Restaurant Food Delivery System - Database Documentation

# 1. Introduction

This document outlines the database design for a restaurant's online food delivery system. The system is designed for a single restaurant offering its own food delivery services, not a marketplace.

# 2. User & Authentication Tables

|  |  |
| --- | --- |
| Table Name | Description |
| users | Customer and admin user details |
| roles | User roles: admin, customer |
| addresses | Saved delivery addresses by users |

# 3. Menu & Food Items

|  |  |
| --- | --- |
| Table Name | Description |
| menu\_items | Food items available for order |
| item\_categories | Categories like Starters, Main Course, Drinks |
| menu\_item\_options | Add-ons like Extra Cheese, Large Size |

# 4. Cart & Orders

|  |  |
| --- | --- |
| Table Name | Description |
| carts | Active cart for each user |
| cart\_items | Items in the cart with quantity |
| orders | Order placed by users |
| order\_items | Food items inside each order |
| order\_status\_history | Status tracking (placed, packed, delivered, etc.) |

# 5. Payments

|  |  |
| --- | --- |
| Table Name | Description |
| payments | Transaction and billing information |
| payment\_methods | E.g., UPI, Card, COD |

# 6. Delivery

|  |  |
| --- | --- |
| Table Name | Description |
| delivery\_agents | Info about riders (if applicable) |
| delivery\_tracking | Delivery location/status tracking |

# 7. Feedback & Support

|  |  |
| --- | --- |
| Table Name | Description |
| item\_reviews | Food item feedback from users |
| order\_feedback | Overall order or delivery feedback |
| support\_tickets | Contact or complaints from users |

# 8. Promotions & Notifications

|  |  |
| --- | --- |
| Table Name | Description |
| discounts | Coupon codes, % or flat rate |
| notifications | In-app/email notifications to users |