



**QuickBite**

# Agenda

- ▶ The Food Ordering Application is designed to simplify the process of ordering food from a variety of restaurants. It caters to two primary user groups: customers and restaurant owners. The application aims to enhance user experience by providing a seamless platform for placing orders, and managing food deliveries. For restaurant owners, the application offers tools to manage their menus, track orders, and gain insights.

# Purpose and Scope

**Purpose:** To create a user-friendly platform that connects customers with restaurants efficiently, allowing users to order food with ease and providing restaurant owners with a robust system to manage orders and menu items.

**Scope:** The application will include features for browsing restaurant listings, searching and filtering options, placing and tracking orders, managing payment transactions, and a backend system for restaurant management.



# Key Features

## ▶ Customer Features

- ▶ **Menu Browsing:** View detailed menus, including dishes, prices.
- ▶ **Order Placement:** Add items to cart and place orders with various payment options.
- ▶ **User Accounts:** Create and manage user profiles, and save his addresses and card details.

## ▶ Restaurant Features

- ▶ **Menu Management:** Add, update, or remove menu items, set prices, and manage categories.
- ▶ **Order Tracking:** View and manage incoming orders, update order status.
- ▶ **Reviews:** Access insights on orders, customer preferences, and order reviews.

```
Console X
QuickBiteApp (2) [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (Aug 14, 2024, 3:45:15PM) [pid: 16020]

----- Manage Orders -----
1. Place Order
2. View All Orders
3. Exit
Enter your choice: 2

===== Orders =====
ID | Restaurant | Date | Amount | Status
---|-----|-----|-----|-----
1 | Dominos | 2024-08-14 15:57:44.254 | $1451.00 | Pending

Enter the Order ID to view details (or 0 to exit): 1

===== Order Details =====
Order ID: 1
Restaurant: Dominos
Order Date: 2024-08-14 15:57:44.254
Total Amount: $1451.00
Status: Pending
Payment Mode: Cash on Delivery
Order Details:
ID | Item Name | Qty | Unit Price | Subtotal
---|-----|-----|-----|-----
5 | Farmahouse Pizza | 2 | $269.00 | $538.00
2 | Corn & Cheese Volcano | 1 | $299.00 | $299.00
1 | Onion | 4 | $99.00 | $396.00
3 | Margherita Pizza | 2 | $109.00 | $218.00

----- Manage Orders -----
1. Place Order
2. View All Orders
3. Exit
Enter your choice: 3

----- Nitesh Rohilla -----

=== User Actions ===
1. Manage Orders
```

```
Console X
QuickBiteApp (2) [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (Aug 14, 2024, 3:45:15PM) [pid: 16020]

-----Login-----

Enter restaurant username:Dominos
Enter restaurant password:Dominos@123

Login successful. Welcome, Dominos!

-----

=== Manage Restaurant ===
1. Add Menu Item
2. Remove Menu Item
3. View All Reviews
4. Manage Orders
5. Exit Management

Enter your choice: 4

-----Manage Orders-----

1. View all pending orders
2. View all orders
3. Back to restaurant management menu
1

-----All Pending Orders-----

===== Orders =====
ID | Restaurant | Date | Amount | Status | Payment Mode
---|-----|-----|-----|-----|-----
1 | Dominos | 2024-08-14 15:57:44.254 | $1451.00 | Pending | Cash on Delivery

Enter the Order ID to view details (or 0 to exit): 1

===== Order Details =====
Order ID: 1
Restaurant: Dominos
Order Date: 2024-08-14 15:57:44.254
Total Amount: $1451.00
```

# Technology Used

## ▶ **Java**

- ▶ Core programming language used for developing the application's backend.
- ▶ Object-oriented, platform-independent, robust, and secure.

## ▶ **MySQL**

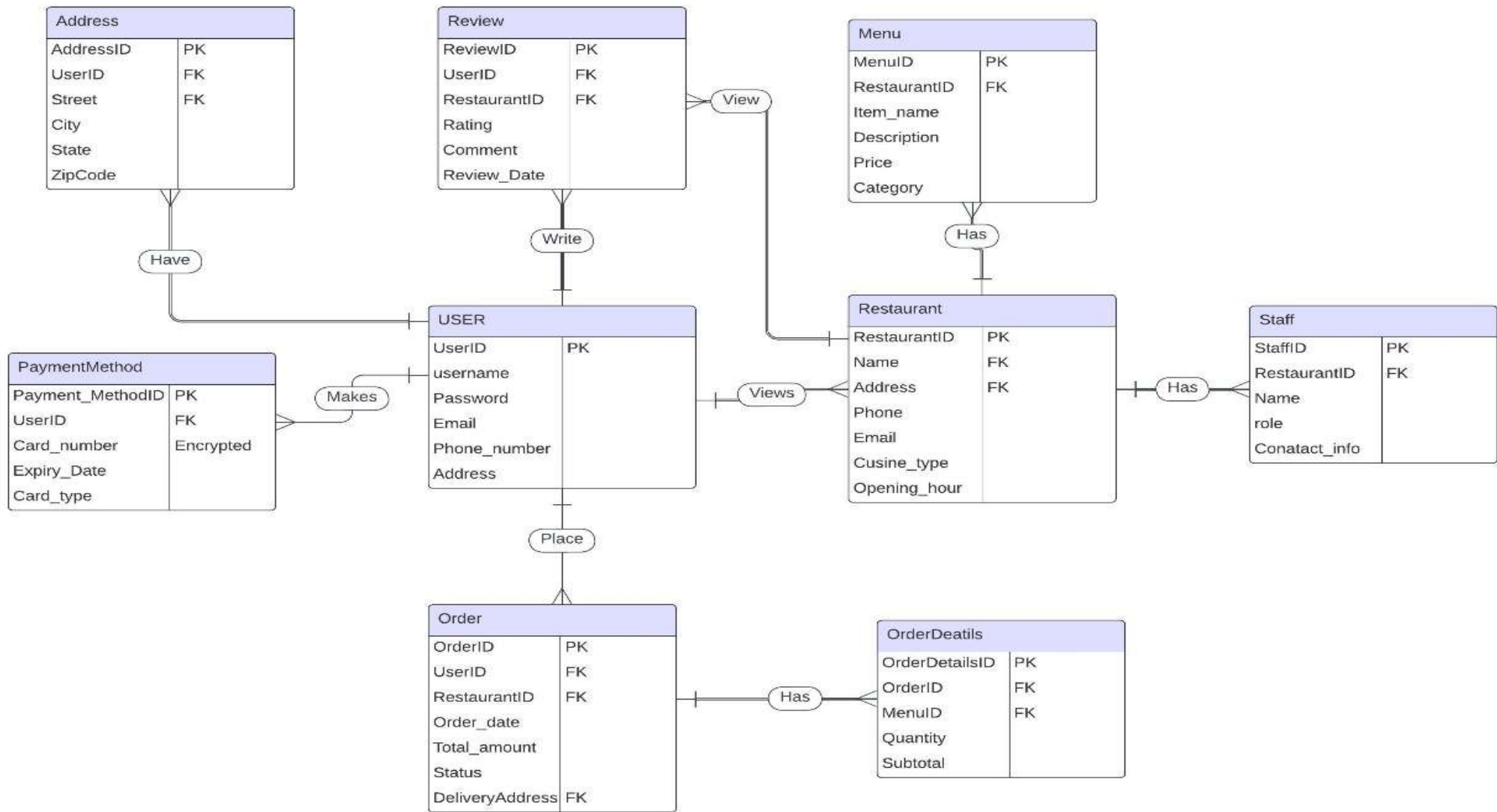
- ▶ Relational database management system (RDBMS) used for storing and managing data.
- ▶ It supports complex queries and transactions

## ▶ **Hibernate**

- ▶ Provides a framework for mapping Java objects to database tables, reducing boilerplate code.
- ▶ Hibernate allows for easier data manipulation and queries through an object-oriented approach.

# System Architecture

- ▶ **Presentation Layer:** Handles user interface components and user interactions.
- ▶ **Service Layer:** Contains business logic, interacts with DAO layer for data manipulation.
- ▶ **DAO Layer:** Manages data access and persistence using Hibernate.
- ▶ **Model Layer:** Defines the structure of data entities and their relationships.
- ▶ **Database:** Stores data persistently, accessed through DAO layer.





# Benefits

- ▶ **For Customers:** Easy access to diverse dining options, enhanced decision-making through reviews, and a seamless ordering experience.
- ▶ **For Restaurant Owners:** Efficient menu and order management, and improved customer engagement through reviews.

# Future Enhancements

## ▶ **Web-Based Platform**

- ▶ Convert the application into a web-based platform to broaden accessibility and reach a wider audience.

## ▶ **Frontend Development**

- ▶ Enhance the user experience with a modern and intuitive frontend interface.

## ▶ **Advanced Analytics and Insights**

- ▶ Provide deeper insights into user behavior and operational performance.

## ▶ **Personalized Recommendations**

- ▶ Improve user satisfaction by offering personalized content and suggestions.

# Thank You

## Acknowledgments

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## Team Members

This project was developed by:

- **Harshit Rohtela**
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