

Schema

The initial database schema is as following:

- **user**(user_id, user_name, user_phone, user_email, user_password, user_address)
- **food**(food_id, food_name, price, description, food_type, food_image)
- **restaurant**(restaurant_id, restaurant_name, restaurant_type, open_hour, zipcode, restaurant_city, restaurant_address, restaurant_phone, website, accepted_credit_card, restaurant_image)
- **orders**(order_id, order_time, delivery_time, delivery_address, total_amount, user_id)
- **comments**(comment_number, comment_content, comment_date, user_id)
- **cart**(cart_number, user_id)
- **payment**(order_id, payment_number, payment_date, payment_amount, payment_method)
- **order_food**(order_id, restaurant_id, food_id, quantity)
- **cart_food**(cart_id, restaurant_id, food_id, food_quantity)

Create database and table

The sql for create database and tables are as following(in db.sql):

```
create database ruhungry_db;
```

```
create table user
```

```
(user_id integer auto_increment,  
user_name varchar(20),  
user_phone char(13),  
user_email varchar(30),  
user_password char(8),  
user_address varchar(50),  
primary key(user_id));
```

```
create table restaurant
```

```
(restaurant_id integer auto_increment,  
restaurant_name varchar(40),  
restaurant_type varchar(40),  
open_hour varchar(20),  
zipcode char(5),  
restaurant_city varchar(30),  
restaurant_address varchar(100),  
restaurant_phone char(10),
```

```
website varchar(100),  
accepted_credit varchar(50),  
restaurant_image varchar(100),  
primary key(restaurant_id));
```

```
create table food  
(food_id integer auto_increment,  
food_name varchar(40),  
price float,  
description varchar(60),  
food_type varchar(15),  
food_image varchar(100),  
primary key(food_id));
```

```
create table orders  
(order_id integer auto_increment,  
order_time timestamp,  
delivery_time timestamp,  
delivery_address varchar(50),  
total_amount float,  
user_id integer,  
primary key(order_id),  
foreign key(user_id) references user(user_id));
```

```
create table comments  
(comment_id integer auto_increment,  
comment_content varchar(200),  
comment_date date,  
user_id integer,  
primary key(comment_id),  
foreign key(user_id) references user(user_id));
```

```
create table cart  
(cart_id integer auto_increment,  
user_id integer,  
primary key(cart_id),  
foreign key(user_id) references user(user_id));
```

```
create table payment  
(order_id integer,  
payment_number integer,  
payment_date timestamp,
```

```
payment_amount float,  
payment_method varchar(20),  
primary key(order_id, payment_number),  
foreign key(order_id) references orders(order_id));
```

```
create table order_food  
(order_id integer,  
restaurant_id integer,  
food_id integer,  
food_quantity integer,  
primary key(order_id, restaurant_id, food_id),  
foreign key(order_id) references orders(order_id),  
foreign key(restaurant_id) references restaurant(restaurant_id),  
foreign key(food_id) references food(food_id));
```

```
create table cart_food  
(cart_id integer,  
restaurant_id integer,  
food_id integer,  
food_quantity integer,  
primary key(cart_id, restaurant_id, food_id),  
foreign key(cart_id) references cart(cart_id),  
foreign key(restaurant_id) references restaurant(restaurant_id),  
foreign key(food_id) references food(food_id));
```