Tiffinly Database Design

## addresses

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| address\_id | int(11) | PK, NOT NULL | Unique ID for address |
| user\_id | int(11) | FK → users(user\_id) | Reference to user |
| address\_type | enum('home','work') | NOT NULL | Type of address |
| line1 | varchar(255) | NOT NULL | Primary address line |
| line2 | varchar(255) | NULL | Secondary address line |
| city | varchar(100) | NOT NULL | City |
| state | varchar(100) | NOT NULL | State |
| pincode | varchar(10) | NOT NULL | Postal code |
| landmark | varchar(255) | NULL | Landmark details |
| is\_default | tinyint(1) | DEFAULT 1 | Marks default address |

## deliveries

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| delivery\_id | int(11) | PK, NOT NULL | Delivery record ID |
| subscription\_id | int(11) | FK → subscriptions(subscription\_id) | Linked subscription |
| delivery\_date | date | NOT NULL | Scheduled date |
| status | enum('scheduled','out\_for\_delivery','delivered','cancelled') | DEFAULT 'scheduled' | Delivery status |
| payment\_status | enum('unpaid','paid') | DEFAULT 'unpaid' | Payment state |
| delivery\_time | time | NULL | Scheduled time |

## delivery\_assignments

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| assignment\_id | int(11) | PK | Assignment ID |
| subscription\_id | int(11) | FK | Subscription linked |
| delivery\_date | date | NOT NULL | Assigned date |
| partner\_id | int(11) | FK → delivery\_partner\_details(partner\_id) | Delivery partner |
| assigned\_at | timestamp | DEFAULT current\_timestamp() | Assignment timestamp |
| status | enum('pending','out\_for\_delivery','delivered','cancelled') | DEFAULT 'pending' | Delivery progress |
| meal\_type | varchar(20) | NOT NULL | Breakfast/Lunch/Dinner |
| meal\_id | int(11) | FK → meals(meal\_id) | Assigned meal |
| payment\_id | int(11) | FK → partner\_payments(payment\_id) | Payment record |
| payment\_status | enum('unpaid','paid') | DEFAULT 'unpaid' | Partner payment |

## delivery\_issues

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| issue\_id | int(11) | PK | Issue ID |
| assignment\_id | int(11) | FK | Related assignment |
| subscription\_id | int(11) | FK | Subscription |
| partner\_id | int(11) | FK | Delivery partner |
| meal\_type | varchar(50) | NULL | Meal affected |
| issue\_type | varchar(100) | NULL | Type of issue |
| status | enum('open','resolved') | DEFAULT 'open' | Resolution state |
| description | text | NULL | Details |

## delivery\_partner\_details

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| partner\_id | int(11) | PK | Partner ID (linked to user\_id) |
| vehicle\_type | varchar(50) | NOT NULL | Vehicle type |
| vehicle\_number | varchar(20) | NOT NULL | Registration number |
| license\_number | varchar(30) | NOT NULL | License no. |
| license\_file | varchar(255) | NULL | Uploaded license proof |
| aadhar\_number | varchar(20) | NULL | Aadhaar ID |
| availability | enum('Part-time','Full-time') | NOT NULL | Work type |

## delivery\_preferences

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| preference\_id | int(11) | PK | Preference ID |
| user\_id | int(11) | FK | User |
| meal\_type | enum('breakfast','lunch','dinner') | NOT NULL | Meal choice |
| address\_id | int(11) | FK → addresses(address\_id) | Delivery address |
| time\_slot | varchar(50) | NULL | Preferred time |
| created\_at | timestamp | DEFAULT current\_timestamp() | Created |
| updated\_at | timestamp | DEFAULT current\_timestamp() ON UPDATE | Updated |

## feedback

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| feedback\_id | int(11) | PK | Unique feedback ID |
| user\_id | int(11) | FK → users(user\_id) | Feedback given by user |
| feedback\_type | enum('meal','service','platform') | NOT NULL | Type of feedback |
| rating | tinyint(4) | NOT NULL, CHECK (1–5) | Rating value |
| comments | text | NULL | Additional feedback |
| meal\_description | varchar(255) | NULL | Details of meal (if meal feedback) |
| delivery\_date | date | NULL | Related delivery date (if service feedback) |
| created\_at | timestamp | DEFAULT current\_timestamp() | Created timestamp |
| updated\_at | timestamp | DEFAULT current\_timestamp() ON UPDATE | Last updated |

## inquiries

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| inquiry\_id | int(11) | PK | Inquiry ID |
| user\_id | int(11) | FK → users(user\_id), NULL allowed | User making inquiry |
| message | text | NOT NULL | Inquiry content |
| inquiry\_type | varchar(50) | DEFAULT 'general' | Category (general, technical, etc.) |
| response | text | NULL | Admin response |
| status | enum('pending','responded','closed') | DEFAULT 'pending' | Inquiry state |
| created\_at | timestamp | DEFAULT current\_timestamp() | Logged timestamp |

## meals

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| meal\_id | int(11) | PK | Unique meal ID |
| category\_id | int(11) | FK → meal\_categories(category\_id) | Meal category |
| meal\_name | varchar(100) | NOT NULL | Name of meal |
| description | text | NULL | Meal description |
| image\_url | varchar(255) | NULL | Meal image path |
| is\_active | tinyint(1) | DEFAULT 1 | Availability flag |

## meal\_categories

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| category\_id | int(11) | PK | Category ID |
| category\_name | varchar(50) | NOT NULL | Category name |
| meal\_type | En  um('Breakfast','Lunch','Dinner') | NOT NULL | Meal type |
| option\_type | enum('veg','non\_veg') | NOT NULL | Veg/Non-veg option |
| slot | enum('breakfast','lunch','dinner') | NULL | Delivery slot |

## meal\_plans

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| plan\_id | int(11) | PK | Plan ID |
| plan\_name | varchar(50) | NOT NULL | Plan name |
| description | text | NULL | Plan description |
| plan\_type | enum('basic','premium') | NOT NULL | Type of plan |
| is\_active | tinyint(1) | DEFAULT 1 | Availability |
| base\_price | decimal(8,2) | NOT NULL | Base price per day |

## partner\_payments

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| payment\_id | int(11) | PK | Payment ID |
| partner\_id | int(11) | FK → delivery\_partner\_details(partner\_id) | Partner paid |
| subscription\_id | int(11) | FK → subscriptions(subscription\_id) | Related subscription |
| delivery\_date | date | NULL | Delivery date |
| amount | decimal(10,2) | NOT NULL | Payment amount |
| delivery\_count | int(11) | DEFAULT 0 | Number of deliveries covered |
| payment\_method | varchar(50) | NOT NULL | Method (e.g., Razorpay) |
| payment\_status | enum('success','failed','pending') | DEFAULT 'success' | Payment state |
| transaction\_ref | varchar(100) | NULL | Transaction reference |
| created\_at | timestamp | DEFAULT current\_timestamp() | Created timestamp |

## payments

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| payment\_id | int(11) | PK | Payment ID |
| user\_id | int(11) | FK → users(user\_id) | User making payment |
| subscription\_id | int(11) | FK → subscriptions(subscription\_id) | Related subscription |
| amount | decimal(10,2) | NOT NULL | Paid amount |
| payment\_method | varchar(50) | NOT NULL | Payment method |
| payment\_status | enum('pending','success','failed') | DEFAULT 'pending' | Status |
| transaction\_ref | varchar(100) | NULL | Transaction reference |
| created\_at | timestamp | DEFAULT current\_timestamp() | Created timestamp |

## plan\_features

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| feature\_id | int(11) | PK | Feature ID |
| plan\_id | int(11) | FK → meal\_plans(plan\_id) | Linked meal plan |
| feature\_text | varchar(255) | NOT NULL | Description of feature |
| sort\_order | int(11) | DEFAULT 0 | Ordering |

## plan\_images

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| image\_id | int(11) | PK | Image ID |
| plan\_id | int(11) | FK → meal\_plans(plan\_id) | Linked meal plan |
| image\_url | varchar(255) | NOT NULL | Path to image |
| sort\_order | int(11) | DEFAULT 0 | Ordering |

## subscription\_meals

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| id | int(11) | PK | Record ID |
| subscription\_id | int(11) | FK → subscriptions(subscription\_id) | Linked subscription |
| delivery\_date | date | NOT NULL | Date of delivery |
| meal\_type | enum('breakfast','lunch','dinner') | NOT NULL | Meal type |
| meal\_id | int(11) | FK → meals(meal\_id) | Actual meal delivered |
| status | enum('scheduled','cancelled','delivered') | DEFAULT 'scheduled' | Meal delivery status |

## plan\_meals

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| plan\_meal\_id | int(11) | PK | Record ID |
| plan\_id | int(11) | FK → meal\_plans(plan\_id) | Related plan |
| day\_of\_week | enum('MONDAY','TUESDAY','WEDNESDAY','THURSDAY','FRIDAY','SATURDAY','SUNDAY') | NOT NULL | Day of week |
| meal\_type | enum('Breakfast','Lunch','Dinner') | NOT NULL | Type of meal |
| meal\_id | int(11) | FK → meals(meal\_id) | Meal linked |

## plan\_schedule\_options

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| option\_id | int(11) | PK | Unique option ID |
| plan\_id | int(11) | FK → meal\_plans(plan\_id) | Associated meal plan |
| schedule\_type | enum('weekday','extended','full\_week') | NOT NULL | Schedule choice (Mon–Fri, Mon–Sat, Mon–Sun) |
| multiplier | decimal(5,2) | DEFAULT 1.00 | Price multiplier applied for this schedule |
| description | varchar(255) | NULL | Explanation of the option |

## popular\_meals

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| id | int(11) | PK | Record ID |
| meal\_id | int(11) | FK → meals(meal\_id) | Linked meal |
| popularity\_score | int(11) | DEFAULT 0 | Score/rank based on orders/feedback |
| created\_at | timestamp | DEFAULT current\_timestamp() | Added timestamp |

## subscriptions

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| subscription\_id | int(11) | PK | Subscription ID |
| user\_id | int(11) | FK → users(user\_id) | User who subscribed |
| plan\_id | int(11) | FK → meal\_plans(plan\_id) | Subscribed meal plan |
| start\_date | date | NOT NULL | Start date |
| end\_date | date | NOT NULL | End date |
| status | enum('active','paused','cancelled','expired') | DEFAULT 'active' | Subscription state |
| created\_at | timestamp | DEFAULT current\_timestamp() | Created timestamp |
| updated\_at | timestamp | DEFAULT current\_timestamp() ON UPDATE | Last updated |

## 21. users

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| user\_id | int(11) | PK | User ID |
| full\_name | varchar(100) | NOT NULL | Full name |
| email | varchar(100) | UNIQUE, NOT NULL | User email |
| phone | varchar(15) | UNIQUE, NOT NULL | Phone number |
| password | varchar(255) | NOT NULL | Hashed password |
| role | enum('user','admin','delivery') | DEFAULT 'user' | Role type |
| security\_question | varchar(255) | NULL | Security question for reset |
| security\_answer | varchar(255) | NULL | Security answer |
| created\_at | timestamp | DEFAULT current\_timestamp() | Account created |
| updated\_at | timestamp | DEFAULT current\_timestamp() ON UPDATE | Last update |

## 22. auth\_tokens

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Constraint | Description |
| id | INT | PK, AUTO\_INCREMENT, NOT NULL | Unique token record ID |
| user\_id | INT | FK → users(user\_id), NOT NULL, ON DELETE CASCADE | References the user who owns the token |
| selector | VARCHAR(32) | NOT NULL, INDEX | Public identifier for the token (used for quick lookup) |
| validator | VARCHAR(64) | NOT NULL | Secret validator part of the token (stored hashed for security) |
| expires\_at | DATETIME | NOT NULL | Expiration date and time for the token |