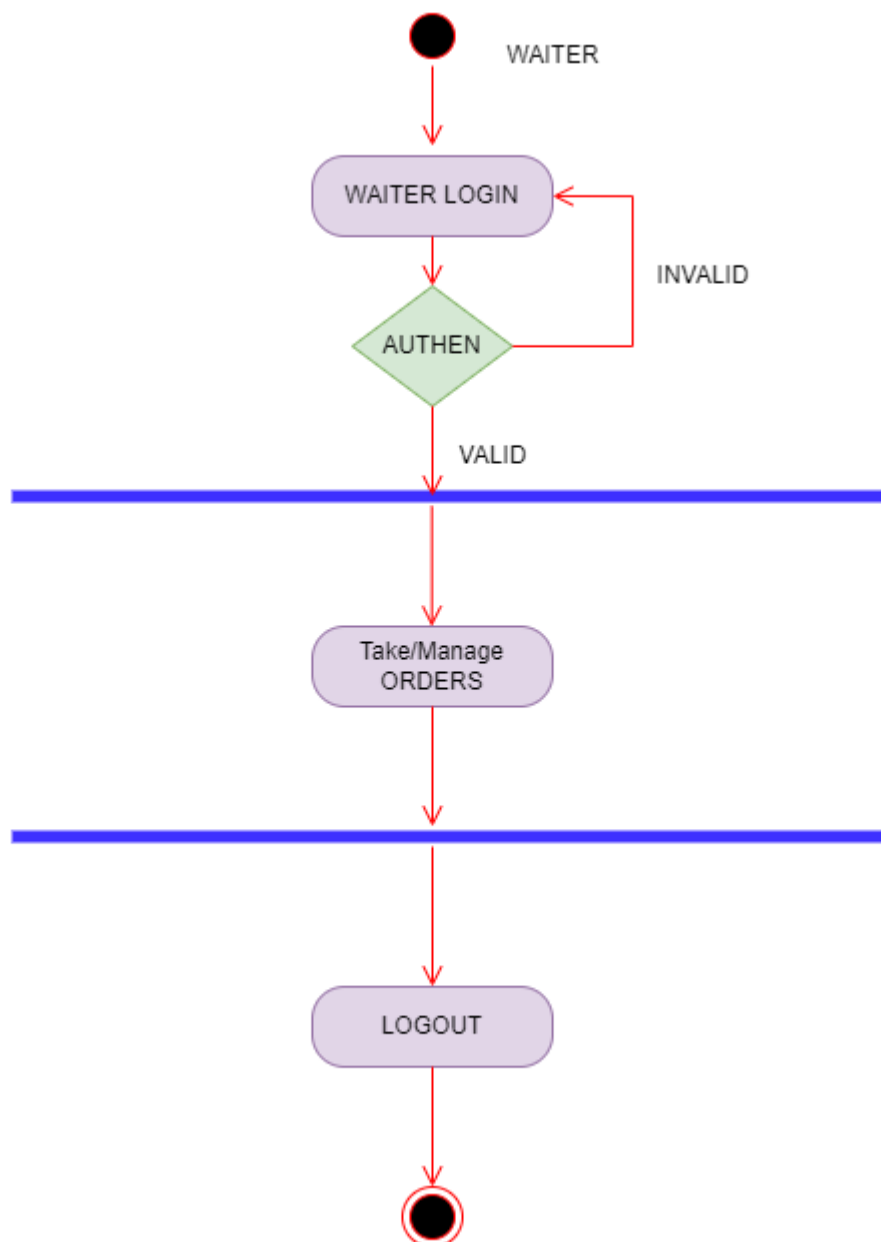


**Figure 2.2: Chef Sequence Diagram**



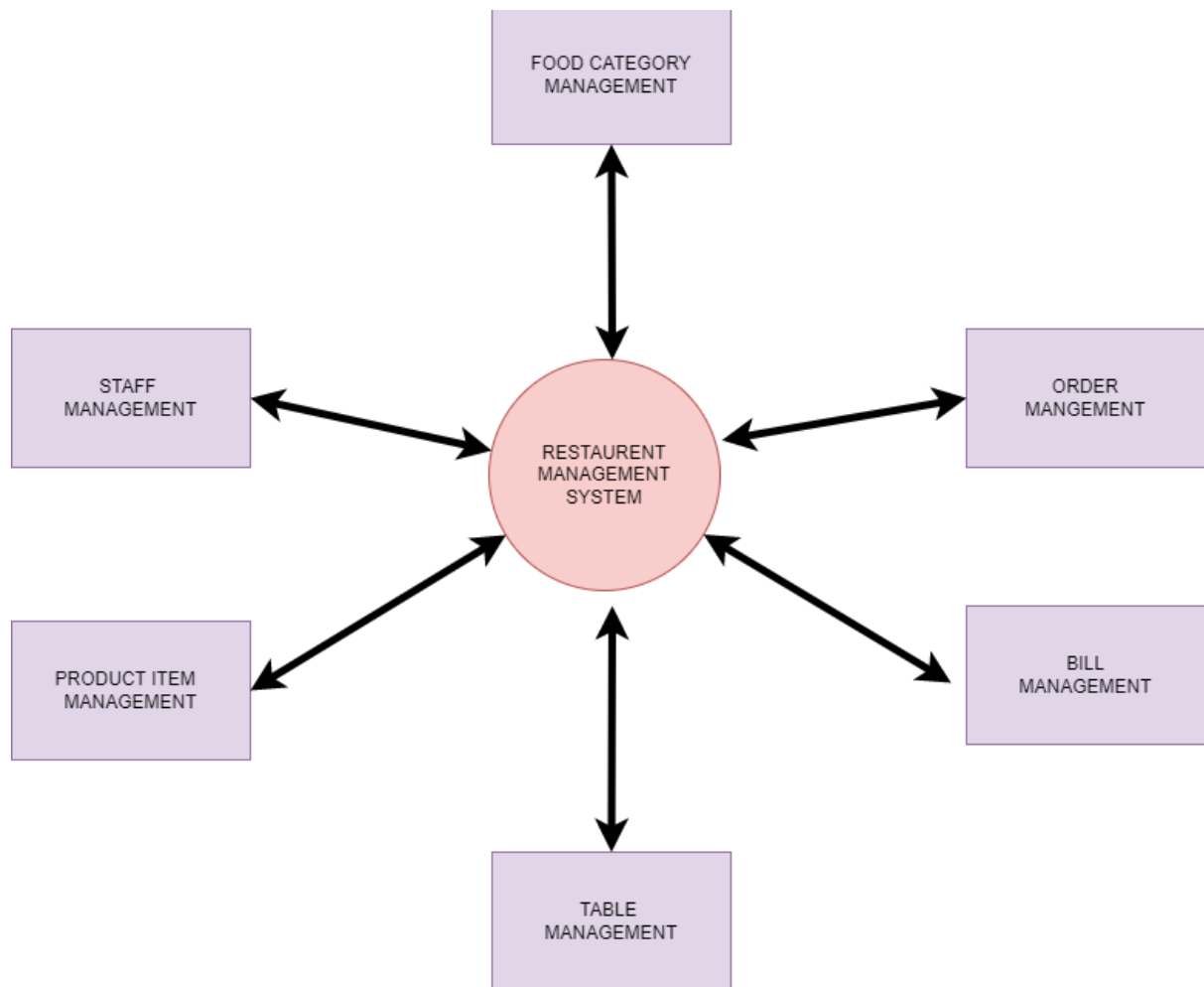


***Figure 3: Cashier Activity Diagram***



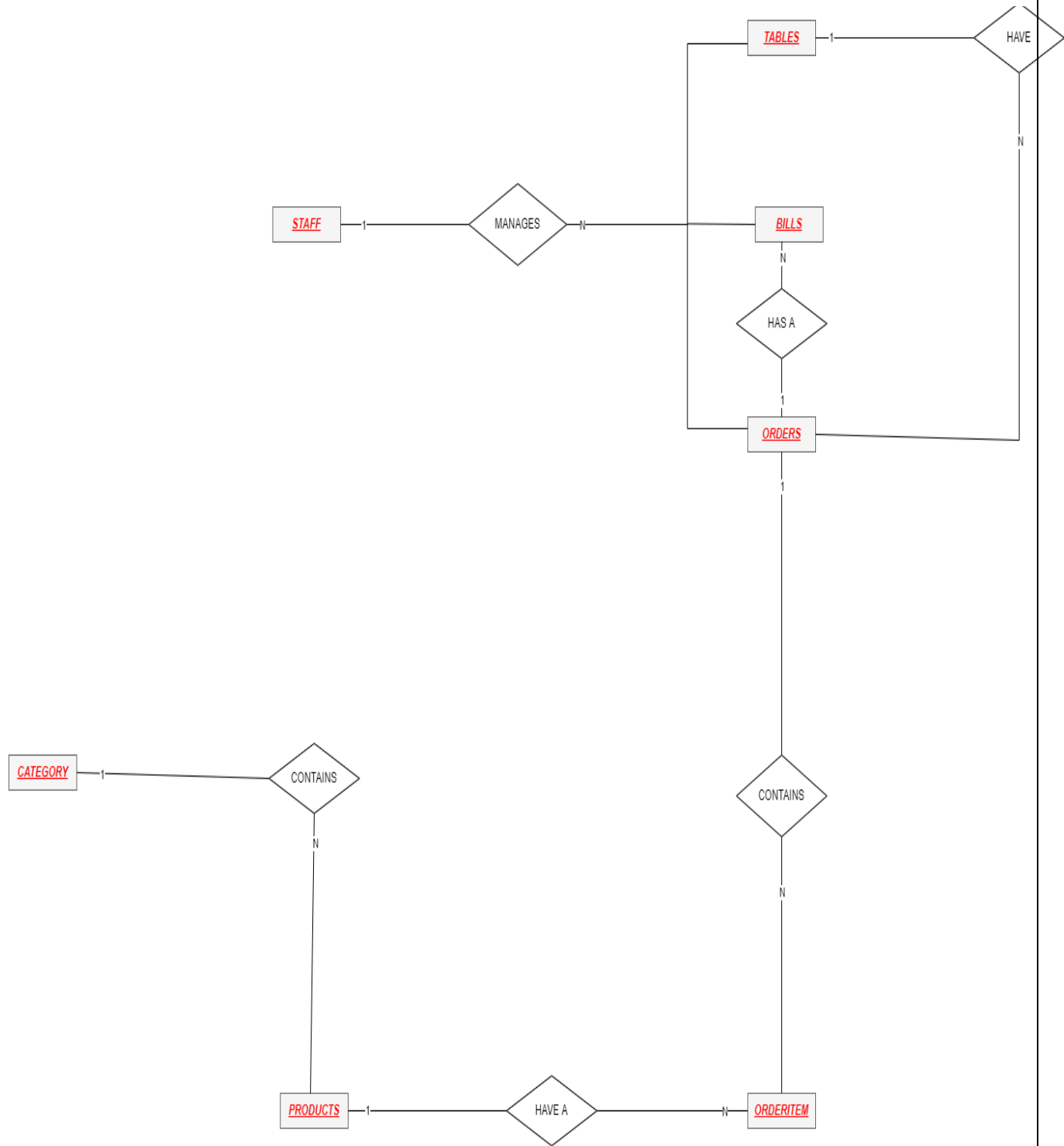
***Figure 4: Waiter Activity Diagram***

## Data Flow Diagram



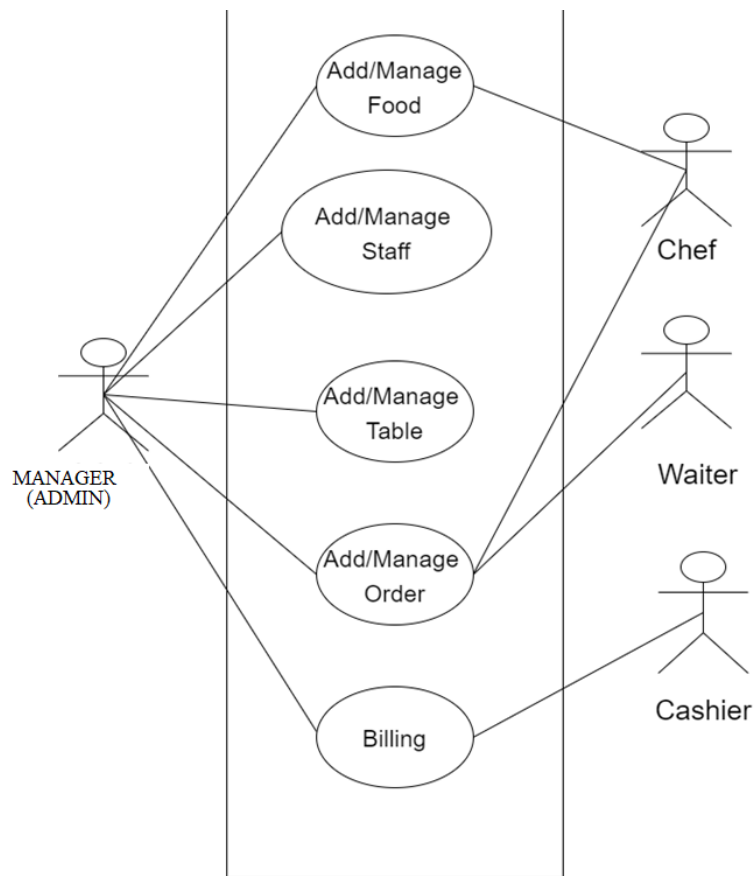
*Figure 5: Level 0 Data Flow Diagram*

## ERD Flow Diagram

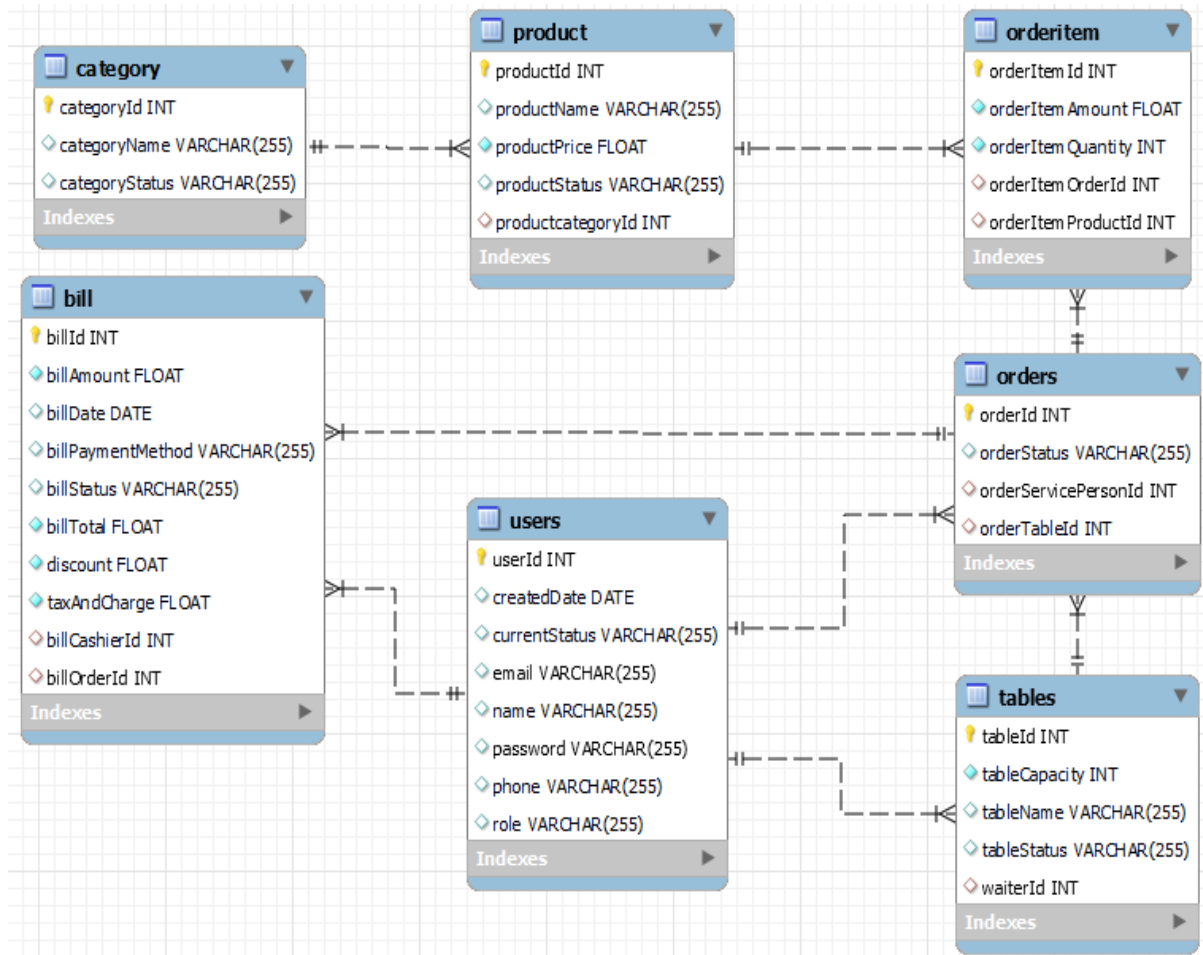


*Figure 6: ER Data Flow Diagram*

## Use Case Diagram



*Figure 7: Use Case Diagram*



**Figure 8: ER Diagram**

## 5. Table Structure

### Bill:

	Field	Type	Null	Key	Default	Extra
►	billId	int	NO	PRI	NULL	auto_increment
	billAmount	float	NO		NULL	
	billDate	date	YES		NULL	
	billPaymentMethod	varchar(255)	YES		NULL	
	billStatus	varchar(255)	YES		NULL	
	billTotal	float	NO		NULL	
	discount	float	NO		NULL	
	taxAndCharge	float	NO		NULL	
	billCashierId	int	YES	MUL	NULL	
	billOrderId	int	YES	MUL	NULL	

### Category:

	Field	Type	Null	Key	Default	Extra
►	categoryId	int	NO	PRI	NULL	auto_increment
	categoryName	varchar(255)	YES		NULL	
	categoryStatus	varchar(255)	YES		NULL	

### OrderItem:

	Field	Type	Null	Key	Default	Extra
►	orderItemId	int	NO	PRI	NULL	auto_increment
	orderItemAmount	float	NO		NULL	
	orderItemQuantity	int	NO		NULL	
	orderItemOrderId	int	YES	MUL	NULL	
	orderItemProductId	int	YES	MUL	NULL	

### Orders:

	Field	Type	Null	Key	Default	Extra
►	orderId	int	NO	PRI	NULL	auto_increment
	orderStatus	varchar(255)	YES		NULL	
	orderServicePersonId	int	YES	MUL	NULL	
	orderTableId	int	YES	MUL	NULL	

### Product:

	Field	Type	Null	Key	Default	Extra
►	productId	int	NO	PRI	NULL	auto_increment
	productName	varchar(255)	YES		NULL	
	productPrice	float	NO		NULL	
	productStatus	varchar(255)	YES		NULL	
	productcategoryId	int	YES	MUL	NULL	

## Tables:

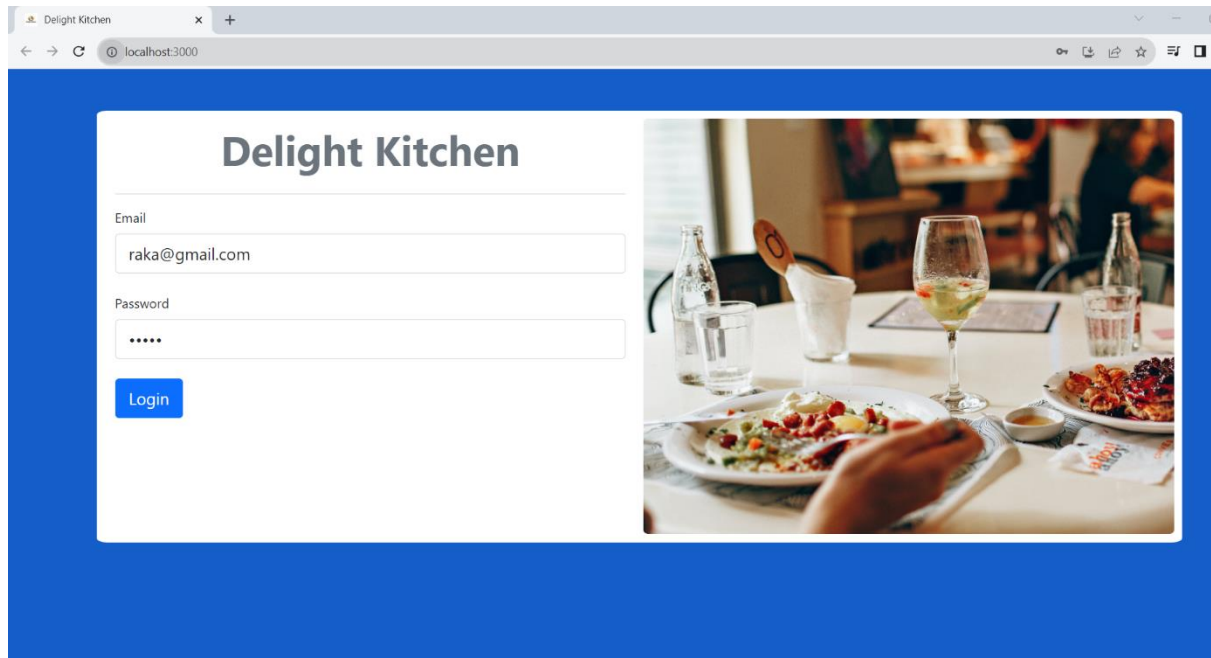
	Field	Type	Null	Key	Default	Extra
►	tableId	int	NO	PRI	NULL	auto_increment
	tableCapacity	int	NO		NULL	
	tableName	varchar(255)	YES		NULL	
	tableStatus	varchar(255)	YES		NULL	
	waiterId	int	YES	MUL	NULL	

## Users:

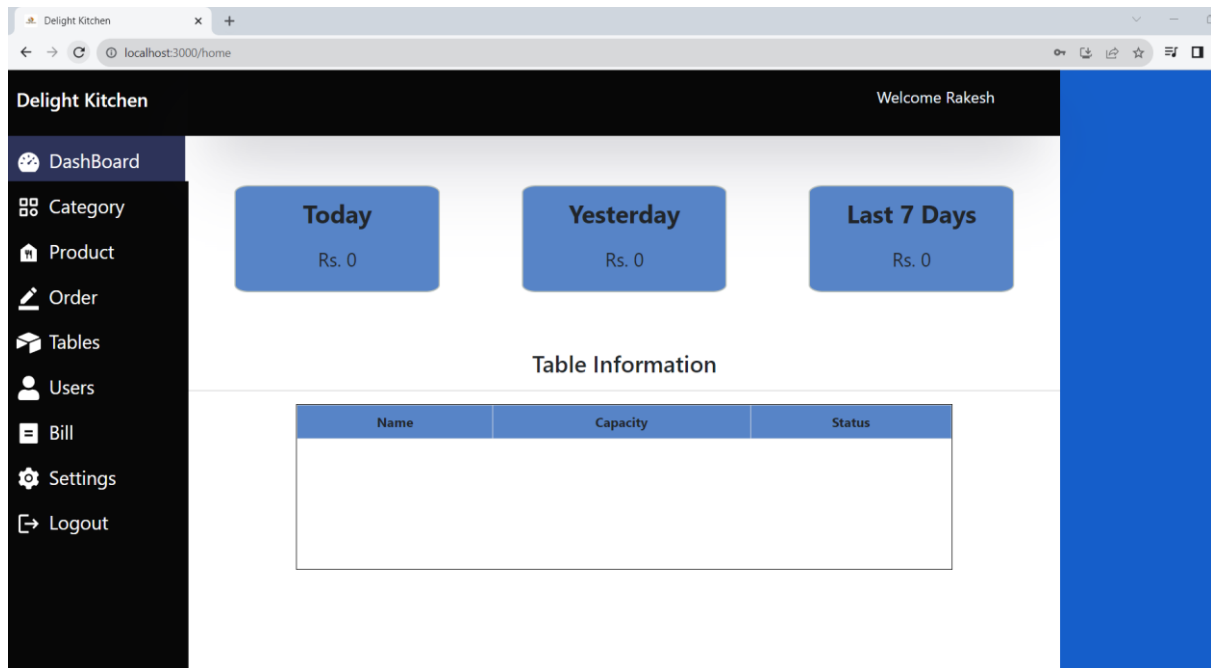
	Field	Type	Null	Key	Default	Extra
►	userId	int	NO	PRI	NULL	auto_increment
	createdDate	date	YES		NULL	
	currentStatus	varchar(255)	YES		NULL	
	email	varchar(255)	YES		NULL	
	name	varchar(255)	YES		NULL	
	password	varchar(255)	YES		NULL	
	phone	varchar(255)	YES		NULL	
	role	varchar(255)	YES		NULL	



## LOGIN SECTION FOR MANAGER



## DASHBOARD OF MANAGER



Name	Capacity	Status
------	----------	--------

## SCREEN OF MANAGER( RAKESH) OF HUNGRY FOODS RESTAURANT

The screenshot shows the 'Delight Kitchen' web application interface. The left sidebar contains navigation links: Dashboard, Category, Product, Order, Tables, Users, Bill, Settings, and Logout. The main content area is titled 'Category Details' and includes a green 'Add' button. Below the button is a table listing food categories with their status and actions.

Category Name	Status	Action
CHINESE	Enabled	Edit Delete
PUNJABI	Enabled	Edit Delete
SOUTH INDIAN	Enabled	Edit Delete
NORTH INDIAN	Enabled	Edit Delete
GUJRATI	Enabled	Edit Delete
NON VEG	Enabled	Edit Delete

## STAFF OF RESTAURANT(USERS) WHO CAN ACCESS THE APPLICATION

The screenshot shows the 'Delight Kitchen' web application interface. The left sidebar contains navigation links: Dashboard, Category, Product, Order, Tables, Users, Bill, Settings, and Logout. The main content area is titled 'User Details' and includes a green 'Add' button. Below the button is a table listing restaurant staff with their details and actions.

Name	Email	Contact No.	Role	Created Date	Status	Action
Rakesh	raka@gmail.com	9960893500	manager		Enabled	Edit
Lokesh	lokesh@gmail.com	7856352345	cashier	2023-08-28	Enabled	Edit Delete
Prasad	prasad@gmail.com	9863230014	chef	2023-08-28	Enabled	Edit Delete
Nilesh	nilesh@gmail.com	8932145678	cashier	2023-08-28	Enabled	Edit Delete
Prashant	prashant@gmail.com	9863217562	chef	2023-08-28	Enabled	Edit Delete
Kartik	kartik@gmail.com	9632458710	waiter	2023-08-28	Enabled	Edit Delete
Rushikesh	Rushikesh@gmail.com	7885452132	waiter	2023-08-28	Enabled	Edit Delete
Altaf	Altaf@gmail.com	8565321049	waiter	2023-08-28	Enabled	Edit Delete
Aman	Aman@gmail.com	8032147692	waiter	2023-08-28	Enabled	Edit Delete

## ADDITION OF NEW STAFF MEMBER(CASHIER) BY MANAGER

**Add User**

Name:

Email:

Phone:

Password:

Role: Waiter (dropdown menu open showing: -- select a role --, Manager, Waiter, Chef, **Cashier**)

Name	Email	Status	Action
Rakesh	raka@gmail.com	Enabled	Edit
Lokesh	lokesh@gmail.com	Enabled	Edit Delete
Prasad	prasad@gmail.com	Enabled	Edit Delete
Nilesh	nilesh@gmail.com	Enabled	Edit Delete
Prashant	prashant@gmail.com	Enabled	Edit Delete
Kartik	kartik@gmail.com	Enabled	Edit Delete
Rushikesh	Rushikesh@gmail.com	Enabled	Edit Delete
Altaf	Altaf@gmail.com	Enabled	Edit Delete
Aman	Aman@gmail.com	Enabled	Edit Delete

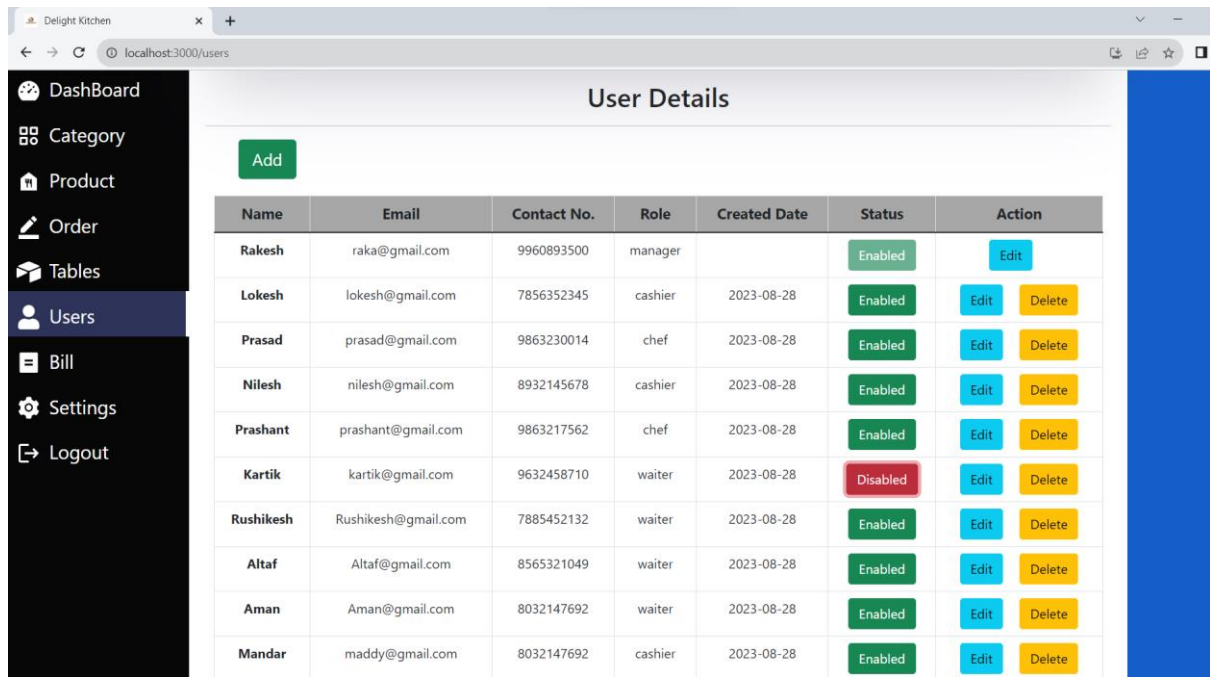
## ADDED STAFF MEMBER (CASHIER) DISPLAYED UNDER USER

**User Details**

Add

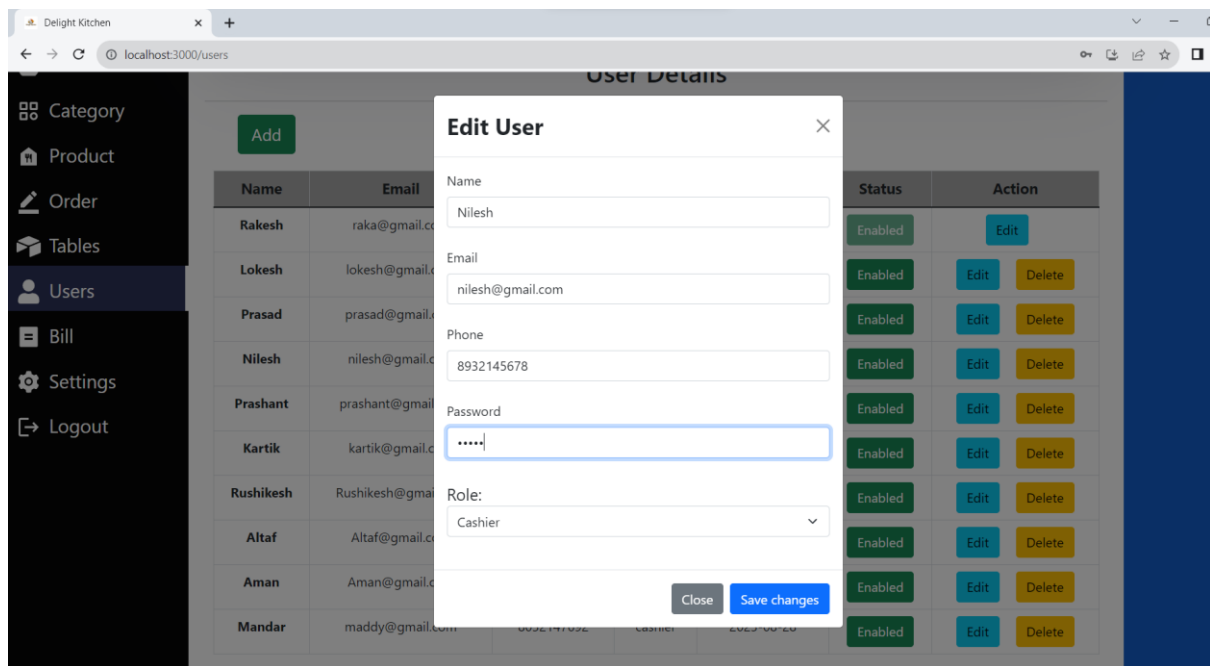
Name	Email	Contact No.	Role	Created Date	Status	Action
Rakesh	raka@gmail.com	9960893500	waiter		Enabled	Edit
Lokesh	lokesh@gmail.com	7856352345	waiter	2023-08-28	Enabled	Edit Delete
Prasad	prasad@gmail.com	9863230014	waiter	2023-08-28	Enabled	Edit Delete
Nilesh	nilesh@gmail.com	8932145678	waiter	2023-08-28	Enabled	Edit Delete
Prashant	prashant@gmail.com	9863217562	waiter	2023-08-28	Enabled	Edit Delete
Kartik	kartik@gmail.com	9632458710	waiter	2023-08-28	Enabled	Edit Delete
Rushikesh	Rushikesh@gmail.com	7885452132	waiter	2023-08-28	Enabled	Edit Delete
Altaf	Altaf@gmail.com	8565321049	waiter	2023-08-28	Enabled	Edit Delete
Aman	Aman@gmail.com	8032147692	waiter	2023-08-28	Enabled	Edit Delete
Mandar	maddy@gmail.com	8032147692	cashier	2023-08-28	Enabled	Edit Delete

## MANAGER CAN TEMPORARY DISABLED/ENABLED STAFF



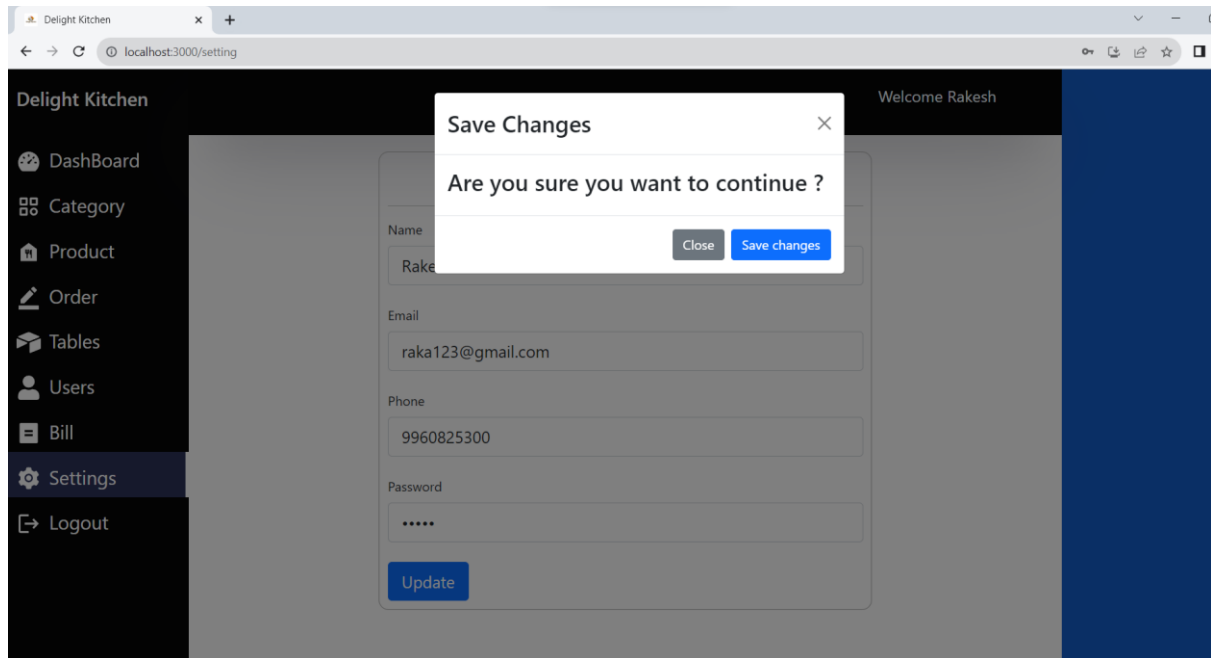
Name	Email	Contact No.	Role	Created Date	Status	Action
Rakesh	raka@gmail.com	9960893500	manager		Enabled	Edit
Lokesh	lokesh@gmail.com	7856352345	cashier	2023-08-28	Enabled	Edit Delete
Prasad	prasad@gmail.com	9863230014	chef	2023-08-28	Enabled	Edit Delete
Nilesh	nilesh@gmail.com	8932145678	cashier	2023-08-28	Enabled	Edit Delete
Prashant	prashant@gmail.com	9863217562	chef	2023-08-28	Enabled	Edit Delete
Kartik	kartik@gmail.com	9632458710	waiter	2023-08-28	Disabled	Edit Delete
Rushikesh	Rushikesh@gmail.com	7885452132	waiter	2023-08-28	Enabled	Edit Delete
Altaf	Altaf@gmail.com	8565321049	waiter	2023-08-28	Enabled	Edit Delete
Aman	Aman@gmail.com	8032147692	waiter	2023-08-28	Enabled	Edit Delete
Mandar	maddy@gmail.com	8032147692	cashier	2023-08-28	Enabled	Edit Delete

## DETAILS OF STAFF (CASHIER) UPDATED AND DELETED BY MANAGER

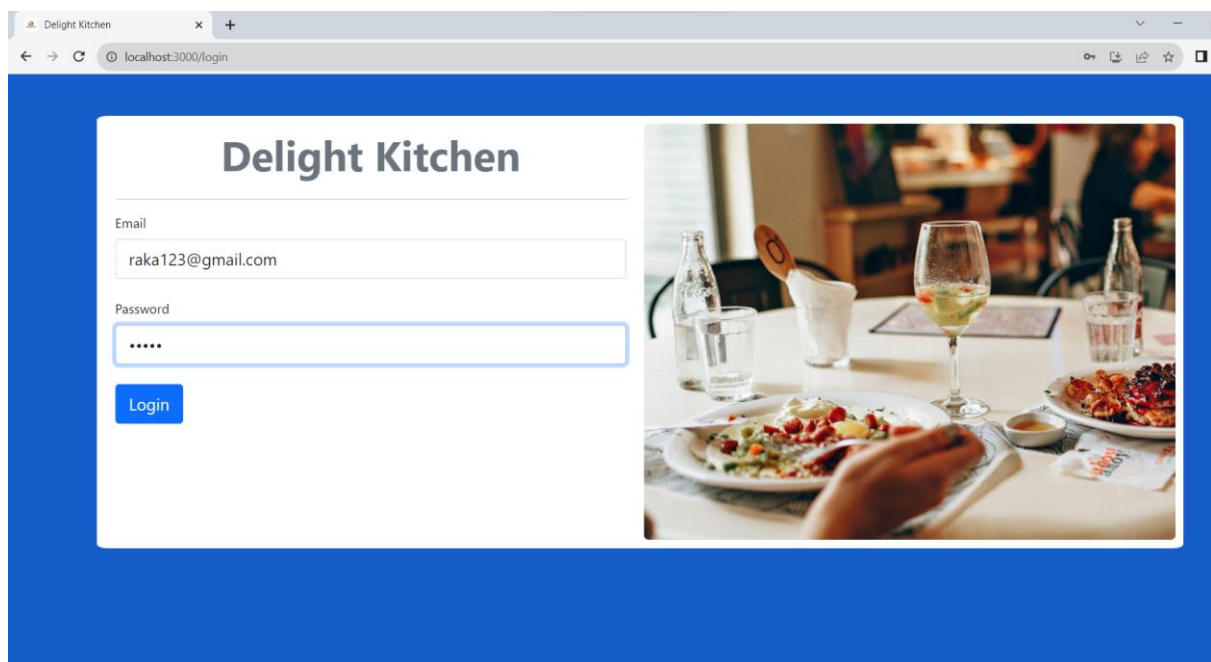


Name	Email	Contact No.	Role	Created Date	Status	Action
Rakesh	raka@gmail.com	9960893500	manager		Enabled	Edit
Lokesh	lokesh@gmail.com	7856352345	cashier	2023-08-28	Enabled	Edit Delete
Prasad	prasad@gmail.com	9863230014	chef	2023-08-28	Enabled	Edit Delete
Nilesh	nilesh@gmail.com	8932145678	cashier	2023-08-28	Enabled	Edit Delete
Prashant	prashant@gmail.com	9863217562	chef	2023-08-28	Enabled	Edit Delete
Kartik	kartik@gmail.com	9632458710	waiter	2023-08-28	Enabled	Edit Delete
Rushikesh	Rushikesh@gmail.com	7885452132	waiter	2023-08-28	Enabled	Edit Delete
Altaf	Altaf@gmail.com	8565321049	waiter	2023-08-28	Enabled	Edit Delete
Aman	Aman@gmail.com	8032147692	waiter	2023-08-28	Enabled	Edit Delete
Mandar	maddy@gmail.com	8032147692	cashier	2023-08-28	Enabled	Edit Delete

## **MANAGER CAN UPDATE HIS PASSWORD OR DETAILS FROM SETTINGS SECTION**



## **NOW ENTERED NEW CREDENTIAL TO LOG IN AS MANAGER**



## TABLES SECTION WHERE MANAGER CAN ASSIGN TABLES TO WAITERS

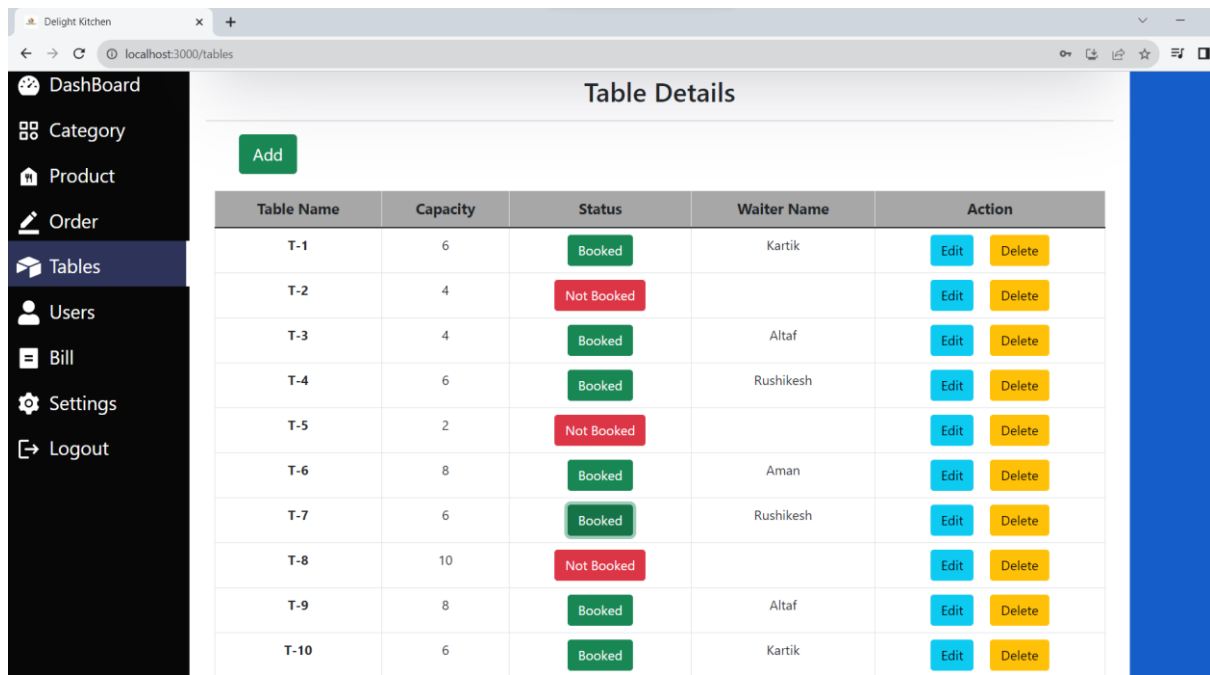


Table Name	Capacity	Status	Waiter Name	Action
T-1	6	Booked	Kartik	Edit Delete
T-2	4	Not Booked		Edit Delete
T-3	4	Booked	Altaf	Edit Delete
T-4	6	Booked	Rushikesh	Edit Delete
T-5	2	Not Booked		Edit Delete
T-6	8	Booked	Aman	Edit Delete
T-7	6	Booked	Rushikesh	Edit Delete
T-8	10	Not Booked		Edit Delete
T-9	8	Booked	Altaf	Edit Delete
T-10	6	Booked	Kartik	Edit Delete

## ADDING NEW TABLES WITH CAPACITY BY MANAGER

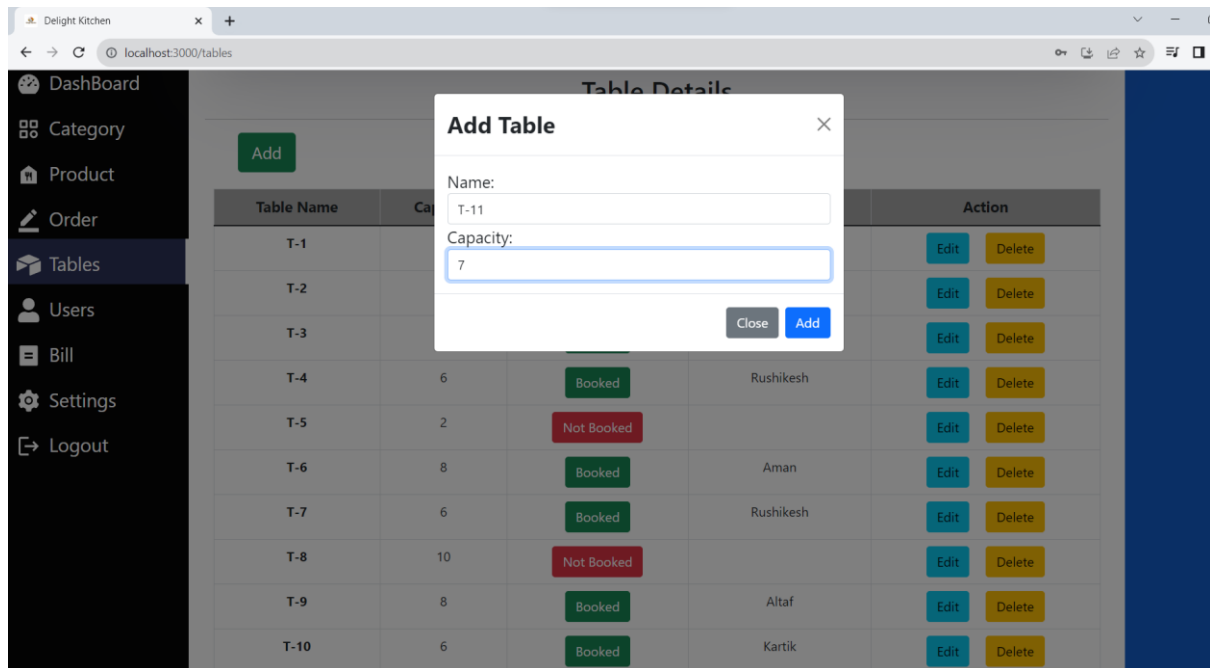


Table Name	Capacity	Status	Waiter Name	Action
T-1				Edit Delete
T-2				Edit Delete
T-3				Edit Delete
T-4	6	Booked	Rushikesh	Edit Delete
T-5	2	Not Booked		Edit Delete
T-6	8	Booked	Aman	Edit Delete
T-7	6	Booked	Rushikesh	Edit Delete
T-8	10	Not Booked		Edit Delete
T-9	8	Booked	Altaf	Edit Delete
T-10	6	Booked	Kartik	Edit Delete

## NEW TABLE T-11 ADDED BY MANAGER WHICH IS YET TO BE ASSIGN TO WAITER

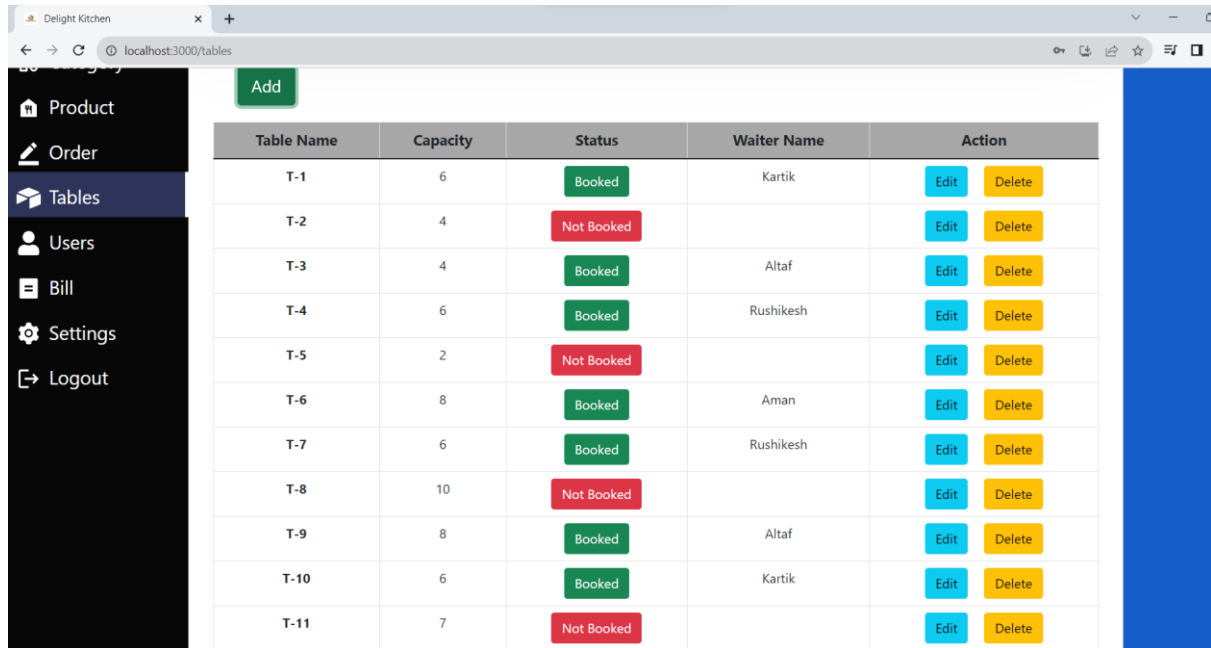


Table Name	Capacity	Status	Waiter Name	Action
T-1	6	Booked	Kartik	Edit Delete
T-2	4	Not Booked		Edit Delete
T-3	4	Booked	Altaf	Edit Delete
T-4	6	Booked	Rushikesh	Edit Delete
T-5	2	Not Booked		Edit Delete
T-6	8	Booked	Aman	Edit Delete
T-7	6	Booked	Rushikesh	Edit Delete
T-8	10	Not Booked		Edit Delete
T-9	8	Booked	Altaf	Edit Delete
T-10	6	Booked	Kartik	Edit Delete
T-11	7	Not Booked		Edit Delete

## TABLE ASSIGNED BY MANAGER TO WAITER

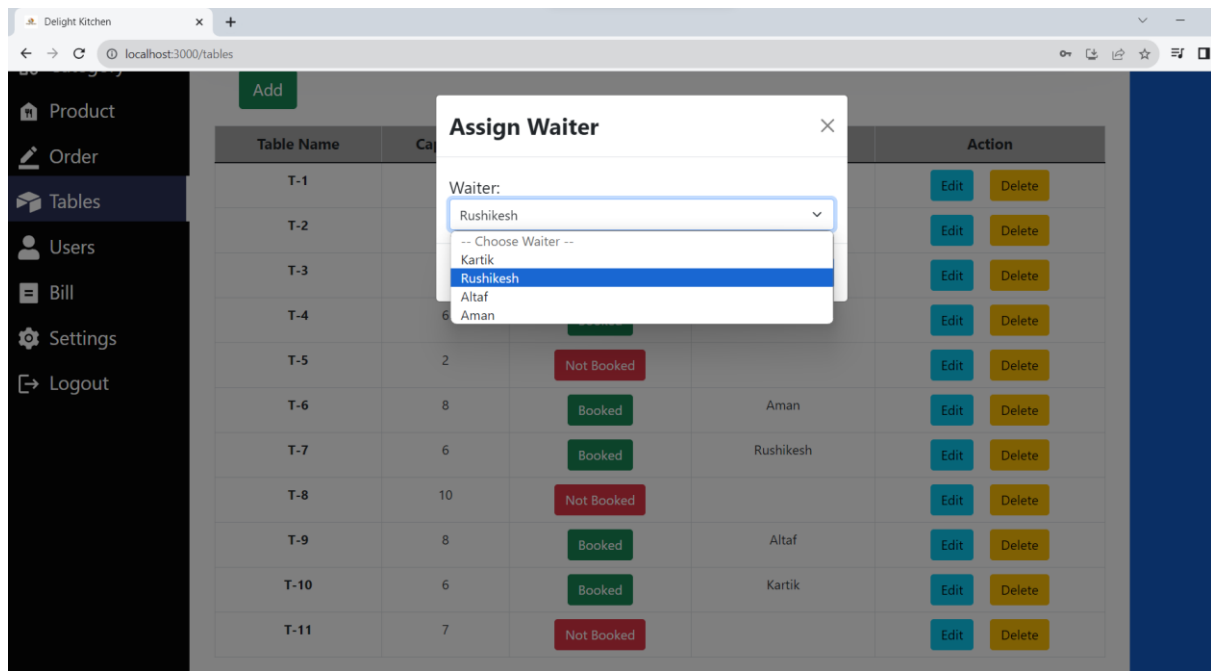
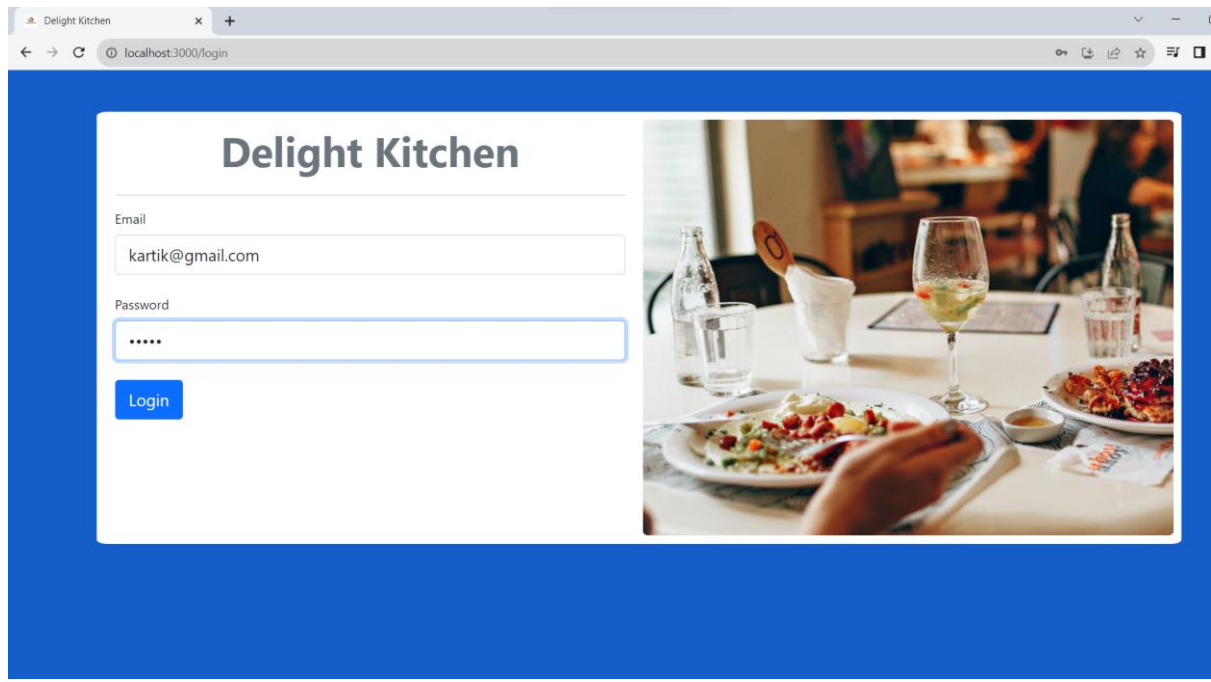
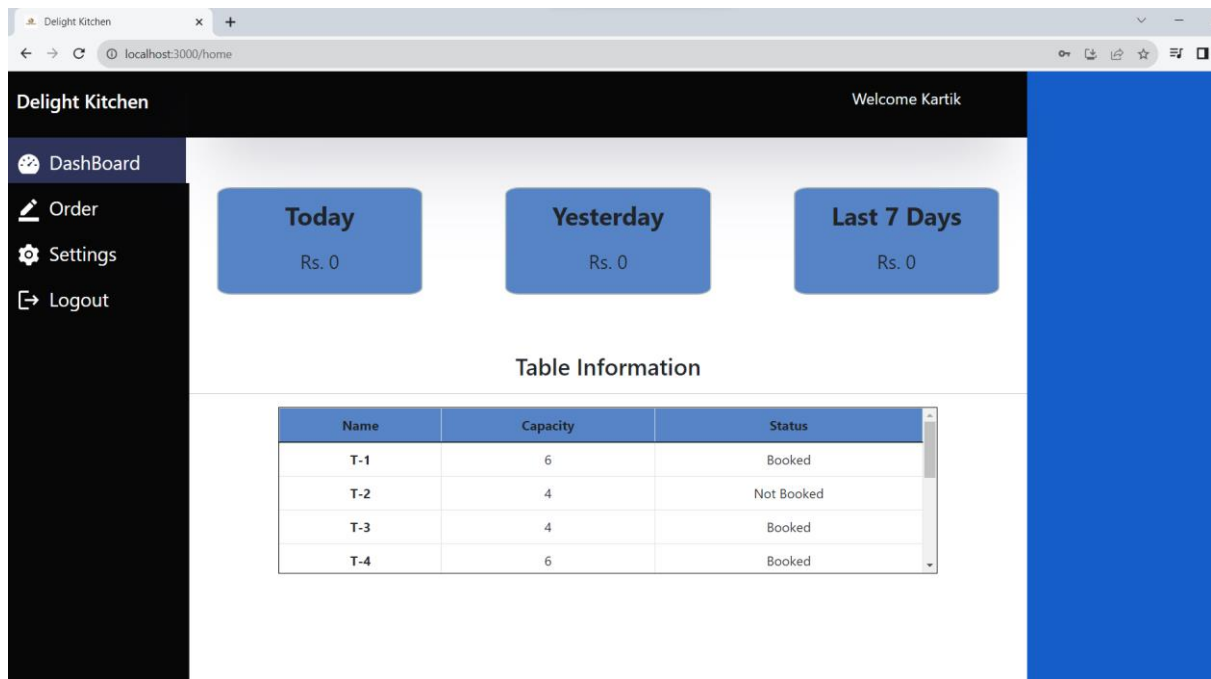


Table Name	Capacity	Status	Waiter Name	Action
T-1	6	Booked	Kartik	Edit Delete
T-2	4	Not Booked		Edit Delete
T-3	4	Booked	Altaf	Edit Delete
T-4	6	Booked	Rushikesh	Edit Delete
T-5	2	Not Booked		Edit Delete
T-6	8	Booked	Aman	Edit Delete
T-7	6	Booked	Rushikesh	Edit Delete
T-8	10	Not Booked		Edit Delete
T-9	8	Booked	Altaf	Edit Delete
T-10	6	Booked	Kartik	Edit Delete
T-11	7	Not Booked		Edit Delete

## NOW LOGIN BY WAITER

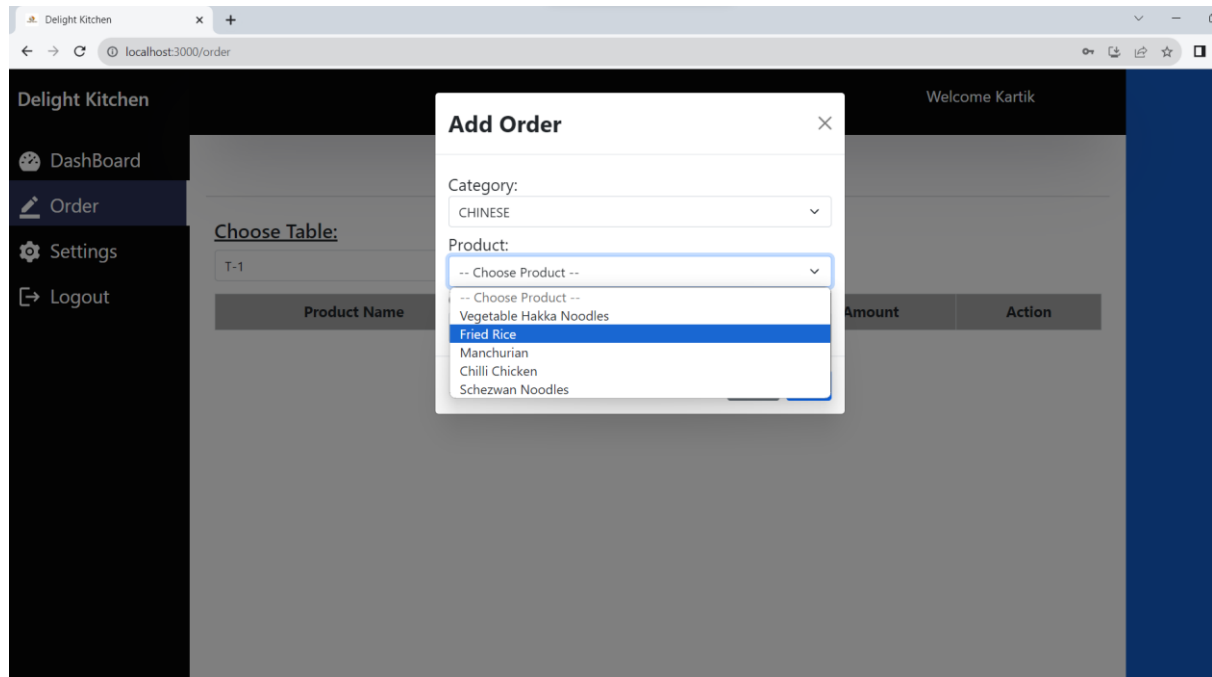


## USER INTERFACE OF WAITER

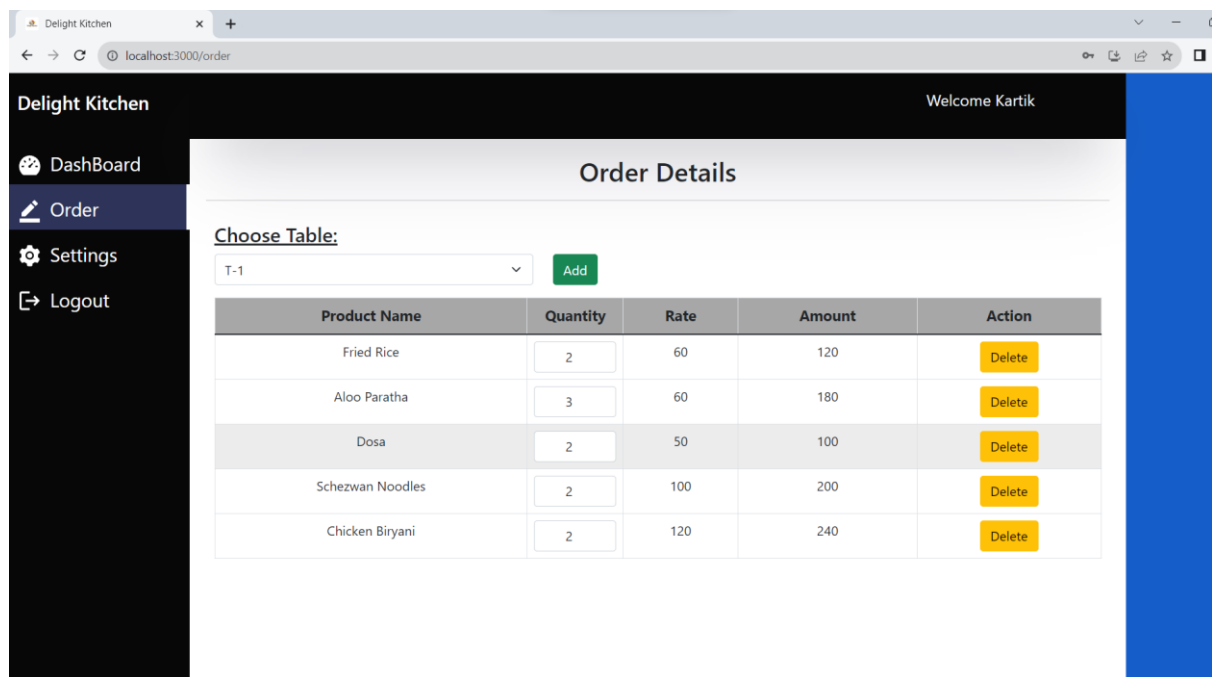




## ORDER TAKING BY WAITER OF T-1 TABLE CUSTOMERS



## ORDERS TAKEN BY WAITEER FROM T-1 TABLE WHICH WILL BE HANDELED BY CHEF



## WAITER CAN CHANGE HIS PASSWORD , NAME OR USER ID FROM SETTING SECTION

The screenshot shows a web browser at localhost:3000/setting. The page has a dark sidebar with 'Delight Kitchen' and 'Welcome Kartik' at the top. The sidebar menu includes 'DashBoard', 'Order', 'Settings' (highlighted), and 'Logout'. The main content area is titled 'Update Details' and contains four input fields: 'Name' (Kartik), 'Email' (kartik@gmail.com), 'Phone' (9632458710), and 'Password' (empty). A blue 'Update' button is at the bottom of the form.

Delight Kitchen

Welcome Kartik

DashBoard

Order

Settings

Logout

Update Details

Name

Kartik

Email

kartik@gmail.com

Phone

9632458710

Password

Update

## CHEF (PRASAD) LOGGED IN

The screenshot shows a web browser at localhost:3000/home. The page has a dark sidebar with 'Delight Kitchen' and 'Welcome Prasad' at the top. The sidebar menu includes 'DashBoard' (highlighted), 'Category', 'Product', 'Settings', 'Logout', and 'Orders'. The main content area shows three blue boxes for 'Today', 'Yesterday', and 'Last 7 Days', each with 'Rs. 0'. Below these is a 'Table Information' section with a table containing 4 rows and 3 columns: Name, Capacity, and Status.

Delight Kitchen

Welcome Prasad

DashBoard

Category

Product

Settings

Logout

Orders

Today

Rs. 0

Yesterday

Rs. 0

Last 7 Days

Rs. 0

Table Information

Name	Capacity	Status
T-1	6	Booked
T-2	4	Not Booked
T-3	4	Booked
T-4	6	Booked

## CHEF CAN SEE PENDING ORDER LIST

The screenshot shows a web browser window with the URL `localhost:3000/orderchef`. The application header includes the logo "Delight Kitchen" and a welcome message "Welcome Prasad". A sidebar on the left contains navigation links: Dashboard, Category, Product, Settings, Logout, and Orders (which is highlighted). The main content area is titled "Order List" and displays a table with the following data:

Order No.	Table Name	Status	Action
1	T-1	Pending	<button>View</button>

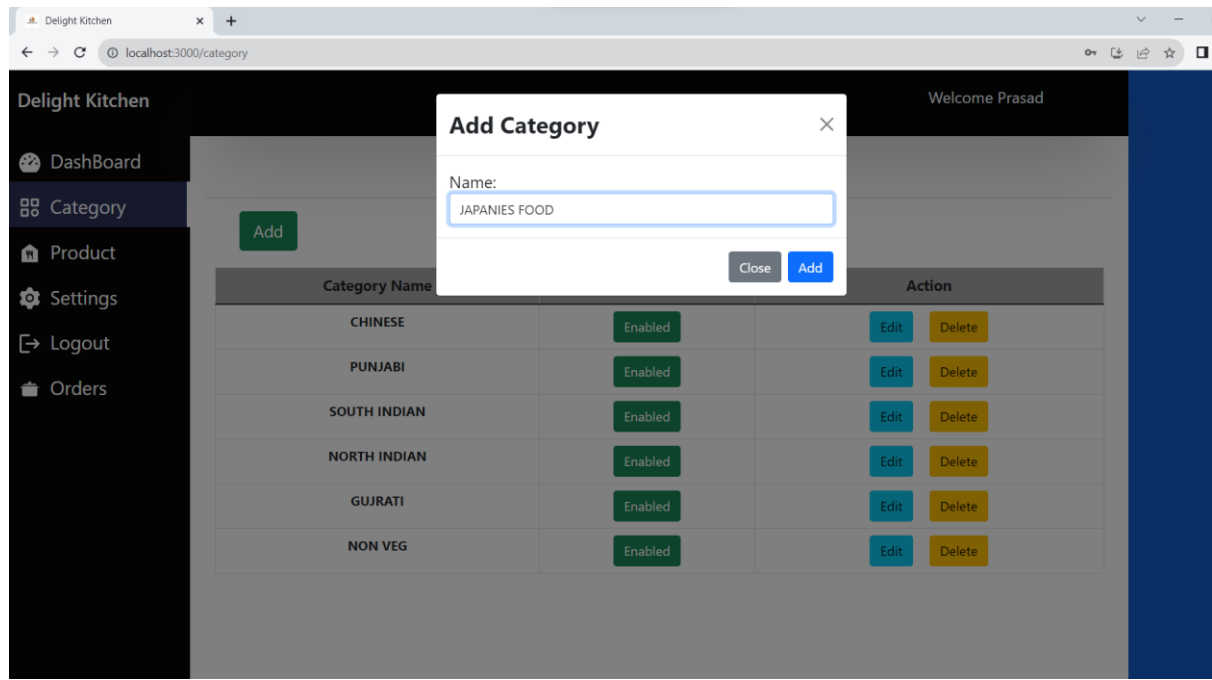
## CHEF CAN MANAGE APPROVE/ COMPLETE ORDER

The screenshot shows the same web browser window as before, but with a modal window titled "Order Items" open. The modal contains a table with the following data:

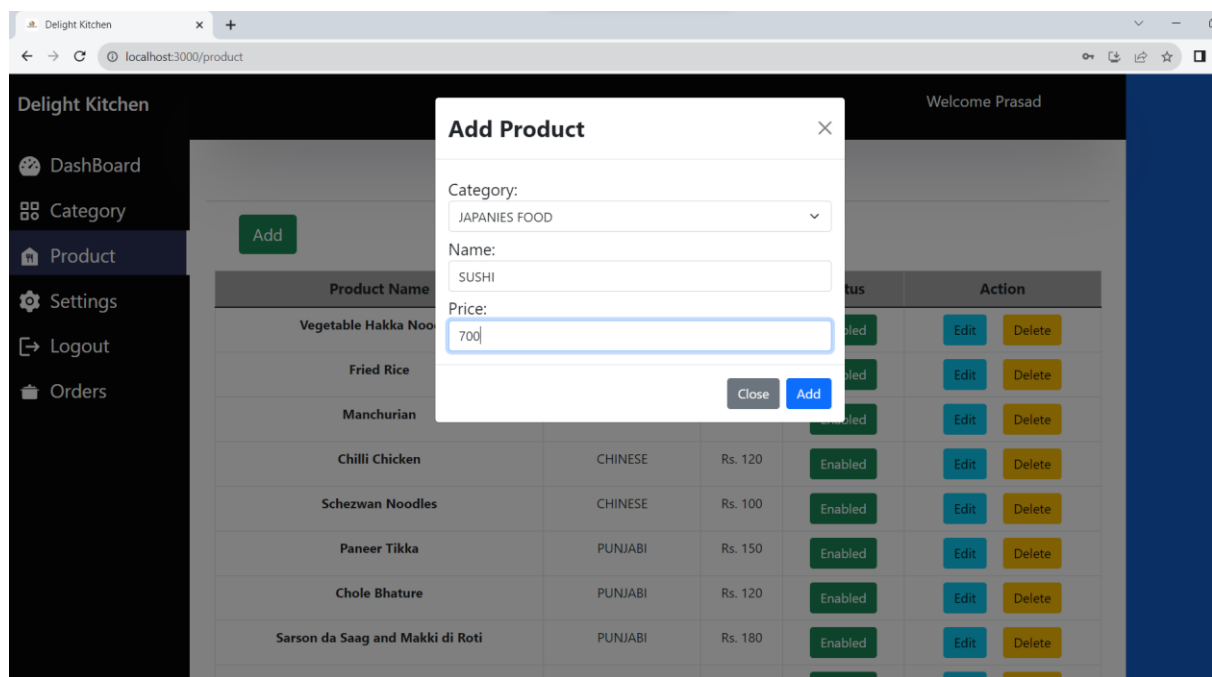
Sr No.	Product Name	Quantity
1	Fried Rice	2
2	Aloo Paratha	3
3	Dosa	2
4	Schezwan Noodles	2
5	Chicken Biryani	2

At the bottom of the modal, there are two buttons: "Close" and "Completed".

## CHEF CAN ADD/DELETE/DISABLE/ENABLE /EDIT FOOD CATEGORIES

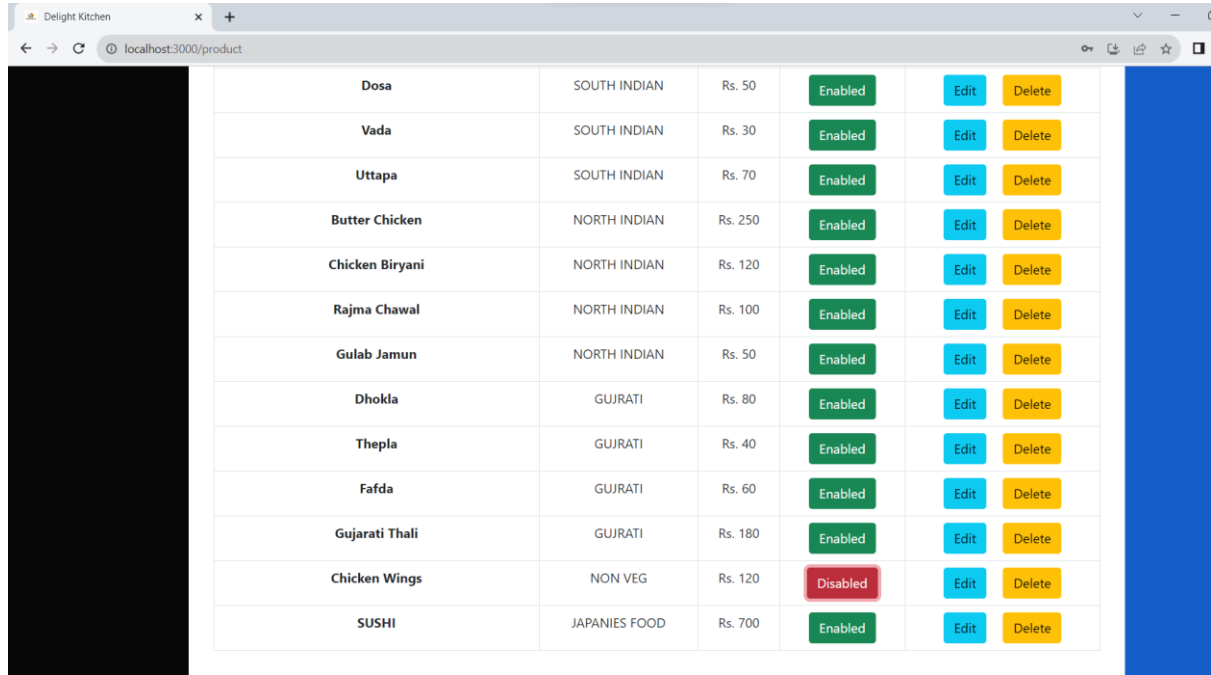


## CHEF CAN ADD/DELETE FOOD PRODUCT



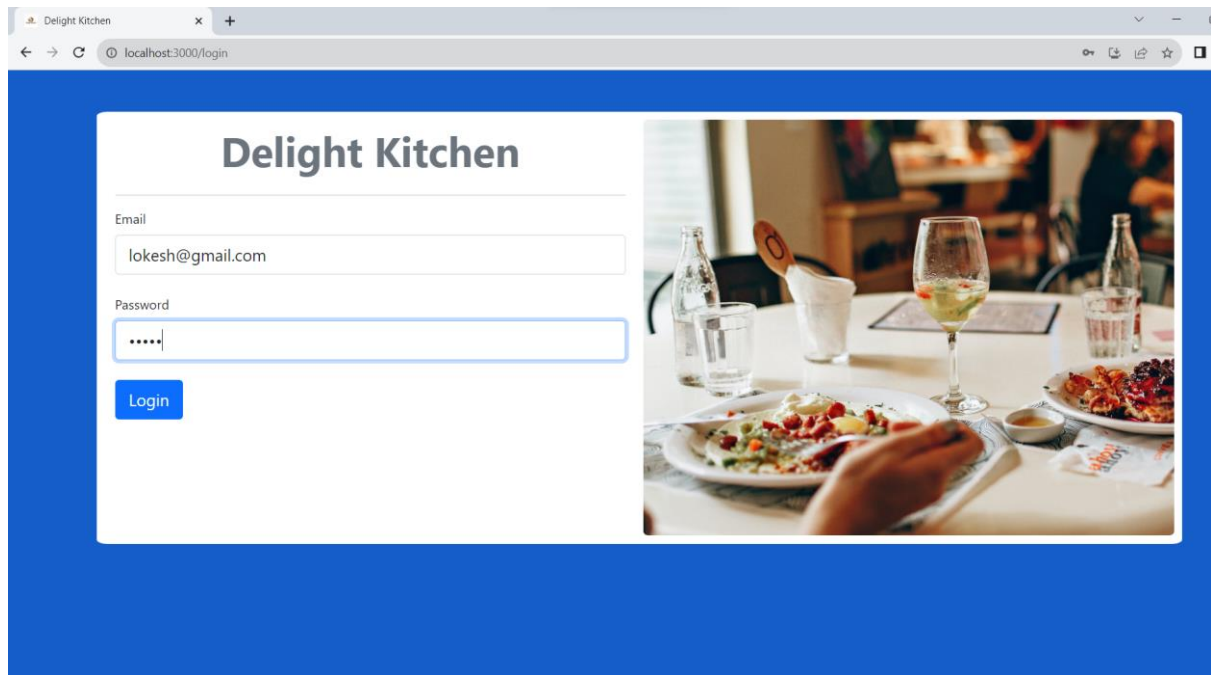
## JAPANESE FOOD PRODUCT SUSHI ADDED BY CHEF

## CHICKEN WINGS DISABLED BY CHEF DUE TO ANAVAILABILITY



Dosa	SOUTH INDIAN	Rs. 50	Enabled	Edit	Delete
Vada	SOUTH INDIAN	Rs. 30	Enabled	Edit	Delete
Uttapa	SOUTH INDIAN	Rs. 70	Enabled	Edit	Delete
Butter Chicken	NORTH INDIAN	Rs. 250	Enabled	Edit	Delete
Chicken Biryani	NORTH INDIAN	Rs. 120	Enabled	Edit	Delete
Rajma Chawal	NORTH INDIAN	Rs. 100	Enabled	Edit	Delete
Gulab Jamun	NORTH INDIAN	Rs. 50	Enabled	Edit	Delete
Dhokla	GUJRATI	Rs. 80	Enabled	Edit	Delete
Thepla	GUJRATI	Rs. 40	Enabled	Edit	Delete
Fafda	GUJRATI	Rs. 60	Enabled	Edit	Delete
Gujarati Thali	GUJRATI	Rs. 180	Enabled	Edit	Delete
Chicken Wings	NON VEG	Rs. 120	Disabled	Edit	Delete
SUSHI	JAPANIES FOOD	Rs. 700	Enabled	Edit	Delete

## LOKESH CHOUDHARY LOG IN AS A CASHIER USING CREDENTIAL



**Delight Kitchen**

Email

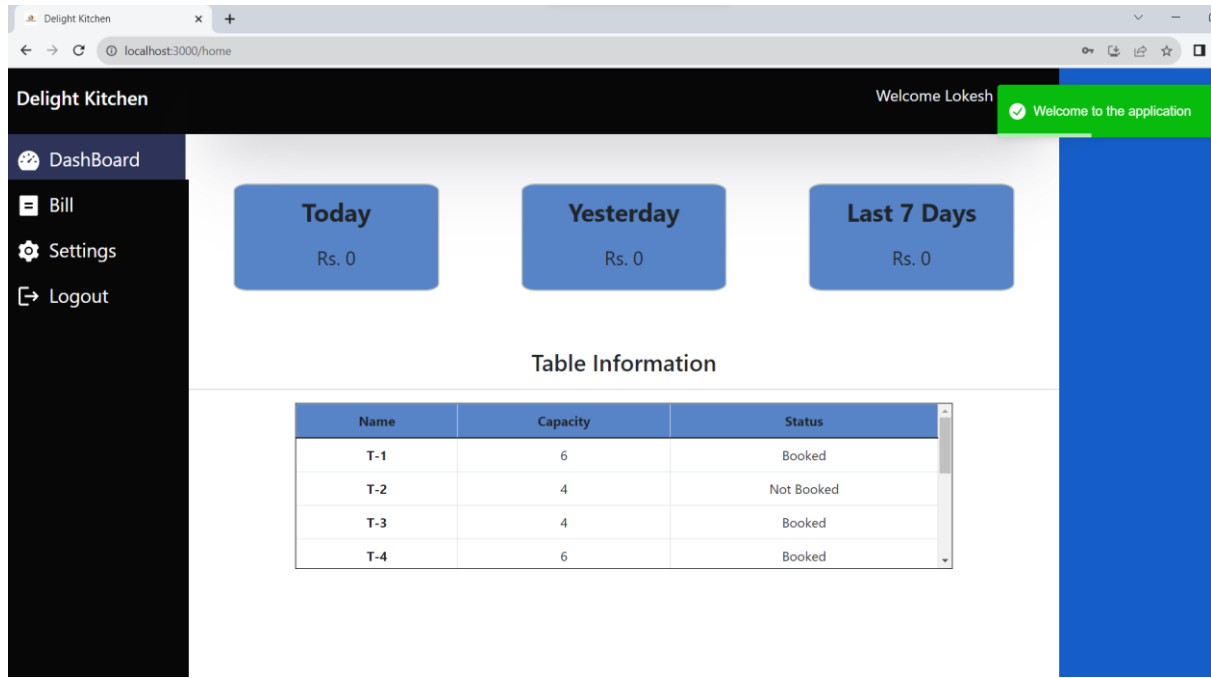
lokesh@gmail.com

Password

.....

Login

## DASHBOARD OF CASHIER



The screenshot shows the 'Delight Kitchen' dashboard for a cashier named Lokesh. The interface includes a sidebar with navigation links: Dashboard, Bill, Settings, and Logout. The main content area displays three summary cards for 'Today', 'Yesterday', and 'Last 7 Days', all showing 'Rs. 0'. Below these is a 'Table Information' section with a table listing four tables (T-1 to T-4) with their capacities and booking statuses.

Delight Kitchen Welcome Lokesh

Dashboard

Bill

Settings

Logout

Today Rs. 0

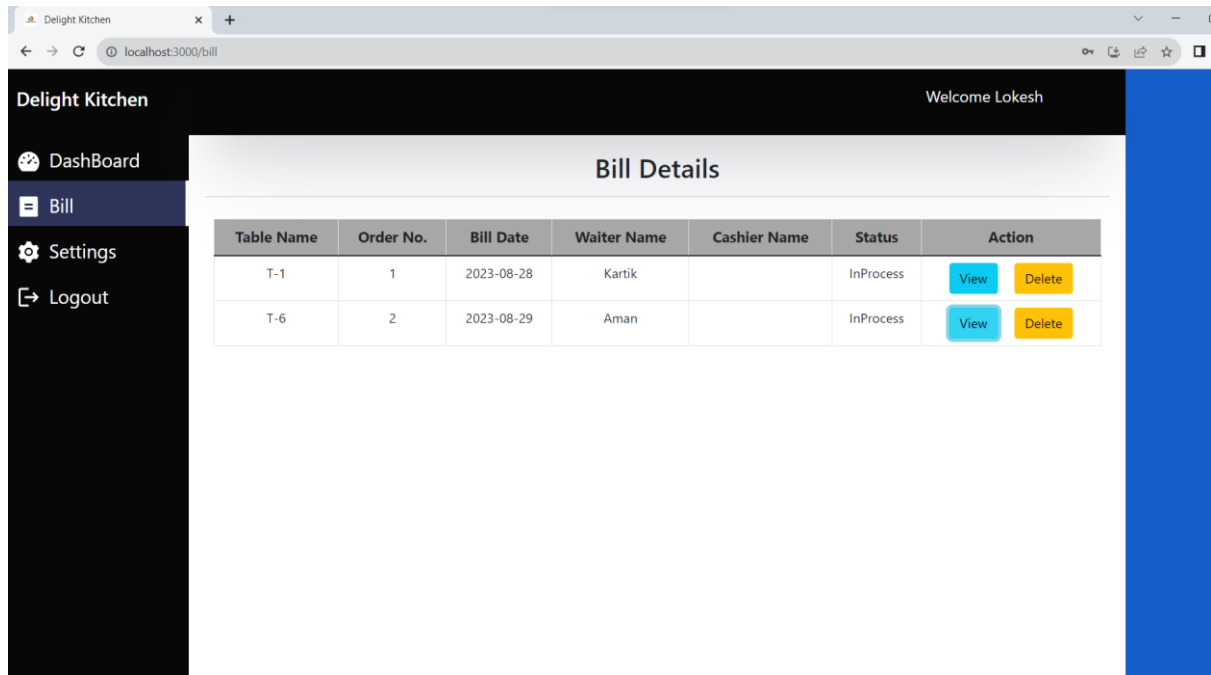
Yesterday Rs. 0

Last 7 Days Rs. 0

Table Information

Name	Capacity	Status
T-1	6	Booked
T-2	4	Not Booked
T-3	4	Booked
T-4	6	Booked

## CASHIER CAN VIEW COMPLETED AND PENDING PAYMENT BILLS



The screenshot shows the 'Delight Kitchen' bill details page for a cashier named Lokesh. The interface includes a sidebar with navigation links: Dashboard, Bill, Settings, and Logout. The main content area displays a 'Bill Details' table with columns for Table Name, Order No., Bill Date, Waiter Name, Cashier Name, Status, and Action. The table lists two bills: one for Table T-1 (Order No. 1, Status InProcess) and one for Table T-6 (Order No. 2, Status InProcess). Each bill has 'View' and 'Delete' buttons.

Delight Kitchen Welcome Lokesh

Dashboard

Bill

Settings

Logout

Bill Details

Table Name	Order No.	Bill Date	Waiter Name	Cashier Name	Status	Action
T-1	1	2023-08-28	Kartik		InProcess	<a href="#">View</a> <a href="#">Delete</a>
T-6	2	2023-08-29	Aman		InProcess	<a href="#">View</a> <a href="#">Delete</a>

## CAHIER CAN GENERATE BILLS WITH APPLY DISCOUNTS (if needed) AND TAXES

**Bill**

Product Name	Quantity	Rate	Amount
Chole Bhature	2	120	240
Gulab Jamun	5	50	250
Fafda	6	60	360
Calculate Total			Rs. 0
Tax(5%)			Rs. 0
Discount(%) 10			Rs. 0
Amount			Rs. 0
Payment Method			Cash

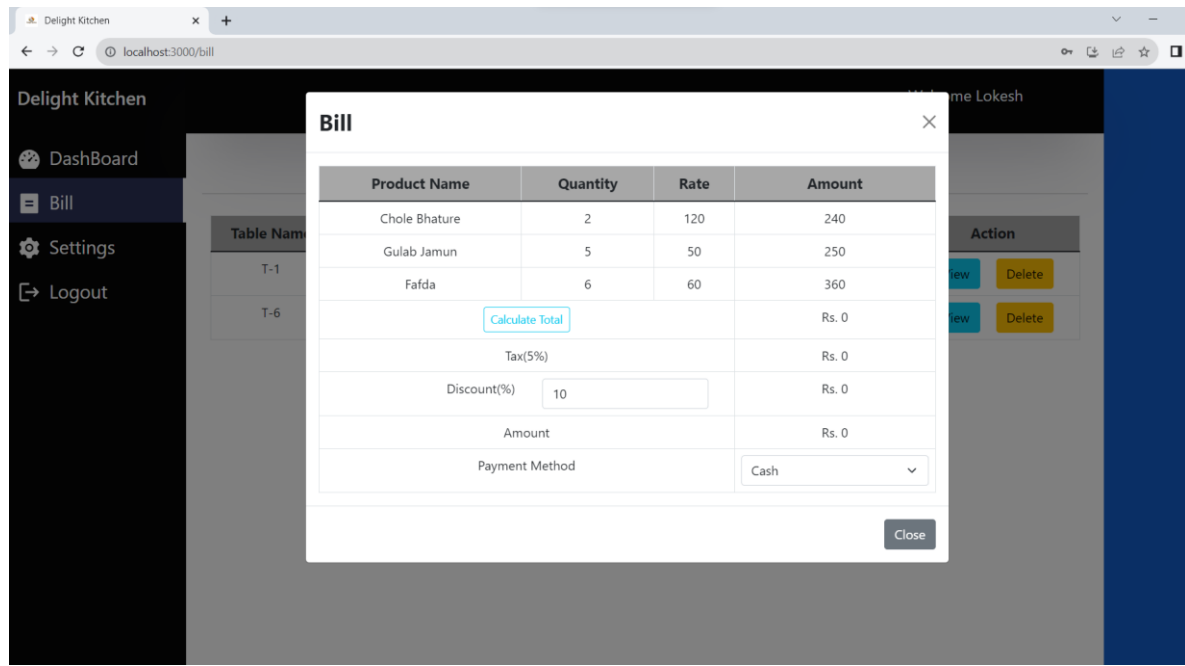
Close Paid

## PAYMENT DONE AFTER ORDER IS COMPLETED

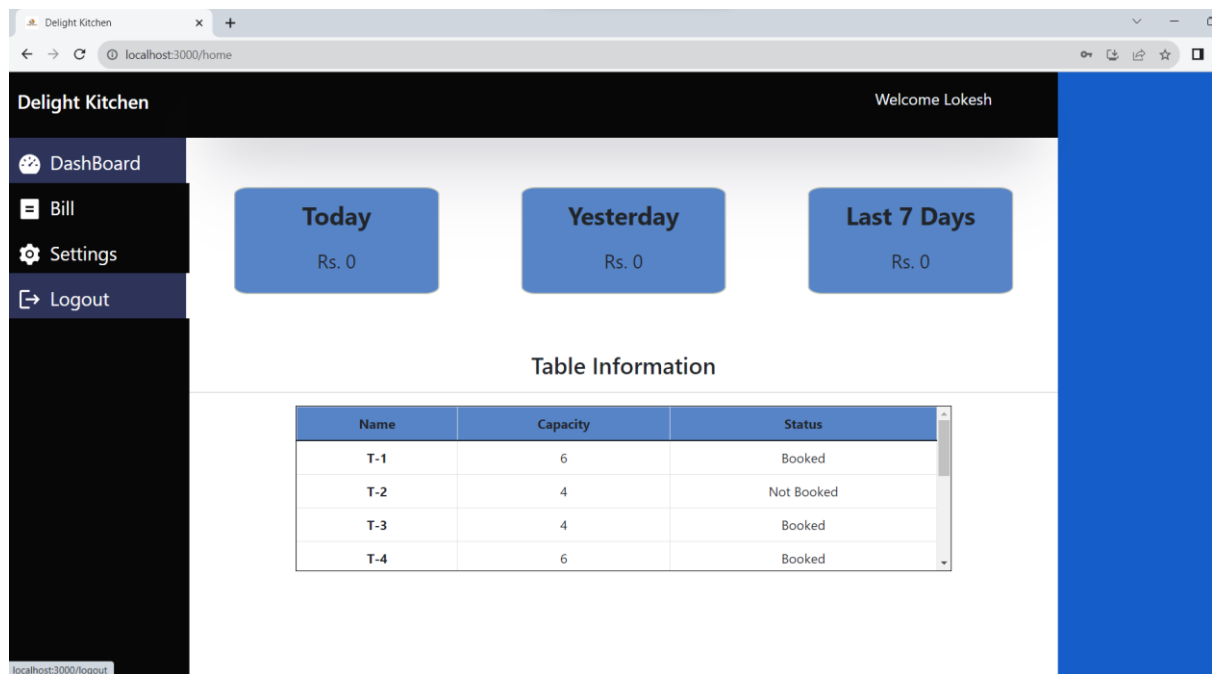
**Bill Details**

Table Name	Order No.	Bill Date	Waiter Name	Cashier Name	Status	Action
T-1	1	2023-08-28	Kartik		InProcess	<button>View</button> <button>Delete</button>
T-6	2	2023-08-29	Aman	Lokesh	Completed	<button>View</button> <button>Delete</button>

## PAYMENT REFLECTED IN DASHBOARD AFTER PAYMENT IS DONE & DASHBOARD SHOWS TODAYS ALL ORDERS IN RS



## ALL THE USERS(STAFF ) CAN LOGOUT FROM APPLICATION FROM LOGOUT SECTION OF THEIR RESPECTIVELY UI





## CAHIER CAN ALSO CHANGE HIS PASSWORD / NAME / USERID

The screenshot displays a web browser window with the address bar showing 'localhost:3000/setting'. The application header is dark blue with 'Delight Kitchen' on the left and 'Welcome Lokesh' on the right. A vertical sidebar on the left contains navigation links: 'DashBoard', 'Bill', 'Settings' (highlighted), and 'Logout'. The main content area features a white 'Update Details' form with the following fields: 'Name' (containing 'Lokesh'), 'Email' (containing 'lokes@gmail.com'), 'Phone' (containing '7856352345'), and 'Password' (empty). A blue 'Update' button is located at the bottom of the form. A solid blue vertical bar is positioned on the far right of the page.

## **6. Conclusion**

Restaurant management system puts forth the actual working of a restaurant. Staff management, food item and category management, bill management, order management, table management, etc. similar to a restaurant are the key features of our project. Staff person having their job can access different functionalities of the application to service the visited customer effectively and additionally manager can there to monitor the workflow of the whole restaurant.

### **Future Scope**

As the saying goes, necessity is the mother of invention, and nothing spurs innovation in technology for better restaurant management we are comes with this application which will improve the customer experience , there is no confusion due to large number of orders because of this application .

Now in future we can add some additionally feature in this application like cloud kitchen , different type of online payment method and like home delivery options like feature we can add in future, this single application can use by restaurant to restaurant management , online food ordering , employees payroll management like everything related to restaurant we can manage A to Z .

In futures we can improve better UI so the user experience also becomes smothering. 95% of restaurant operators view the ability to improve guest satisfaction and the quality of the guest experience as one of the biggest benefits one can expect to gain with the right restaurant management

This system will help to manage the restaurant business systematically. In this management system, we will provide a web application that can be used by the Manager along with the staff of that restaurant to manage the food orders given by the customers, so that the manager of that restaurant can monitor and ensure the smooth conduct of the whole system.

This will lead to serving food faster and ultimately a better kitchen place to revisit it again. In addition to this, the system is capable of hiring different job roles required for a restaurant, the required information about staff will be saved in the system which can be only accessed by the system admin.

## **7. References**

- ❖ JavaScript Enlightenment, Cody Lindley-First Edition, based on JavaScript 1.5, ECMA-262, Edition
- ❖ Mc Graw Hill's, Java: The complete reference 7thEdition, Herbert Scheldt
- ❖ Complete CSS Guide, Maxine Sherrin and John Allsopp-O'ReillyMedia; September 2012

### **ONLINE REFERENCE**

- ❖ IEEE recommended practices for SRS. ANSI / IEEE Std 830 – 1993.
- ❖ <https://www.geeksforgeeks.org/levels-in-data-flow-diagrams-dfd/>
- ❖ [www.javatpoint.com/](http://www.javatpoint.com/)
- ❖ <https://www.w3schools.com/> :- online tutorials website.

