

Updated Delivery Partner Module - Database Schema

1. Delivery_Partner Table

Column Name	Data Type	Description
id	UUID, PK	Unique ID for each delivery partner
name	VARCHAR(255)	Full name of the partner
contact_number	VARCHAR(15)	Phone number
email	VARCHAR(255), UNIQUE, NOT NULL	Partner's email (used for login)
password	VARCHAR(255), NOT NULL	Hashed password for authentication
vehicle_type	VARCHAR(50)	Bike, Scooter, Both, etc.
driving_license_number	VARCHAR(20), UNIQUE, Nullable	Driving license for verification
vehicle_owner	ENUM('SELF', 'RENT')	Specifies if the vehicle is self-owned or rented
availability_status	ENUM('ONLINE', 'OFFLINE', 'INCOMING', 'ON PAUSE')	Current availability
profile_picture	BLOB	Stores actual image data
aadhar_number	VARCHAR(20), UNIQUE, Nullable	Optional Aadhaar number for verification
aadhar_card	BLOB	Stores Aadhaar card image (JPG/PNG)
delivery_license	BLOB	Stores delivery license image (JPG/PNG)
assigned_orders_count	INT DEFAULT 0	Number of active orders assigned
status	ENUM('ACTIVE', 'INACTIVE')	Employment status
created_at	TIMESTAMP DEFAULT CURRENT_TIMESTAMP	Registration timestamp

2. Delivery_Order_Tracking Table

Column Name	Data Type	Description
id	UUID, PK	Unique tracking ID
order_id	UUID, FK	Reference to Orders table
delivery_partner_id	UUID, FK	Reference to Delivery_Partner table
status	ENUM('ASSIGNED', 'IN_TRANSIT', 'DELIVERED', 'CANCELLED')	Order status
accepted_at	TIMESTAMP	When the order was accepted
picked_at	TIMESTAMP	When the order was picked
delivered_at	TIMESTAMP	When the order was delivered
delivery_time_minutes	INT	Time taken to deliver
earnings_per_order	DECIMAL(10,2)	Partner's earnings per order
cancellation_reason	TEXT, Nullable	Store reasons if CANCELLED

3. Delivery_Statistics Table

Column Name	Data Type	Description
id	UUID, PK	Unique ID for statistics

delivery_partner_id	UUID, FK	Reference to Delivery_Partner
total_orders_day	INT DEFAULT 0	Orders delivered in a day
total_orders_week	INT DEFAULT 0	Orders delivered in a week
total_orders_month	INT DEFAULT 0	Orders delivered in a month
average_delivery_time	FLOAT DEFAULT 0	Average time taken per order
total_earnings	DECIMAL(10,2) DEFAULT 0	Total earnings
bonus_incentive	DECIMAL(10,2) DEFAULT 0	Bonus earnings for performance
total_distance_covered_km	DECIMAL(10,2) DEFAULT 0	Helps in tracking fuel efficiency
total_working_hours	DECIMAL(5,2) DEFAULT 0	Tracks total working hours

4. Delivery_Partner_Authentication Table

Column Name	Data Type	Description
id	UUID, PK	Unique ID for authentication
delivery_partner_id	UUID, FK, UNIQUE	Reference to Delivery_Partner
reset_token	VARCHAR(255), Nullable	Token for password reset
token_expiry	TIMESTAMP, Nullable	Expiry time of reset token

5. Delivery_Partner_Earnings Table

Column Name	Data Type	Description
id	UUID, PK	Unique ID for earnings entry
delivery_partner_id	UUID, FK	Reference to Delivery_Partner
order_id	UUID, FK	Reference to Orders table
earnings	DECIMAL(10,2)	Earnings for the order
payment_status	ENUM('PENDING', 'PAID')	Payment status

6. Delivery_Reviews Table

Column Name	Data Type	Description
id	UUID, PK	Unique review ID
order_id	UUID, FK	Reference to Orders table
delivery_partner_id	UUID, FK	Reference to Delivery_Partner
customer_id	UUID, FK	Reference to Customers
rating	INT CHECK (rating BETWEEN 1 AND 5)	Customer rating
review_comment	TEXT	Optional feedback
review_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP	Date of review