

Data Modelling of Food Order Application

| User | | | |
|-------------------|-------------|--------------------|---|
| Field Name | Type | Constraints | Descriptions |
| User_id | int(11) | Primary Key | Auto_increment |
| Full_name | varchar(50) | NOT NULL | Complete name of the user |
| Contact | varchar(50) | NOT NULL | Contact information (phone or landline) |
| E-mail | varchar(50) | NOT NULL | Email address of the user |
| User_name | varchar(30) | NOT NULL | Username of the user |
| Password | varchar(30) | NOT NULL | Password of the user |

| Customer | | | |
|-------------------|--------------|--------------------|-------------------------------|
| Field Name | Type | Constraints | Descriptions |
| Customer_id | int(14) | Primary Key | Auto_increment |
| First_name | varchar(30) | NOT NULL | First name of the customer |
| Last_name | varchar(30) | NOT NULL | Last name of the customer |
| Address | varchar(140) | NOT NULL | address of the customer |
| E-mail | varchar(50) | NOT NULL | Email address of the customer |
| Contact_number | varchar(15) | NOT NULL | Contact number of the |
| User_name | varchar(30) | NOT NULL | Username of the customer |
| Password | varchar(30) | NOT NULL | Password of the customer |
| Profile_image | blob | NOT NULL | Profile image of the customer |
| Account_status | int(1) | NOT NULL | Account status(active or not) |

| Menu_type | | | |
|-------------------|--------------|--------------------|--|
| Field Name | Type | Constraints | Descriptions |
| Menu_type_id | int(12) | Primary Key | Auto_increment |
| Menu_type_name | varchar(50) | NOT NULL | Category name of the menu |
| Description | varchar(120) | NOT NULL | Description or brief explanation about the menu type |

| Menu | | | |
|-------------------|--------------|--------------------|--|
| Field Name | Type | Constraints | Descriptions |
| Menu_id | int(12) | Primary Key | Auto_increment |
| Menu_name | varchar(120) | NOT NULL | Name of the menu |
| Menu_type_id | int(12) | Foreign Key | Foreign key that links to the menu type table, and refers to the category the food |
| Price | float | NOT NULL | Retail amount of the food |
| Menu_image | blob | NOT NULL | Picture of the menu or food |
| Ingredients | varchar(500) | NOT NULL | Specific list of ingredients used in the menu/food. |
| Menu_status | int(1) | NOT NULL | Availability of the menu; 0 means not available, 1 means available |

| Order | | | |
|-------------|-------------|-------------|---|
| Field Name | Type | Constraints | Descriptions |
| Order_id | int(16) | Primary Key | Auto_increment |
| Customer_id | int(14) | Foreign Key | Foreign key that links to the customer table, and refers to the customer who ordered the food |
| Date | date | NOT NULL | Date of order |
| Status | int(1) | NOT NULL | Status of order (0-pending, 1-confirmed, 2-cancelled) |
| Order_item | varchar(50) | NOT NULL | Name of the order |

| Order Details | | | |
|------------------|---------|-------------|---|
| Field Name | Type | Constraints | Descriptions |
| Order_details_id | int(16) | Primary Key | Auto_increment |
| Order_id | int(16) | Foreign Key | Foreign key that links to the order table |
| Menu_id | int(12) | Foreign Key | Foreign key that links to the menu table |
| No_of_orders | int(4) | NOT NULL | Number of orders |
| Order_weight | float | NOT NULL | Weight of the order |
| Amount | float | NOT NULL | Total amount is equal to amount multiply by the number of serving |

| Inquiry | | | |
|-------------------|-------------|--------------------|--|
| Field Name | Type | Constraints | Descriptions |
| Inquire_id | int(11) | Primary Key | Auto_increment |
| Order_id | int(16) | Foreign Key | Foreign key that links to the order table |
| Query_date | date | NOT NULL | Date of the query from the customer |
| Customer_id | int(14) | Foreign Key | Foreign key that links to the customer table |
| Expected_time | datetime | NOT NULL | Expected time to deliver the order |
| Delivery_time | datetime | NOT NULL | Exact time to deliver the order |

| Payment | | | |
|-------------------|-------------|--------------------|---|
| Field Name | Type | Constraints | Descriptions |
| Payment_ID | int(15) | Primary Key | Auto_increment |
| Payment_date | date | NOT NULL | Date of the payment made |
| Order_id | int(16) | Foreign Key | Foreign key that links to the order table |
| Payment_status | int(1) | NOT NULL | Status of payment (0-pending, 1-confirmed, 2-cancelled) |
| Mode | varchar(20) | NOT NULL | Type or mode of payment platform |
| Amount | float | NOT NULL | Total amount of the order |

| Cash | | | |
|-------------------|-------------|--------------------|--|
| Field Name | Type | Constraints | Descriptions |
| Transaction_id | int(18) | Primary Key | Auto_increment |
| Payment_ID | int(15) | Foreign Key | Foreign key that links to the payment table |
| C_status | int(1) | NOT NULL | Status of cash payment (1-confirmed, 2-cancelled) |
| Amount | Float | NOT NULL | Total amount of the order to pay |

| Online Payment | | | |
|-----------------------|-------------|--------------------|--|
| Field Name | Type | Constraints | Descriptions |
| Transaction_id | int(18) | Primary Key | Auto_increment |
| Payment_ID | int(15) | Foreign Key | Foreign key that links to the payment table |
| O_status | int(1) | NOT NULL | Status of cash payment (1-confirmed, 2-cancelled) |
| Amount | float | NOT NULL | Total amount of the order to pay |

| Credit/Debit Card | | | |
|--------------------------|-------------|--------------------|--|
| Field Name | Type | Constraints | Descriptions |
| Transaction_id | int(18) | Primary Key | Auto_increment |
| Payment_ID | int(15) | Foreign Key | Foreign key that links to the payment table |
| CD_status | int(1) | NOT NULL | Status of cash payment (1-confirmed, 2-cancelled) |
| Amount | float | NOT NULL | Total amount of the order to pay |

| Rating | | | |
|-------------------|--------------|--------------------|--|
| Field Name | Type | Constraints | Descriptions |
| Rating_id | int(11) | Primary Key | Auto_increment |
| Menu_id | int(12) | Foreign Key | Foreign key that links to the menu table |
| Score | int(5) | NOT NULL | Score provided by the Customer (1-5 scale, 1 as the lowest and 5 as the highest) |
| Remarks | varchar(120) | NOT NULL | Comments, suggestions and recommendations of the customers |
| Record_date | date | NOT NULL | Record time of the rating |
| Customer_id | int(14) | Foreign Key | Foreign key that links to customer information |

| Admin info | | | |
|-------------------|--------------|--------------------|------------------------------------|
| Field Name | Type | Constraints | Descriptions |
| Info_id | int(14) | Primary Key | Auto_increment |
| Business_name | varchar(30) | NOT NULL | Name of the brand |
| Description | varchar(120) | NOT NULL | Description of the company |
| Contact | varchar(50) | NOT NULL | Contact information of the company |
| Address | varchar(140) | NOT NULL | Address of the company |