### **Data Description**

The food delivery application database is designed to support the operations, management, and analytics of a comprehensive food delivery service. It captures detailed information about users, restaurants, menu items, orders, order details, payments, and reviews. By systematically recording each transaction and interaction within the application, this database serves as a robust foundation for understanding customer behaviors, optimizing service delivery, and enhancing overall business performance.

[Dataset Link](https://drive.google.com/drive/folders/1f-AuTRyr7JFGTI9P-dw2WnXLd-pBDSa5?usp=sharing)

#### **Users**

* **Description**: This table contains information about the users of the food delivery application.
* **Number of Entries**: 100,000
* **Columns**:
  + **user\_id**: Unique identifier for each user (Non-null, Object)
  + **name**: Full name of the user (Non-null, Object)
  + **gender**: Gender of the user (Non-null, Object)
  + **email**: Email address of the user (Non-null, Object)
  + **phone\_number**: Phone number of the user (Non-null, Object)
  + **delivery\_address**: Delivery address of the user (Non-null, Object)

#### **Restaurants**

* **Description**: This table contains information about the restaurants listed in the food delivery application.
* **Number of Entries**: 200
* **Columns**:
  + **restaurant\_id**: Unique identifier for each restaurant (Non-null, Object)
  + **name**: Name of the restaurant (Non-null, Object)
  + **address**: Address of the restaurant (Non-null, Object)
  + **phone\_number**: Phone number of the restaurant (Non-null, Object)
  + **email**: Email address of the restaurant (Non-null, Object)
  + **cuisine\_type**: Type of cuisine the restaurant specializes in (Non-null, Object)

#### **Menu Items**

* **Description**: This table contains information about the menu items offered by the restaurants.
* **Number of Entries**: 3,000
* **Columns**:
  + **menu\_item\_id**: Unique identifier for each menu item (Non-null, Object)
  + **restaurant\_id**: Unique identifier of the restaurant offering the menu item (Non-null, Object)
  + **item\_name**: Name of the menu item (Non-null, Object)
  + **price**: Price of the menu item (Non-null, Float64)

#### **Orders**

* **Description**: This table contains information about the orders placed by users for June and July 2024. The latest date and time for orders is July 3rd, 2024, 10:00 AM.
* **Number of Entries**: 73,748
* **Columns**:
  + **order\_id**: Unique identifier for each order (Non-null, Object)
  + **user\_id**: Unique identifier of the user who placed the order (Non-null, Object)
  + **order\_time**: The datetime when the order was placed (Non-null, datetime64[ns])
  + **delivery\_address**: The address where the order is to be delivered (Non-null, Object)
  + **order\_status**: The status of the order (e.g., "Pending", "Delivered", "Cancelled", "Undelivered") (Non-null, Object)
  + **restaurant\_id**: Unique identifier of the restaurant from which the order was placed (Non-null, Object)
  + **total\_amount**: Total amount of the order (Non-null, Float64)

#### **Order Details**

* **Description**: This table contains detailed information about the items in each order.
* **Number of Entries**: 221,254
* **Columns**:
  + **order\_details\_id**: Unique identifier for each order detail (Non-null, Object)
  + **order\_id**: Unique identifier of the order (Non-null, Object)
  + **menu\_item\_id**: Unique identifier of the menu item (Non-null, Object)
  + **quantity**: Quantity of the menu item ordered (Non-null, int64)
  + **price**: Price of the menu item (Non-null, Float64)

#### **Payments**

* **Description**: This table contains information about the payments for orders.
* **Number of Entries**: 73,748
* **Columns**:
  + **payment\_id**: Unique identifier for each payment (Non-null, Object)
  + **order\_id**: Unique identifier of the order (Non-null, Object)
  + **payment\_method**: Method used for payment (e.g., "Credit Card", "Debit Card", "PayPal") (Non-null, Object)
  + **amount\_paid**: Total amount paid for the order (Non-null, Float64)
  + **payment\_date**: The datetime when the payment was made (Non-null, datetime64[ns])
  + **payment\_status**: Status of the payment (e.g., "Successful", "Failed") (Non-null, Object)
  + **refund**: Amount refunded based on the rating (Non-null, Float64)

#### **Reviews**

* **Description**: This table contains information about the reviews given by users for their orders.
* **Number of Entries**: 42,469
* **Columns**:
  + **review\_id**: Unique identifier for each review (Non-null, Object)
  + **user\_id**: Unique identifier of the user who placed the order (Non-null, Object)
  + **order\_id**: Unique identifier of the order (Non-null, Object)
  + **restaurant\_id**: Unique identifier of the restaurant from which the order was placed (Non-null, Object)
  + **rating**: Rating given by the user (may be null) (Float64)
  + **comments**: Review comments (may be null, especially if rating is null) (Object)
  + **review\_date**: Date when the review was written (Non-null, datetime64[ns])