

## **1. INTRODUCTION TO PROJECT**

**InstaFood** is a full-stack, role-based food delivery platform designed to streamline online food ordering, restaurant management, and delivery operations within a single unified system. The application supports multiple user roles—**Customer, Restaurant, Delivery Partner, and Admin**—each with clearly defined permissions and tailored user experiences.

The **frontend**, developed using **React**, implements role-based protected routes and conditional rendering to ensure secure and intuitive navigation for different users. Seamless communication with the backend is achieved through **Axios**, enabling token-based authentication and smooth UI-API integration.

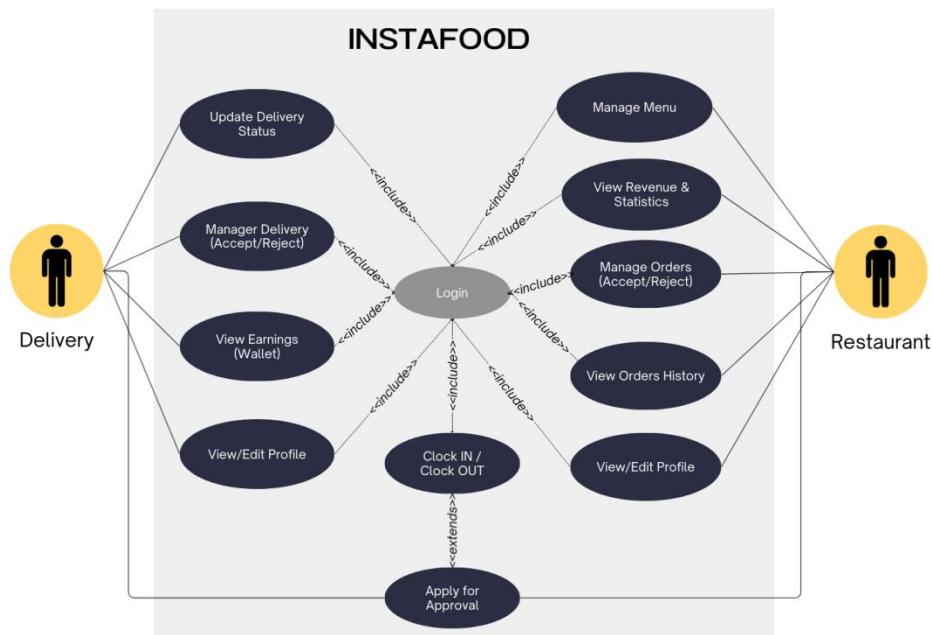
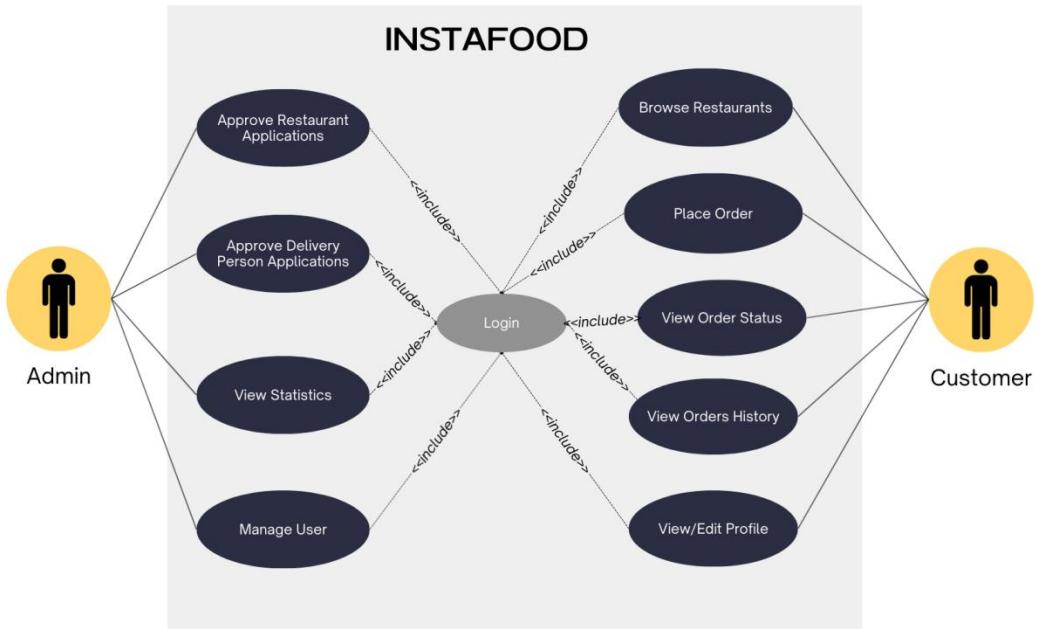
The **backend** is built with **Spring Boot**, exposing RESTful APIs using a layered architecture that strictly follows **SOLID principles**. **JWT-based authentication and authorization** are implemented to enforce secure, role-specific access across the platform.

A **MySQL relational database** is designed to handle multi-restaurant onboarding, order management, delivery workflows, and administrative controls while maintaining data integrity and optimized performance.

For **deployment**, the application is containerized using **Docker** and deployed on an **AWS EC2 instance**, ensuring scalability, portability, and environment-independent execution. **Git** is used for source code management, following standard version control practices throughout the development lifecycle.

# 1. REQUIREMENTS

## 2.1 FUNCTIONAL REQUIREMENTS



### 2.1.1 LOGIN – ROLE-BASED ACCESS

The system shall provide a secure login mechanism using role-based authentication. Based on the authenticated user role (Customer, Restaurant, Delivery Partner, or Admin), the system shall grant access to authorized functionalities only.

#### **2.1.2 REGISTRATION OF USER**

The system shall allow new users to register by providing valid details. During registration, users can choose their role, and the system shall store the information securely in the database.

#### **2.1.3 CUSTOMER FUNCTIONALITY**

The system shall allow customers to:

- ✓ Register and log in securely
- ✓ Browse restaurants and view available menus
- ✓ Place food orders and track order status
- ✓ View order history and manage profile details

#### **2.1.4 RESTAURANT FUNCTIONALITY**

The system shall allow restaurants to:

- ✓ Register and manage restaurant profiles
- ✓ Add, update, and manage menu items
- ✓ Accept or reject customer orders
- ✓ Update order preparation status

#### **2.1.5 DELIVERY PARTNER FUNCTIONALITY**

The system shall allow delivery partners to:

- ✓ Register and log in securely
- ✓ View assigned delivery orders
- ✓ Update delivery status (picked up, delivered)
- ✓ Manage personal and availability details

### 2.1.6 ADMIN FUNCTIONALITY

The system shall allow administrators to:

- ✓ Manage users across all roles
- ✓ Approve or block restaurants and delivery partners
- ✓ Monitor system activities and orders
- ✓ Maintain overall platform integrity

## 2.2 NON-FUNCTIONAL REQUIREMENTS

### 2.2.1 INTERFACE

The system shall provide a user-friendly and responsive interface for all user roles.

Refer to Appendix B for detailed user interface designs.

### 2.2.2 PERFORMANCE

- ✓ The system shall respond efficiently during critical operations such as placing an order.
- ✓ API responses shall be optimized to ensure minimal latency under normal load conditions.

### 2.2.3 CONSTRAINTS

- ✓ The application shall be developed using specified technologies only.
- ✓ The system shall require an active internet connection to function.
- ✓ Deployment shall be performed on a cloud-based environment.

### 2.2.4 OTHER REQUIREMENTS

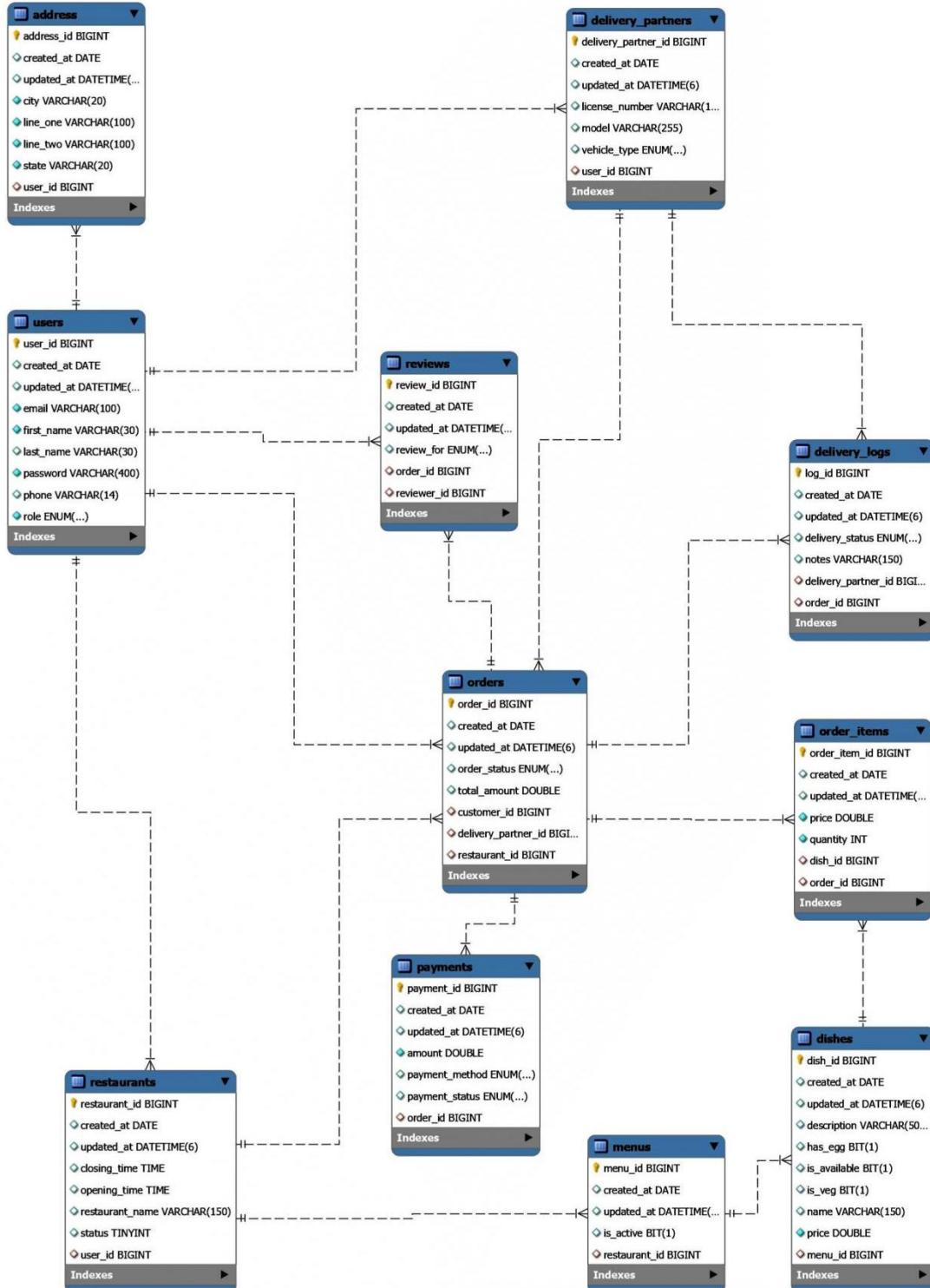
Software Requirements

- ✓ Spring Boot
- ✓ MySQL
- ✓ Spring Security (JWT)
- ✓ React

## 2. DESIGN

### 3.1 DATABASE DESIGN

The following table structures depict the database design.



```
mysql> desc address;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| address_id | bigint | NO | PRI | NULL | auto_increment |
| user_id | bigint | NO | UNI | NULL | |
| line_one | varchar(150) | NO | | NULL | |
| line_two | varchar(150) | YES | | NULL | |
| city | varchar(100) | NO | MUL | NULL | |
| state | varchar(100) | NO | | NULL | |
| postal_code | varchar(10) | NO | MUL | NULL | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0.01 sec)
```

```
mysql> desc categories;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| category_id | bigint | NO | PRI | NULL | auto_increment |
| name | varchar(100) | NO | UNI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> desc delivery_logs;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| log_id | bigint | NO | PRI | NULL | auto_increment |
| order_id | bigint | NO | UNI | NULL | |
| delivery_partner_id | bigint | NO | MUL | NULL | |
| delivery_status | enum('ASSIGNED','PICKED_UP','DELIVERED','CANCELLED') | NO | MUL | NULL | |
| notes | varchar(150) | YES | | NULL | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> desc delivery_partners;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| delivery_partner_id | bigint | NO | PRI | NULL | auto_increment |
| user_id | bigint | NO | UNI | NULL | |
| license_number | varchar(20) | NO | UNI | NULL | |
| model | varchar(50) | NO | | NULL | |
| vehicle_type | enum('BICYCLE','BIKE','SCOOTER','CAR','EV') | NO | MUL | NULL | |
| status | enum('AVAILABLE','UNAVAILABLE','INACTIVE','PENDING','REJECTED') | NO | MUL | PENDING | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

```
mysql> desc dish_categories;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| dish_id | bigint | NO | PRI | NULL | |
| category_id | bigint | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> desc dishes;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| dish_id | bigint | NO | PRI | NULL | auto_increment |
| name | varchar(150) | NO | MUL | NULL | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> desc menu_dishes;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| menu_id | bigint | NO | PRI | NULL | |
| dish_id | bigint | NO | PRI | NULL | |
| description | varchar(255) | YES | | NULL | |
| price | decimal(10,2) | NO | | NULL | |
| is_available | tinyint(1) | NO | MUL | 1 | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> desc menus;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| menu_id | bigint | NO | PRI | NULL | auto_increment |
| restaurant_id | bigint | NO | UNI | NULL | |
| is_active | tinyint(1) | NO | MUL | 1 | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> desc orders;
+-----+-----+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+-----+-----+
| order_id | bigint | NO | PRI | NULL | auto_increment |
| customer_id | bigint | NO | MUL | NULL | |
| restaurant_id | bigint | NO | MUL | NULL | |
| delivery_partner_id | bigint | NO | MUL | NULL | |
| order_status | enum('PLACED','ACCEPTED','PREPARING','ASSIGNED','OUT_FOR_DELIVERY','DELIVERED','CANCELLED') | NO | MUL | PLACED | |
| total_amount | decimal(10,2) | NO | | NULL | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

```
mysql> desc order_items;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| order_item_id | bigint | NO | PRI | NULL | auto_increment |
| order_id | bigint | NO | MUL | NULL | |
| dish_id | bigint | NO | MUL | NULL | |
| quantity | int | NO | | NULL | |
| price | decimal(10,2) | NO | | NULL | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> desc payments;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| payment_id | bigint | NO | PRI | NULL | auto_increment |
| order_id | bigint | NO | MUL | NULL | |
| payment_method | enum('CASH','UPI','CARD') | NO | | NULL | |
| payment_status | enum('PENDING','PAID','FAILED') | NO | | NULL | |
| created_at | date | NO | | curdate() | DEFAULT_GENERATED |
| updated_at | datetime(6) | NO | | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6) |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

```
mysql> desc reviews;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra
+-----+-----+-----+-----+-----+
| review_id | bigint | NO | PRI | NULL | auto_increment
| order_id | bigint | NO | MUL | NULL |
| reviewer_id | bigint | NO | MUL | NULL |
| review_for | enum('RESTAURANT_REVIEW', 'DELIVERY_PARTNER_REVIEW') | NO | NULL |
| rating | int | NO | NULL |
| notes | varchar(300) | YES | NULL |
| created_at | date | NO | curdate() | DEFAULT_GENERATED
| updated_at | datetime(6) | NO | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6)
+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

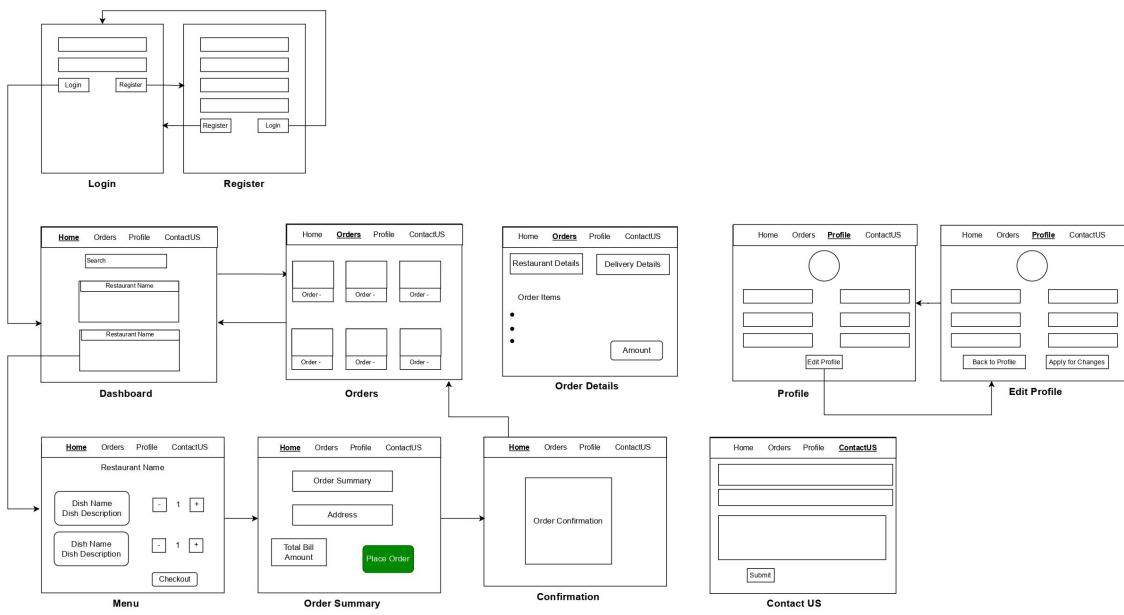
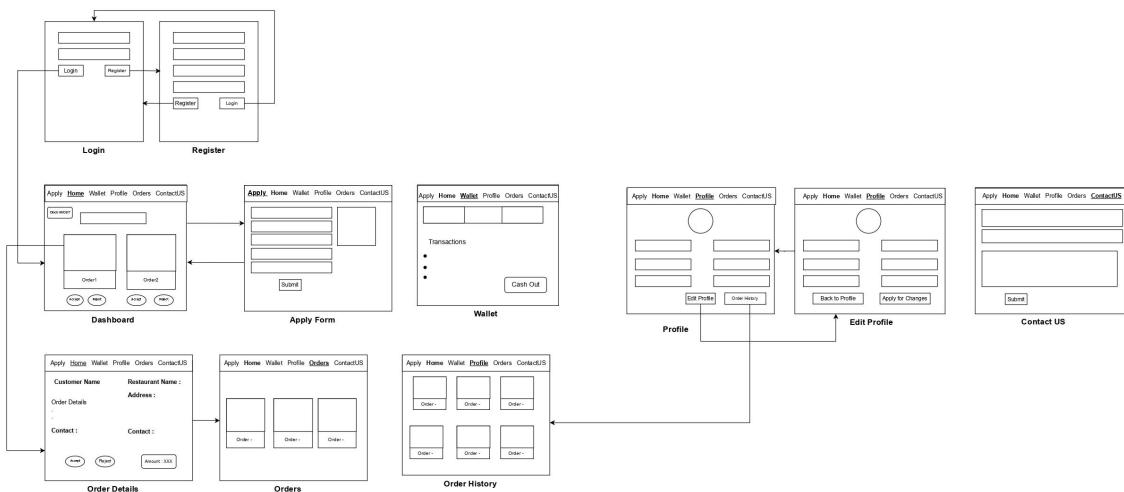
```
mysql> desc users;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra
+-----+-----+-----+-----+-----+
| user_id | bigint | NO | PRI | NULL | auto_increment
| first_name | varchar(50) | NO | NULL | |
| last_name | varchar(50) | NO | UNI | NULL |
| email | varchar(254) | YES | UNI | NULL |
| phone | varchar(15) | NO | UNI | NULL |
| password | varchar(255) | NO | NULL |
| role | enum('ROLE_CUSTOMER', 'ROLE_RESTAURANT', 'ROLE_ADMIN', 'ROLE_DELIVERY_PARTNER') | NO | MUL | NULL |
| profile_picture_url | longblob | YES | NULL |
| created_at | date | NO | curdate() | DEFAULT_GENERATED
| updated_at | datetime(6) | NO | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6)
+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```

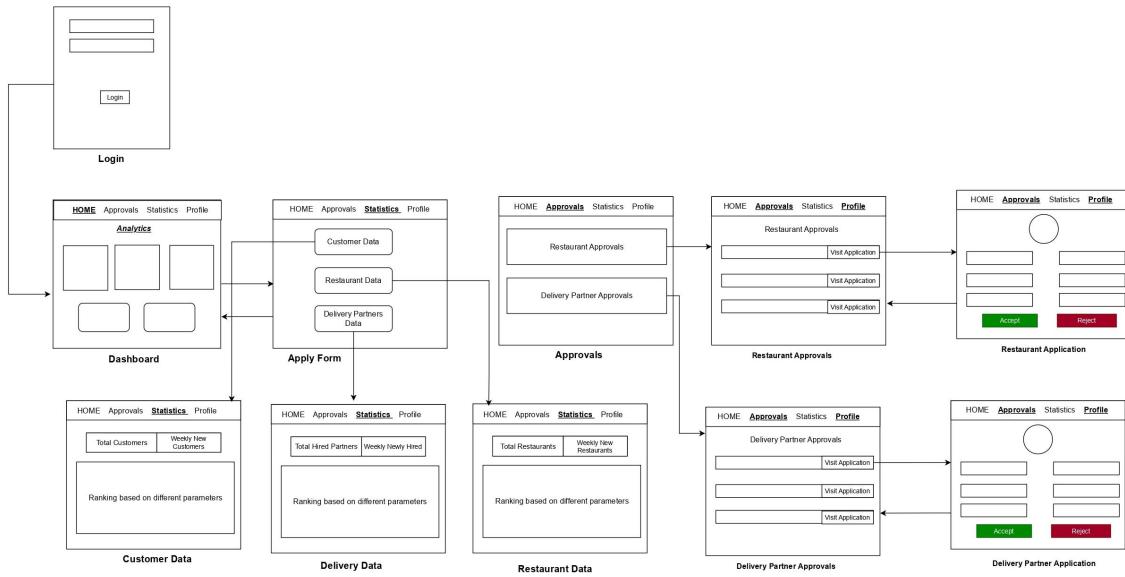
```
mysql> desc restaurants;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra
+-----+-----+-----+-----+-----+
| restaurant_id | bigint | NO | PRI | NULL | auto_increment
| user_id | bigint | NO | UNI | NULL |
| restaurant_name | varchar(150) | NO | NULL |
| opening_time | time | NO | NULL |
| closing_time | time | NO | NULL |
| restaurant_image | longblob | YES | NULL |
| status | enum('AVAILABLE', 'UNAVAILABLE', 'INACTIVE', 'PENDING', 'REJECTED') | NO | MUL | PENDING |
| created_at | date | NO | curdate() | DEFAULT_GENERATED
| updated_at | datetime(6) | NO | CURRENT_TIMESTAMP(6) | DEFAULT_GENERATED on update CURRENT_TIMESTAMP(6)
+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

### 3.2 E-R DIAGRAM, DATAFLOW DIAGRAM AND CLASS DIAGRAM:

#### Restaurant



CustomerDelivery

**Admin****4. CODING STANDARDS IMPLEMENTED****4.1 NAMING AND CAPITALIZATION**

To maintain code readability, consistency, and scalability across the InstaFood application, standard naming and capitalization conventions have been strictly followed. The project primarily uses **Pascal Case** and **Camel Case** based on the type of identifier.

Identifier Type	Naming Convention	Examples	Additional Notes
Class	Pascal Case	User, Restaurant, OrderDetails, DeliveryPartner	Class names represent real-world entities and are nouns. Underscores (_) are not allowed. Type prefixes (e.g., CUser) are avoided.
Method	Camel Case	placeOrder(), updateRestaurantStatus(), getOrderDetails()	Method names use verbs or verb phrases to indicate actions.
Parameter	Camel Case	userId, restaurantName, orderStatus	Parameter names are descriptive and meaningful, allowing clarity based on name and type.
Interface	Pascal Case	IUserService,	Interfaces start with I. Underscores

Identifier Type	Naming Convention	Examples	Additional Notes
	with I prefix	IRestaurantRepository	are not used.
Property / Field	Pascal Case	OrderStatus, DeliveryTime, TotalAmount	Property names use nouns or noun phrases representing data attributes.
Private Member Variable	Underscore Camel Case	_orderId, _restaurantName, _deliveryCharge	Private variables are prefixed with an underscore to distinguish them from public members.
Exception Class	Pascal Case with Exception suffix	OrderNotFoundException, InvalidUserException	Custom exception names clearly indicate the error scenario.

## 4.2 BENEFITS OF FOLLOWING CODING STANDARDS

- ✓ Improves readability and maintainability
- ✓ Ensures uniformity across team members
- ✓ Reduces debugging and integration issues
- ✓ Makes the codebase, scalable and professional
- ✓ Helps new developers quickly understand the project structure

## 5. TEST REPORT

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### 5.1 TESTING RESTAURANT

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
1	Get Restaurant ID	/restaurant/restaurantId	GET	userId	Returns restaurantId for given user	OK
2	Apply for Restaurant	/restaurant/apply	POST	RestaurantApplyDT	Restaurant application	OK

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
				O	submitted	
3	Approve Restaurant	/restaurant/apply/approve	GET	restaurantId	Restaurant approved by admin	OK
4	Toggle Restaurant Availability	/restaurant/availability	PUT	restaurantId	Restaurant availability toggled	OK
5	Get Restaurant Statistics	/restaurant/statistics	GET	restaurantId	Returns restaurant statistics	OK
6	Get Menu ID	/restaurant/menu	GET	restaurantId	Returns menuId of restaurant	OK
7	Get All Menu Dishes	/restaurant/menu/dishes	GET	restaurantId	Returns all dishes	OK
8	Get Available Dishes	/restaurant/menu/Dishes	GET	id	Returns only available dishes	OK
9	Toggle Dish Availability	/restaurant/menu/dishes	PUT	menuId, dishId	Dish availability updated	OK
10	Delete Dish	/restaurant/menu/dishes	DELETE	menuId, dishId	Dish deleted successfully	OK
11	Get Dish Categories	/restaurant/menu/dishes/add/categories	GET	—	Returns all dish categories	OK
12	Add New Dish	/restaurant/menu/dishes/add	POST	menuId, dish data	Dish added successfully	OK
13	Get Dish Details	/restaurant/menu/dishes/edit	GET	menuId, dishId	Returns dish details	OK
14	Update Dish Details	/restaurant/menu/dishes/edit	PATCH	menuId, dishId, updated data	Dish updated successfully	OK
15	Get Restaurant Profile	/restaurant/profile/restaurantId	GET	restaurantId	Returns restaurant profile	OK

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
16	Update Restaurant Profile	/restaurant/profile/restaurantId/{id}	PATCH	updated details	Profile updated successfully	OK
17	Get Placed Orders	/restaurant/orders/placed	GET	restaurantId	Returns placed orders	OK
18	Accept Order	/restaurant/orders/placed	PUT	orderId	Order accepted	OK
19	Get Preparing Orders	/restaurant/orders/preparing	GET	restaurantId	Returns preparing orders	OK
20	Prepare Order	/restaurant/orders/preparing	PUT	orderId	Order moved to preparing	OK
21	Get Assigned Orders	/restaurant/orders/assigned	GET	restaurantId	Returns assigned orders	OK
22	Get Delivered Orders	/restaurant/orders/delivered	GET	restaurantId	Returns delivered orders	OK
23	Get All Restaurants	/restaurant/list-restaurants	GET	—	Returns all restaurants	OK
24	Get Restaurants by Pincode	/restaurant/list-restaurants	GET	postalCode	Returns restaurants by pincode	OK

## 5.2 TESTING ADMIN

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
1	Get Admin Profile	/admin/profile	GET	—	Admin details fetched successfully	OK
2	Get Dashboard Summary	/admin/dashboard	GET	—	Total orders & dashboard data returned	OK

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
3	Get Order Status Stats	/admin/dashboard/order-status	GET	—	Order status statistics displayed	OK
4	Get Orders Per Day Stats	/admin/dashboard/orders-per-day	GET	—	Orders per day data returned	OK
5	Get Top Selling Items	/admin/dashboard/top-items	GET	—	Top selling items displayed	OK
6	Get Pending Restaurant Applications	/admin/approvals/restaurants	GET	—	List of pending restaurant applications	OK
7	Get Restaurant Application Details	/admin/approvals/restaurants/{id}	GET	application Id	Restaurant application details returned	OK
8	Approve Restaurant Application	/admin/approvals/restaurants/{id}/approve	PUT	application Id	Restaurant approved successfully	OK
9	Reject Restaurant Application	/admin/approvals/restaurants/{id}/reject	PUT	application Id	Restaurant rejected successfully	OK
10	Get Pending Delivery Partner Applications	/admin/approvals/delivery-partners/applications	GET	—	Pending delivery partner applications list	OK
11	Get Delivery Partner Application Details	/admin/approvals/delivery-partners/applications/{id}	GET	application Id	Delivery partner application details	OK
12	Approve Delivery Partner	/admin/approvals/delivery-partners/{id}/approve	PUT	application Id	Delivery partner approved	OK
13	Reject Delivery Partner	/admin/approvals/delivery-partners/{id}/reject	PUT	application Id	Delivery partner rejected	OK
14	Get Customer Statistics	/admin/statistics/customers	GET	—	Customer statistics data returned	OK
15	Get Restaurant Statistics	/admin/statistics/restaurants	GET	—	Restaurant statistics returned	OK

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
16	Get Delivery Partner Statistics	/admin/statistics/delivery-partners	GET	—	Delivery partner statistics returned	OK

### 5.3 TESTING CUSTOMER

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
1	Get Customer Profile	/customer/profile	GET	userId	Customer profile details fetched	OK
2	Get Customer Orders	/customer/orders	GET	userId	List of all orders of customer	OK
3	Place Order	/customer/place-order	POST	PlaceOrderDTO	Order placed successfully	OK

### 5.4 TESTING DELIVERY

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
1	Apply as Delivery Partner	/delivery/apply	PUT	userId, DeliveryPartnerApplyDto	Application submitted successfully	OK
2	Get Delivery Partner ID	/delivery/delivery-id	GET	userId	Delivery partner ID returned	OK
3	Wallet Summary	/delivery/wallet/summary	GET	deliveryPartnerId	Wallet summary displayed	OK
4	Wallet Transactions	/delivery/wallet/transactions	GET	deliveryPartnerId, size	Wallet transactions list returned	OK

TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
5	Wallet Earnings Trend	/delivery/wallet/earnings-trend	GET	range, deliveryPartnerId	Earnings trend data displayed	OK
6	Get Delivery Partner Profile	/delivery/details	GET	deliveryPartnerId	Delivery partner details fetched	OK
7	Edit Delivery Partner Profile	/delivery/edit-details	PUT	deliveryPartnerId, profile data	Profile updated successfully	OK
8	Get Orders by Status (Today)	/delivery/orders	GET	deliveryPartnerId, status	Orders list returned	OK
9	Get Order Details	/delivery/orders/order-details	GET	orderId	Order details fetched	OK
10	Get Order History	/delivery/orders/history	GET	deliveryPartnerId	Order history returned	OK
11	Delivery Dashboard Summary	/delivery/dashboard/summary	GET	deliveryPartnerId	Dashboard summary displayed	OK
12	Get Delivery Partner Status	/delivery/status	GET	deliveryPartnerId	Current status returned	OK
13	Update Delivery Partner Status	/delivery/status	PATCH	deliveryPartnerId	Status toggled successfully	OK
14	Get Available Orders	/delivery/orders/available	GET	deliveryPartnerId	Available delivery requests returned	OK
15	Get Orders by Partner & Status	/delivery/orders/{deliveryPartnerId}	GET	deliveryPartnerId, status	Orders filtered by status returned	OK
16	Accept Delivery Order	/delivery/orders/accept	PATCH	orderId, deliveryPartnerId	Order accepted successfully	OK
17	Mark Order	/delivery/orders/delivered/{deliver	PATC	deliveryPartnerId,	Order marked	OK

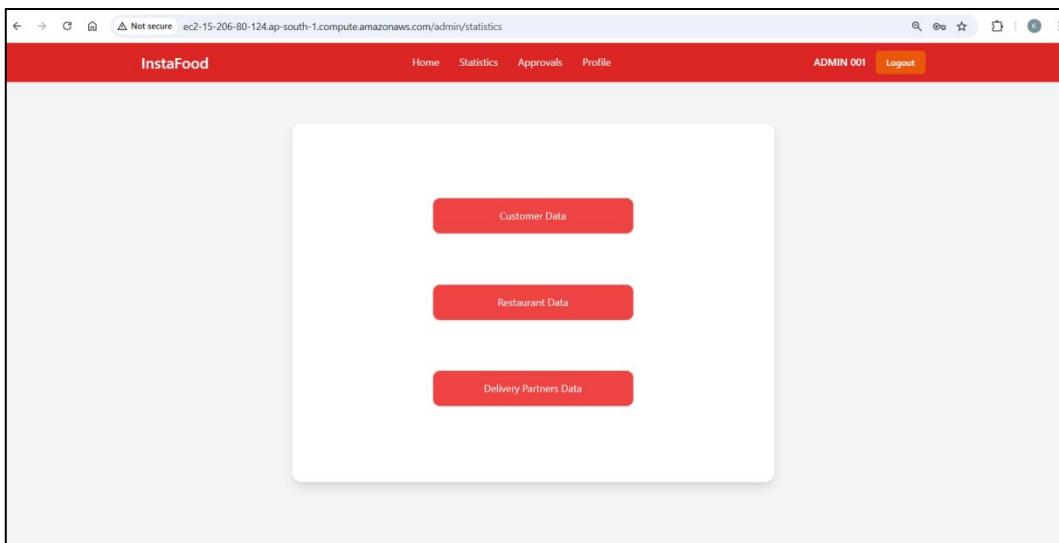
TC No	API Name	Endpoint	HTTP Method	Input	Expected Result	Actual Result
	Delivered	/yPartnerId}/{orderId}	H	orderId	as delivered	

## 6. Appendix B (Screen Shots to be added)

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### 6.1 LOGIN/REGISTER

### 6.2 ADMIN



The screenshot shows the InstaFood Admin Approvals page. At the top, there is a red header bar with the InstaFood logo, navigation links (Home, Statistics, Approvals, Profile), and user information (ADMIN 001, Logout). Below the header is a white area titled "Restaurant Approvals" containing a table with five rows of data. The columns are S.No, Restaurant Name, Application Date, Status, and Action. Each row has a "PENDING" status and a "Visit Application" button.

S.No	Restaurant Name	Application Date	Status	Action
1	Sunshine	2026-02-03	PENDING	<button>Visit Application</button>
2	New Spice	2026-02-03	PENDING	<button>Visit Application</button>
3	Tropical paradise	2026-02-03	PENDING	<button>Visit Application</button>
4	Poona Special	2026-02-03	PENDING	<button>Visit Application</button>
5	Vaishali	2026-02-03	PENDING	<button>Visit Application</button>

The screenshot shows the InstaFood Admin Approvals page, specifically for a pending application. At the top, there is a red header bar with the InstaFood logo, navigation links (Home, Statistics, Approvals, Profile), and user information (ADMIN 001, Logout). Below the header is a white area showing a circular placeholder for a profile picture. Below the placeholder is a table with the following data:

Restaurant Name	Vaishali
Owner Name	Ahana Sharma
Email	ahana@gmail.com
Phone	9786543214
Address Line 1	sinhgad road
Address Line 2	

At the bottom of the form are two buttons: "Accept" (green) and "Reject" (red).

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/admin/statistics/restaurant-data

**InstaFood** Home Statistics Approvals Profile ADMIN 001 Logout

Total Restaurants: 9 Weekly New Restaurants: 9

**Restaurant Rankings**

Rank	Restaurant Name	Rating	Reviews
#1	Poona Special	4.67 ★	3
#2	Family Dhaba	★	0
#3	Pankhudi Gupta Burger	★	0
#4	Family Pizza	★	0
#5	Awad Biryani	★	0
#6	Sunshine	★	0
#7	New Spice	★	0
#8	Tropical paradise	★	0
#9	Vaishali	★	0

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/admin/approvals/delivery-partners

**InstaFood** Home Statistics Approvals Profile ADMIN 001 Logout

**Delivery Partner Approvals**

S.No	Partner Name	Application Date	Status	Action
1	Ravi Sihag	2026-02-03	PENDING	<a href="#">Visit Application</a>
2	Frida Koelo	2026-02-03	PENDING	<a href="#">Visit Application</a>
3	zoya afroz	2026-02-03	PENDING	<a href="#">Visit Application</a>

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**InstaFood** Home Statistics Approvals Profile ADMIN 001 Logout

Profile Picture Placeholder

Partner Name	zoya afroz
Email	zoya@gmail.com
Phone	845612396
Vehicle Type	BIKE
Vehicle Number	MH741523
Address	pune city 411011

[Accept](#) [Reject](#)

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**InstaFood** Home Statistics Approvals Profile ADMIN 001 Logout

Total Deliveries 3	Weekly New Deliveries 3
-----------------------	----------------------------

**Top Delivery Partners - Ranking**

Rank	Delivery Partner Name	Total Deliveries
1	Vaibhav Rajput	2
2	Neha Nair	1

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**InstaFood** Home Statistics Approvals Profile ADMIN 001 Logout

**Dashboard Overview**

Total Orders 4	Total Revenue ₹2689	Total Dishes 15	Categories 10
-------------------	------------------------	--------------------	------------------

**Order Fulfillment**

**Orders Trend**

**Top Selling Dishes**

Dish	Units Sold
Red Sauce Pasta	10
Classic Burger	4
Farm Fresh Pizza	3
Potato Burger	1
Hakka Noodles	1

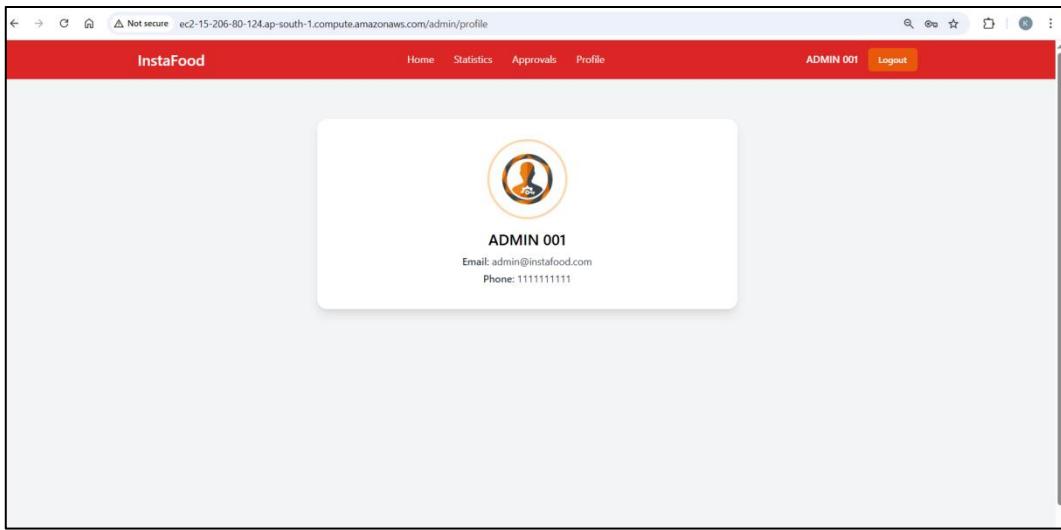
Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/admin/statistics/customer-data

**InstaFood** Home Statistics Approvals Profile ADMIN 001 Logout

Total Customers 2	Weekly New Customers 2
----------------------	---------------------------

**Customer Details**

ID	Name	Email	Phone
#8	Shyam Sharma	shyam@gmail.com	9998887771
#9	Hina Bhatt	hina@gmail.com	7894561236



### 6.3 RESTAURANT

This screenshot shows the 'Restaurant Orders' section of the InstaFood platform. At the top, there are tabs for 'Placed', 'Accepted', 'Preparing' (which is highlighted in orange), 'Assigned', and 'Delivered'. Below the tabs, an order for 'Shyam Sharma' is listed. The order details include the customer's name, address ('sunbeam infotech, Hinjewadi Phase 3, Pune, Maharashtra - 411011'), total amount ('₹148'), and quantity ('2 items'). It was ordered on 'Feb 3, 2026'. The status is 'PREPARING'. The order items are listed as 'Potato Burger' and 'Hakka Noodles'. A green button labeled 'Start Preparing' is visible at the bottom right.

This screenshot shows the 'Restaurant Orders' section with the 'Accepted' tab selected. An order for 'Shyam Sharma' is listed, identical to the one above. The status is now 'ACCEPTED'. The order items are 'Potato Burger' and 'Hakka Noodles'. A green button labeled 'Start Preparing' is visible at the bottom right. A message box at the bottom right says 'Order accepted!' with a checkmark icon.

This screenshot shows the 'Restaurant Orders' section with the 'Placed' tab selected. An order for 'Shyam Sharma' is listed, identical to the ones above. The status is now 'PLACED'. The order items are 'Potato Burger' and 'Hakka Noodles'. A green button labeled 'Accept Order' is visible at the bottom right.

**Menu Management**

Dish	Price	Description	Status
Potato Burger	₹49	Delicious	Available
Paneer Pizza	₹229	Full with paneer	Available
Hakka Noodles	₹99	Too Much Spicy	Available

**Restaurant Orders**

Order Status	Customer	Total Amount	Items	Delivery Date
DELIVERED	Shyam Sharma	₹148	2 items	Ordered on: Feb 3, 2026

Order Items:

- 1 Potato Burger
- 1 Hakka Noodles

Delivery Executive:  
Vaibhav Rajput  
Delivered at: Feb 3, 2026, 5:23 AM

**Restaurant Profile**

**Restaurant Details**

Restaurant Name	Phone Number	
Family Pizza	9988776655	
First Name	Last Name	
Divyansh	Rastogi	
Street Address		
106		
Address Line 2 (Optional)		
Maan, Hinjewadi Phase 2		
City	State	Postal Code
Pune	Maharashtra	411011
Opening Time	Closing Time	
08:00	22:00	

**Restaurant Overview**

Total Orders: 0 Orders Received

Total Revenue: ₹0.00 Amount in Rupees

Average Rating: 1.0/5 Customer Satisfaction

Refresh Data

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/restaurant/apply

**Insta Food**

Logout

**Restaurant Partner Application**

Join our platform and start reaching more customers today

**Restaurant Information**

Restaurant Name \* Vaishali

Opening Time \* 09:40 Closing Time \* 22:40

Restaurant Image (Banner/Logo)

Choose File No file chosen

Upload a high-quality image of your restaurant or logo

Submit Application

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/restaurant/apply

**Insta Food**

Logout

**Restaurant Partner Application**

Join our platform and start reaching more customers today

**Restaurant Information**

Restaurant Name \* Enter restaurant name

Opening Time \* --:-- Closing Time \* --:--

Restaurant Image (Banner/Logo)

Choose File No file chosen

Upload a high-quality image of your restaurant or logo

Submit Application

**Add New Dish**

Dish Name: Spicy shot

Categories:  FAST\_FOOD  PIZZA  BURGER  PASTA  
 NOODLES  PANER  CHEESE  
 INDIAN  VEGAN  CHINESE

Description: Indian Taste

Price: 50

**Cancel** **Save Dish**

## 6.4 DELIVERY

**Orders**

New      Ongoing      Completed

Family Pizza  
 ₹ 106      ₹ 148  
 2.5 km      20 min      2 items

**Details**

**Home** **Orders** **History** **Wallet** **Profile**

**Order Details**  
 Order #1

Pickup: Family Pizza 106

Drop: sunbeam infotech

Customer: Shyam Sharma 9998887771

Order Items:

- Hakka Noodles Qty: 1 ₹ 79
- Potato Burger Qty: 1 ₹ 49

Price Breakdown:

Item Total	₹ 148
Delivery Fee	₹ 30
Taxes & Charges	₹ 7
<b>Total</b>	<b>₹ 185</b>

**Accept Order**

[← Order Details](#)  
Order #1

Pickup	Family Pizza 106
Drop	sunbeam infotech
Customer	Shyam Sharma 9998887771
Order Items	
Hakka Noodles	Qty: 1      ₹99
Potato Burger	Qty: 1      ₹49
Price Breakdown	
Item Total	₹148
Delivery Fee	₹30
Taxes & Charges	₹7
Total	₹185

[Mark Delivered](#)

[← Orders](#)

New	Ongoing	Completed
<b>Family Pizza</b> ④ 106 ④ 2.5 km ④ 20 min Status: ASSIGNED		
₹148 2 items		

[← Orders](#)

New	Ongoing	Completed
<b>Family Pizza</b> ④ 106 ④ 2.5 km ④ 20 min Completed at 05:23 03/02/2026		
₹148 2 items		

**Dashboard**

Status: Online

Today's Earnings: ₹30

Today Orders: 1

Avg/Order: ₹30

Orders: 1

Total Earnings: ₹30

History: 1 trips

Support: Get help

Available Orders

View All

Home Orders History Wallet Profile

Order History

Today

Family Pizza delivered  
@ 2.5 km 05:23 AM

\$ ₹148 #1

Filter

Home Orders History Wallet Profile

Profile

Vaibhav Rajput

VR +91 8923483837 vaibhavrajputk2003@gmail.com

Edit Profile

Rider Details

Vehicle Type: SCOOTER

Model: Vespa 150

License: UP202030024489

Address Details

Line 1: Room 106, Market Genie PG and Guest House, HPP4+42W, Hinjawadi Phase II, Hinjawadi Rajiv Gandhi Infotech Park, Hinjawadi, Pune, Maharashtra 411057

Line 2: Room 106, Market Genie PG and Guest House, HPP4+42W, Hinjawadi Phase II, Hinjawadi Rajiv Gandhi Infotech Park, Hinjawadi, Pune, Maharashtra 411057

City: Pune

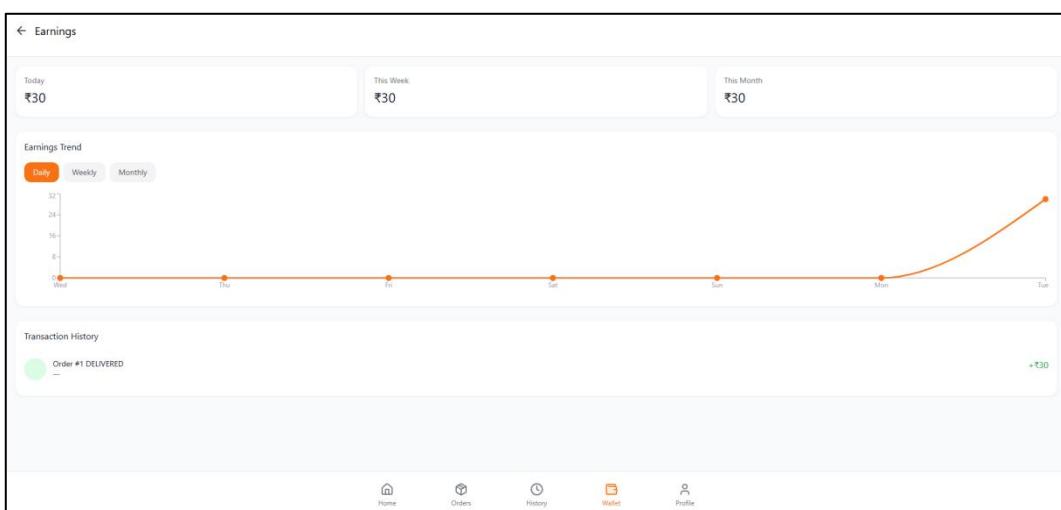
Postal Code: 411011

State: Maharashtra

Logout

Home Orders History Wallet Profile

The Edit Profile screen displays a placeholder profile picture at the top. Below it, the title "Edit Profile" is centered. The form contains fields for First Name (Vaibhav), Last Name (Rajput), Email (vaibhavrajputhk2003@gmail.com), Phone Number (8923483837), License Number (UP2020230024489), Vehicle Type (SCOOTER), and Vehicle Model (Vespa 150). At the bottom are "Cancel" and "Save Changes" buttons.



## 6.5 CUSTOMER

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/customer/

Home Orders Profile Logout

### Welcome

Restaurants available for you

**Restaurants**

**Family Dhaba**  
10:00:00 ~ 22:00:00  
Piccode: 411011

**Pankhudi Gupta Burger**  
08:00:00 ~ 21:00:00  
Piccode: 411011

**Family Pizza**  
08:00:00 ~ 22:00:00  
Piccode: 411011

**Awad Biryani**  
08:00:00 ~ 21:00:00  
Piccode: 411011

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Home Orders Profile Logout

### Restaurant Name

Delicious food delivered to you

<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <b>Classic Burger</b> Tasty           </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <b>Red Sauce Pasta</b> Spicy           </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <b>Farm Fresh Pizza</b> Crispy           </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <b>Red Sauce Pasta</b> Spicy           </div>
<small>₹59</small> <small>- +</small>	<small>₹199</small> <small>- +</small>
1 Items added	
<a href="#">Checkout</a>	

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/customer/profile

Home Orders Profile Logout

Full Name <b>Hina Bhatt</b>	Email <b>hina@gmail.com</b>
Phone <b>7894561236</b>	Role <b>CUSTOMER</b>
Address <b>mg road, pune, MH</b>	
Postal Code <b>411011</b>	
<a href="#">Edit Profile</a> <a href="#">Change Password</a>	

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/customer/orders

Home Orders Profile Logout

### My Orders

Order Details	Date	Total Bill
Pankhudi Gupta Burger 1x Classic Burger	2026-02-03	₹59
Pankhudi Gupta Burger 1x Red Sauce Pasta	2026-02-03	₹159
Family Pizza 1x Hakka Noodles	2026-02-03	₹99
Pankhudi Gupta Burger 1x Classic Burger	2026-02-03	₹59
Pankhudi Gupta Burger 1x Classic Burger, 1x Red Sauce Pasta	2026-02-03	₹218
Family Pizza 1x Potato Burger	2026-02-03	₹49

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/customer/order-summary

Home Orders Profile Logout

### Order Summary

Your Order	Total Bill Amount
1x Classic Burger	₹59

**Delivery Details**

CUSTOMER NAME: Hina Bhatt  
PHONE NUMBER: 7894561236

DELIVERY ADDRESS:  
mg road, pune, MH  
PIN: 411011

**Total Bill Amount** ₹59

**Place Order**

Not secure ec2-15-206-80-124.ap-south-1.compute.amazonaws.com/customer/edit-profile

Home Orders Profile Logout



Update Photograph  
[Choose File](#) No file chosen

**Edit Profile**

First Name Hina	Last Name Bhatt
Email hina@gmail.com	Phone 7894561236
Address Line 1 mg road	
Address Line 2	
City pune	State MH
Postal Code 411011	

[Back to Profile](#) [Apply for Changes](#)

## **7. REFERENCES**

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- ✓ <https://docs.oracle.com/en/java/>
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- ✓ <https://developer.mozilla.org/en-US/>
- ✓ <https://www.w3.org/>
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- ✓ <https://hibernate.org/orm/documentation/>
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- ✓ <https://stackoverflow.com/>
- ✓ <https://github.com/>