MVP Submission Format [BE]

Berikut adalah contoh format untuk pengumpulan MVP (Minimum Viable Product) oleh peserta didik:

Judul Proyek : Pemesanan Cafe
Nama Peserta : Muhammad Reza Hidayat
Kelas : D-Golang

Deskripsi Produk:
Dibuatnya aplikasi ini terinspirasi dari lama nya ngantri dalam makanan seperti di cafe cafe yang terkini ada juga pengaplikasian menggunakan remote namun si pelanggan mengharuskan mengantri dan memilih makanan kemudian balik lagi hal ini yang membuat saya memunculkan ide untuk membuat aplikasi ini agar si pelanggan tidak membuang waktu dalam memesan makanan dan juga mepermudah pemesanan makanan sekaligus membuat lebih efisien ,kemudain juga mempermudah cafe atau resto dalam memasarkan diskon di daerah dan customer secara akauran dan terukur

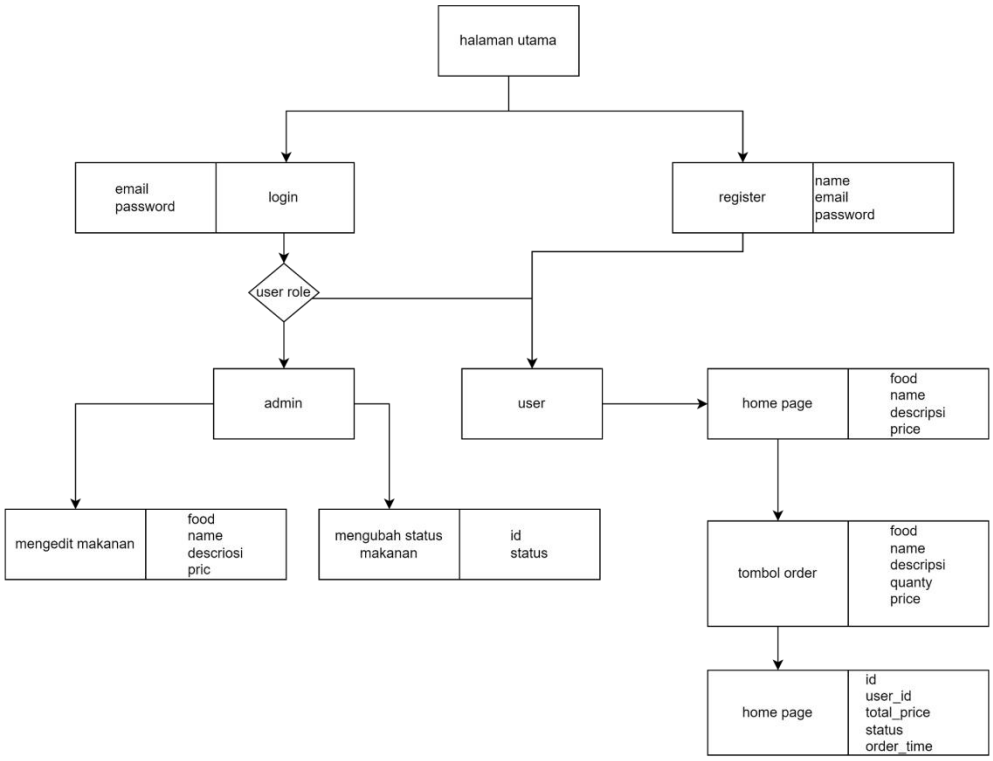
Spesifikasi Fitur Produk: (jelaskan spesifikasi fitur pada produk yang akan dibuat)
Contoh:

- User dapat registrasi dengan role sebagai customer atau kasir
- User dapat login dengan email dan password
- User dapat melihat daftar makanan
- User dapat menambahkan pesanan baru (order)
- Kasir dapat menambahkan produk makanan baru
- Kasir dapat melihat detail pesanan berdasarkan ID pesanan
- Kasir dapat mengupdate order dalam sistem
- Kasir dapat menghapus order dalam sistem
- Kasir dapat mengubah data makanan berdasarkan ID makanan
- Kasir dapat menghapus data makanan berdasarkan ID makanan
- Kasir dapat melihat status pesanan berdasarkan ID pesanan

Tech Stack: jelaskan tech stack yang akan digunakan, tech stack terdiri dari:

- App Framework : Echo
- ORM Library : GORM
- DB : Mysql
- Deployment : AWS EC2
- Code Structure : MVC
- Authentication : JWT

Pemecahan Per Featur



ERD

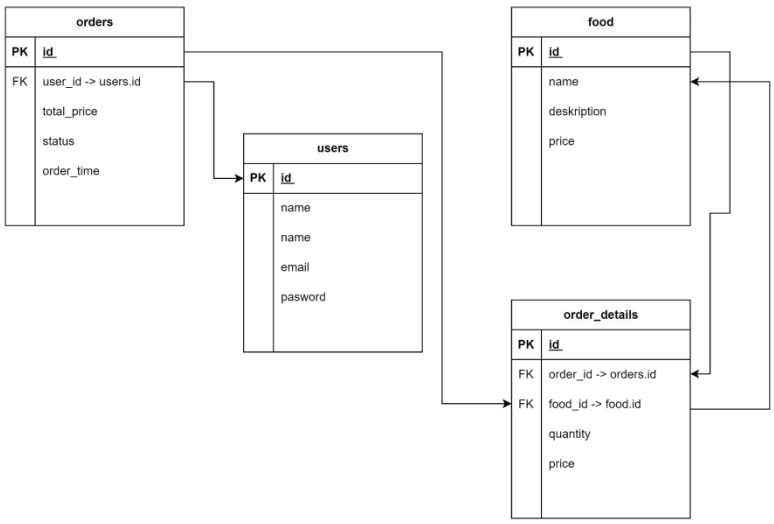
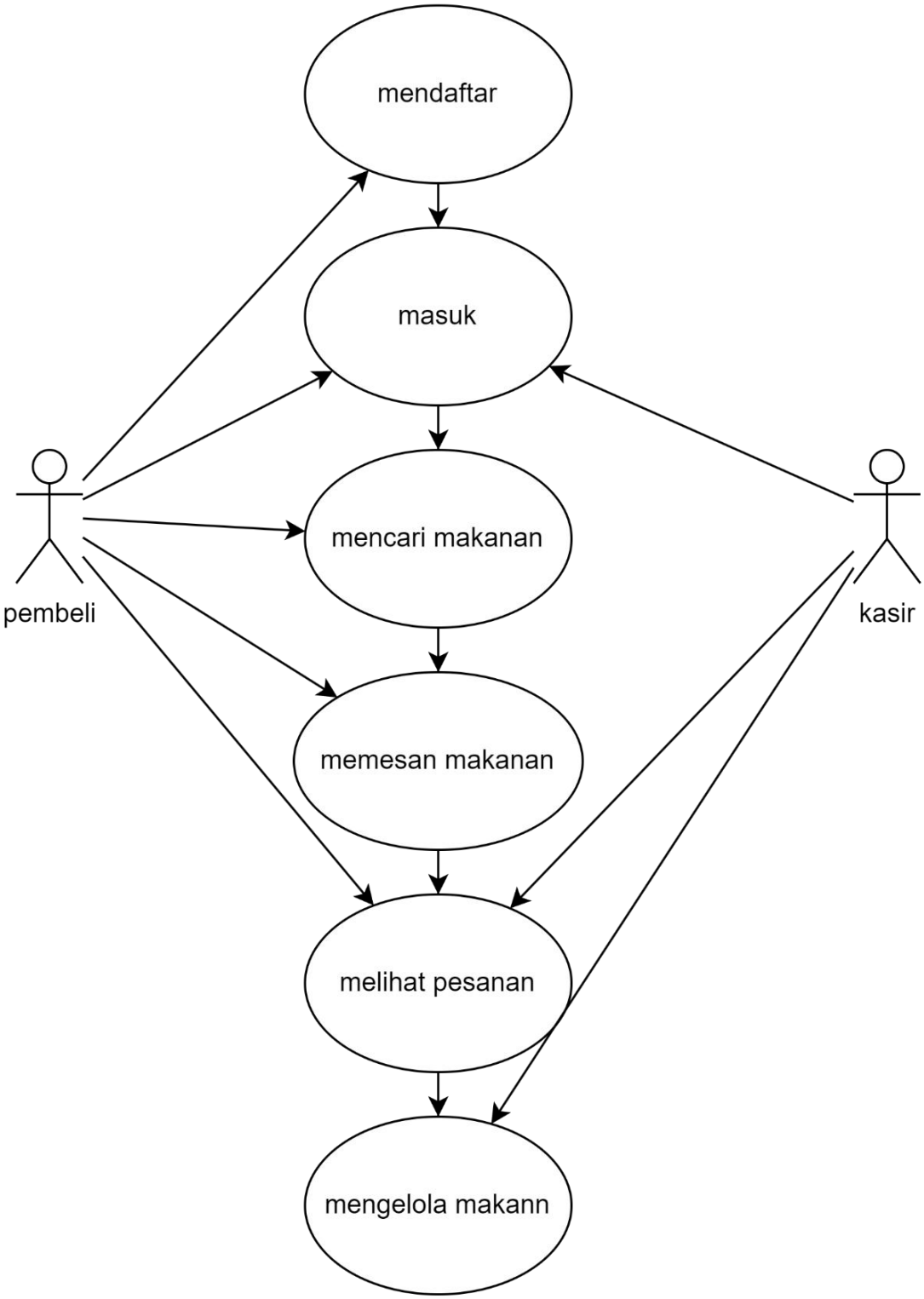

orders
PK
id
FK
user_id -> users.id
total_price
status
order_time
users
PK
id
name
name
email
pasword
food
PK
id
name
deskription
price
order_details
PK
id
FK
order_id -> orders.id
FK
food_id -> food.id
quantity
price

DIAGRAM USECASE



DATABASE

database

```
CREATE DATABASE
cafe;
USE cafe;
```

```
CREATE TABLE users (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(255) NOT NULL,
    email VARCHAR(255) UNIQUE NOT NULL,
    password VARCHAR(255) NOT NULL,
    role VARCHAR(255) NOT NULL
);
```

```
CREATE TABLE food (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(255) NOT NULL,
    description VARCHAR(255),
    price DECIMAL(10, 2) NOT NULL
);
```

```
CREATE TABLE orders (
    id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT NOT NULL,
    total_price DECIMAL(10, 2) NOT NULL,
    status ENUM('proses', 'selesai') NOT NULL,
    order_time TIMESTAMP DEFAULT
CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES users(id)
);
```

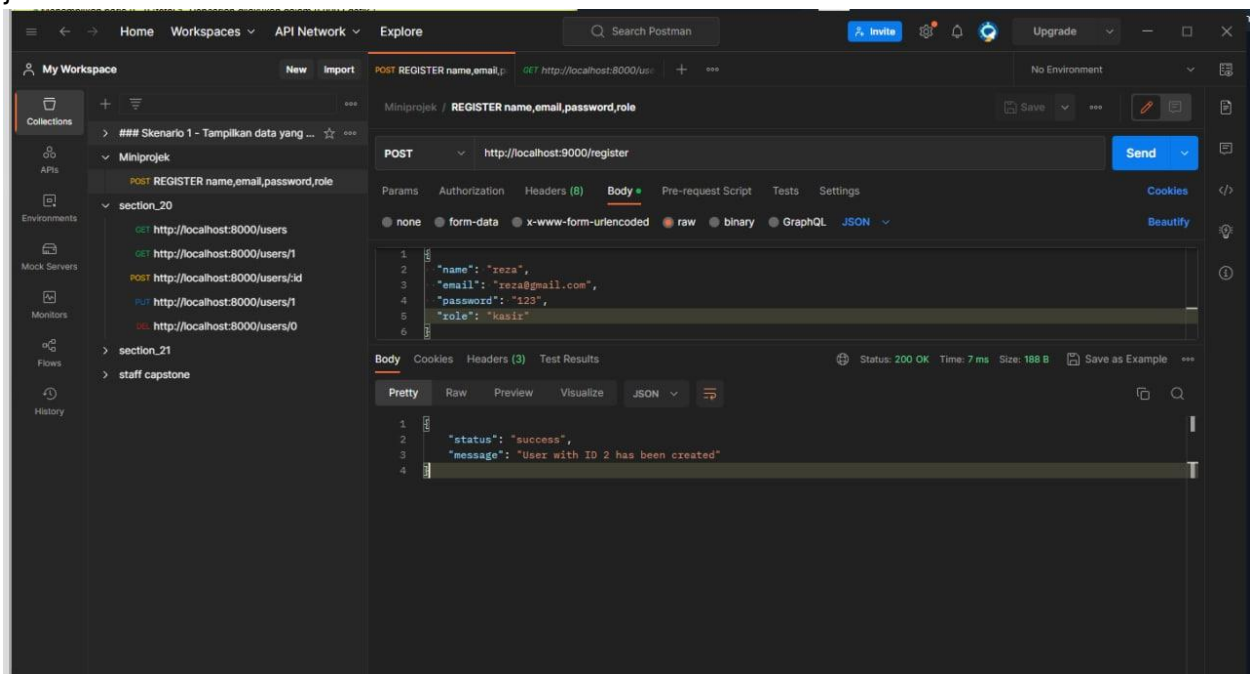
```
CREATE TABLE order_details (
    id INT AUTO_INCREMENT PRIMARY KEY,
    order_id INT NOT NULL,
    food_id INT NOT NULL,
    quantity INT NOT NULL,
    price DECIMAL(10, 2) NOT NULL,
    FOREIGN KEY (order_id) REFERENCES orders(id),
    FOREIGN KEY (food_id) REFERENCES food(id)
);
```

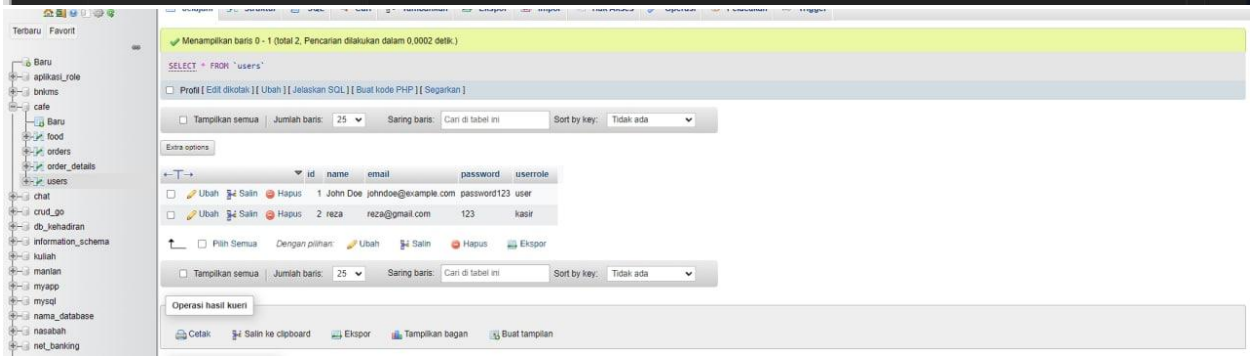
POSTMAN

Register

http://localhost:9000/register

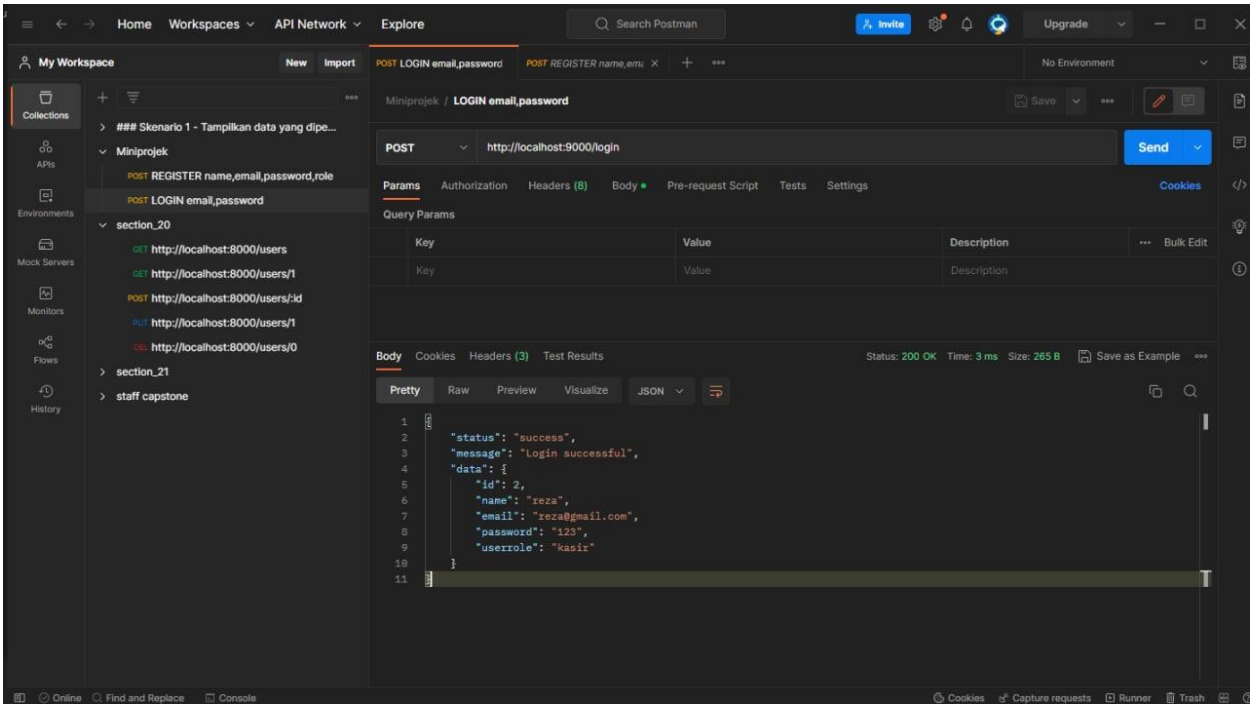
```
{
  "name": "John Doe",
  "email": "johndoe@example.com",
  "password": "password123",
  "role": "user"
}
```

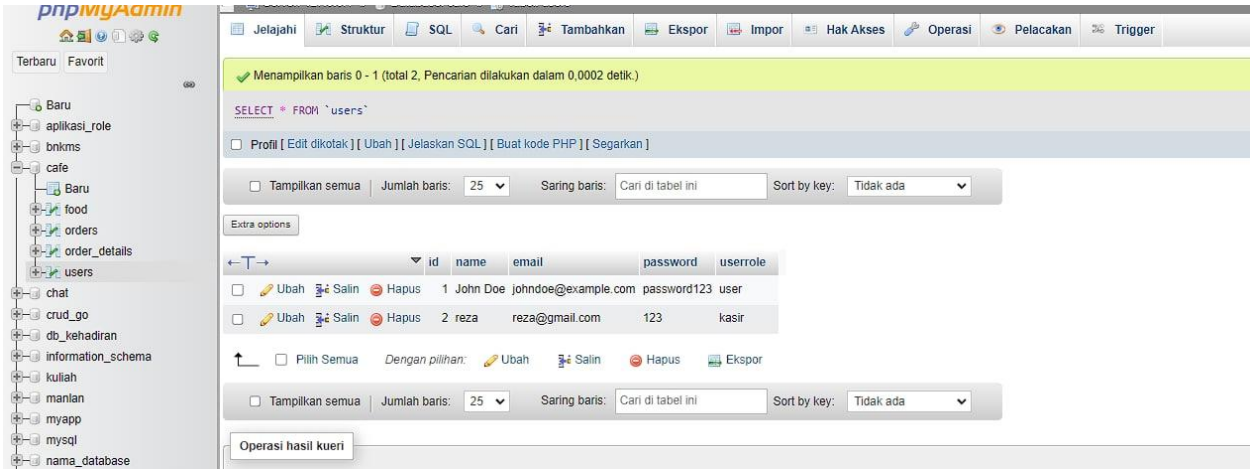




Login
http://localhost:9000/login

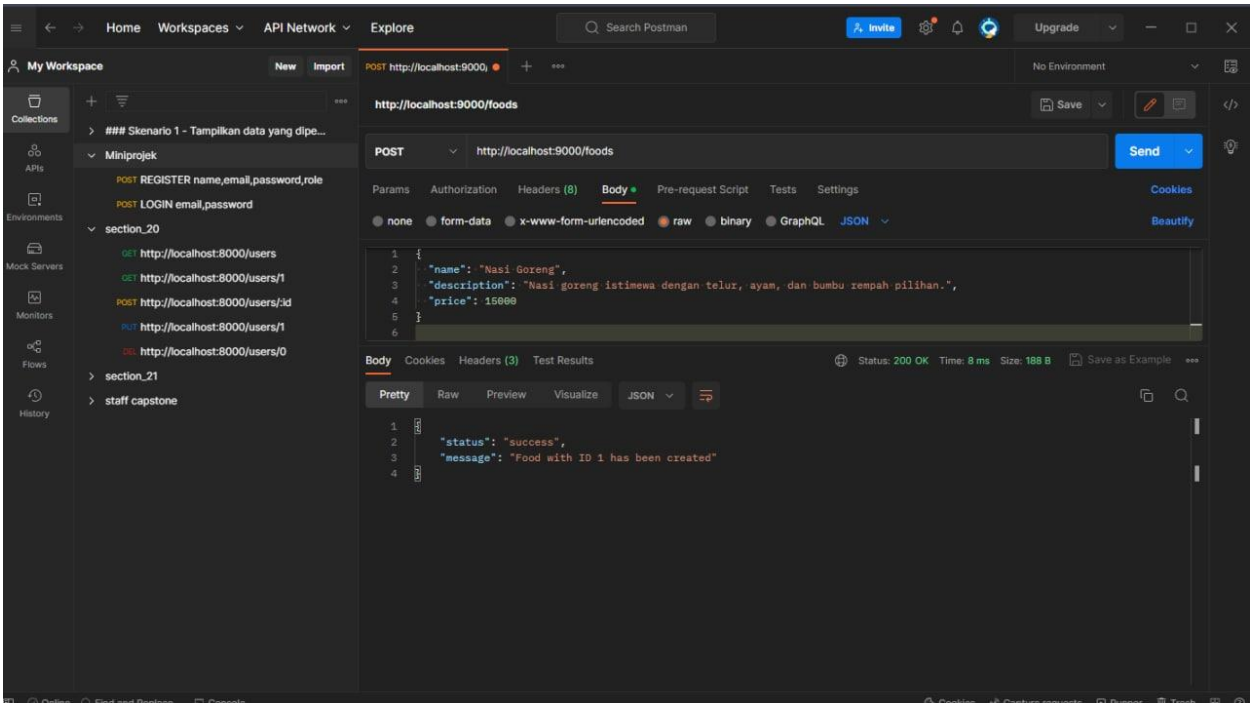
```
{
    "email": "reza@gmail.com",
    "password": "123"
}
```

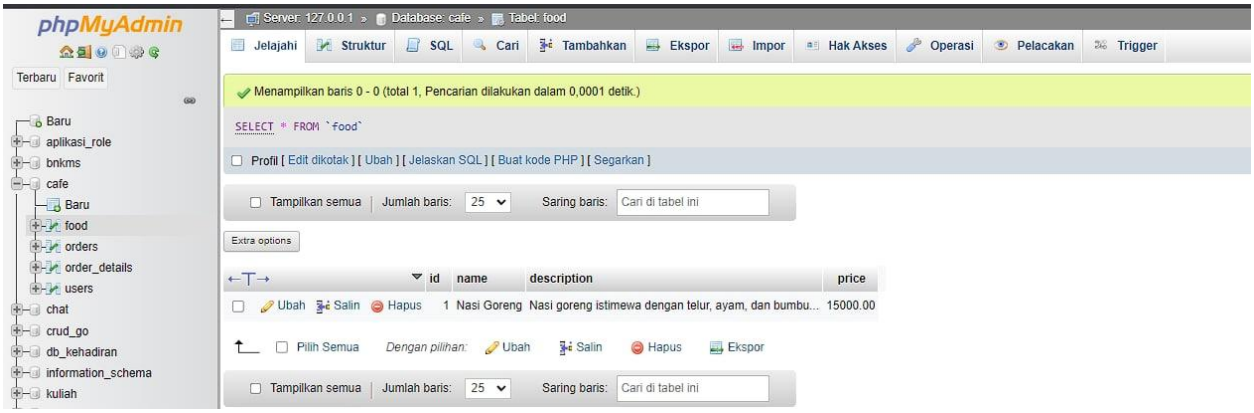




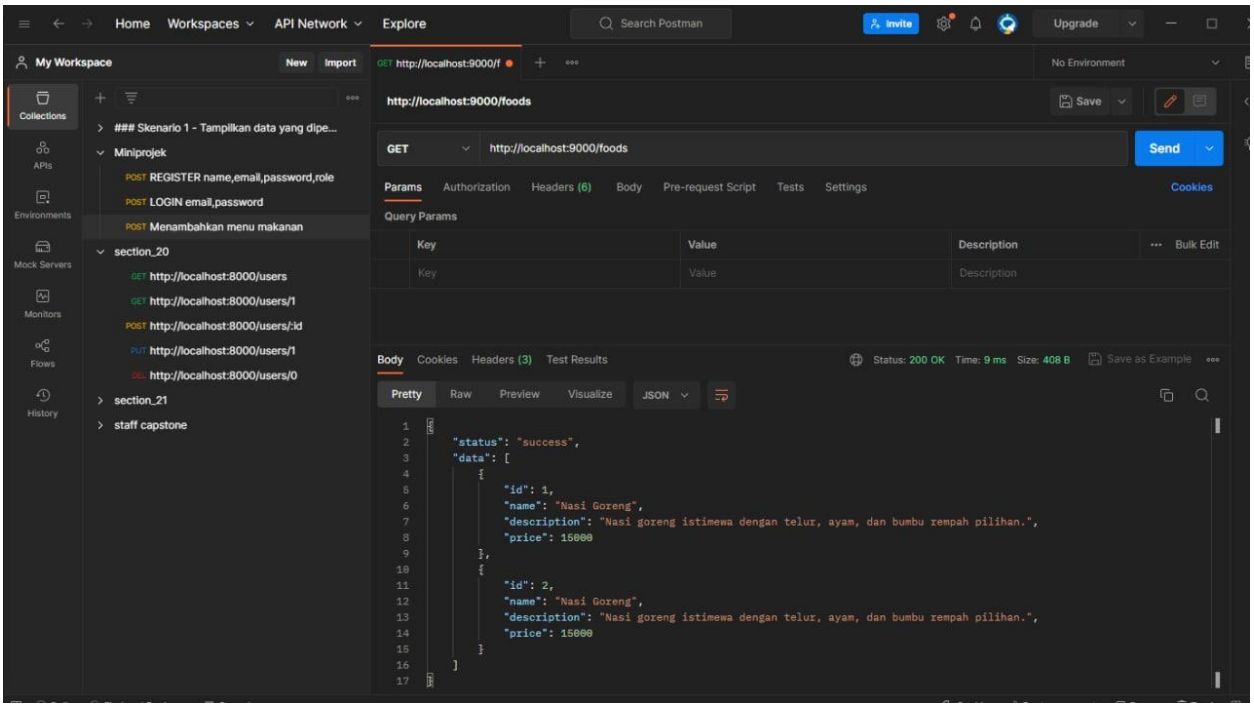
Menambahkan Menu Makanan
http://localhost:9000/foods

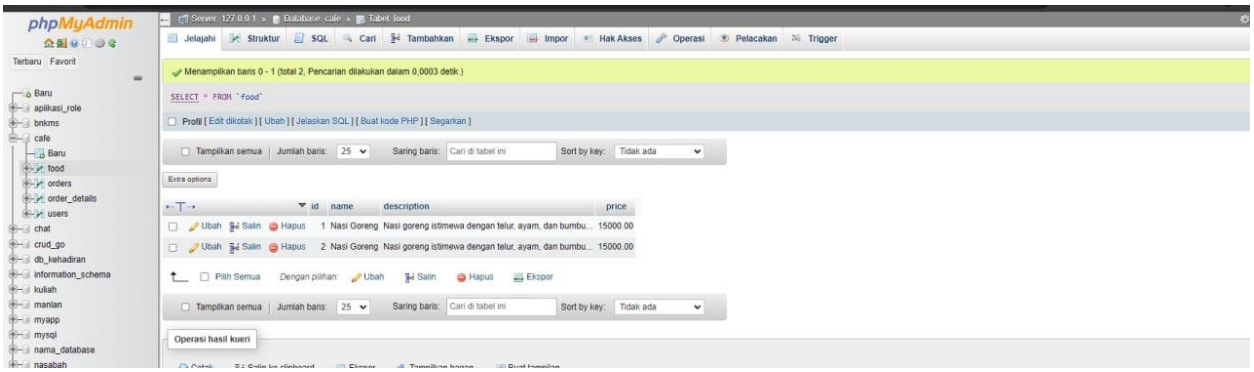
```
{
  "name": "Nasi Goreng",
  "description": "Nasi goreng istimewa dengan telur, ayam, dan bumbu rempah pilihan.",
  "price": 15000
}
```





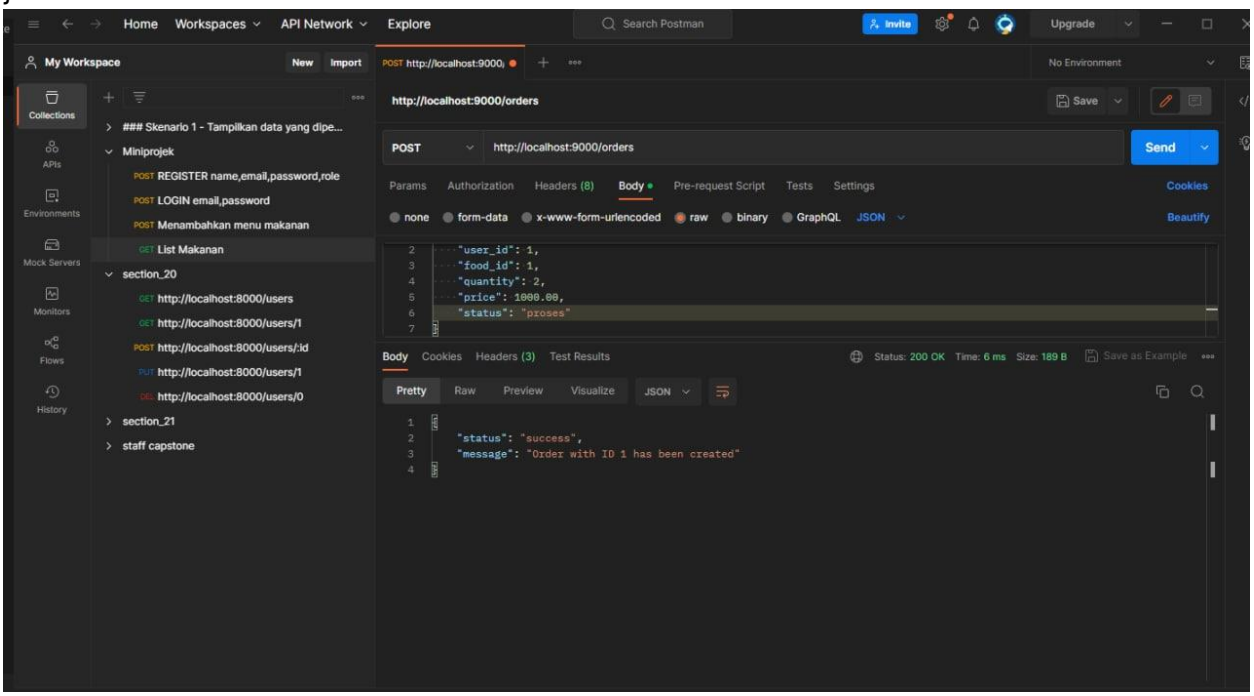
List Makanan
http://localhost:9000/foods





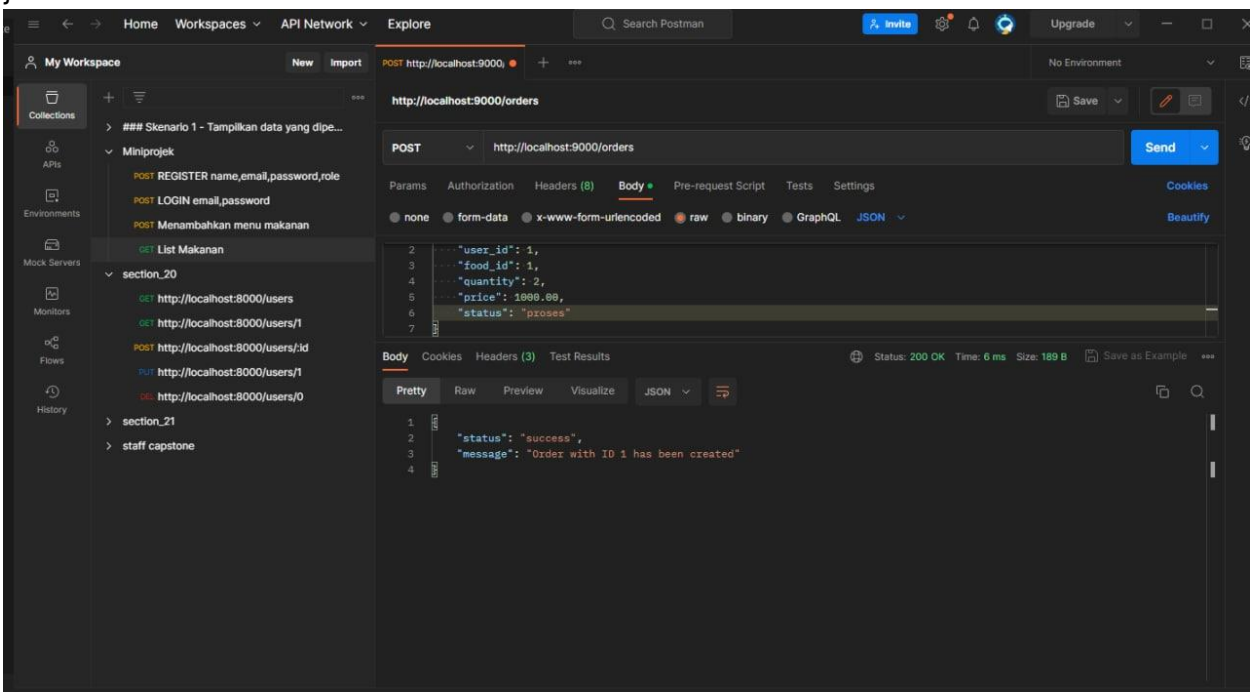
Order Makanan
http://localhost:9000/orders

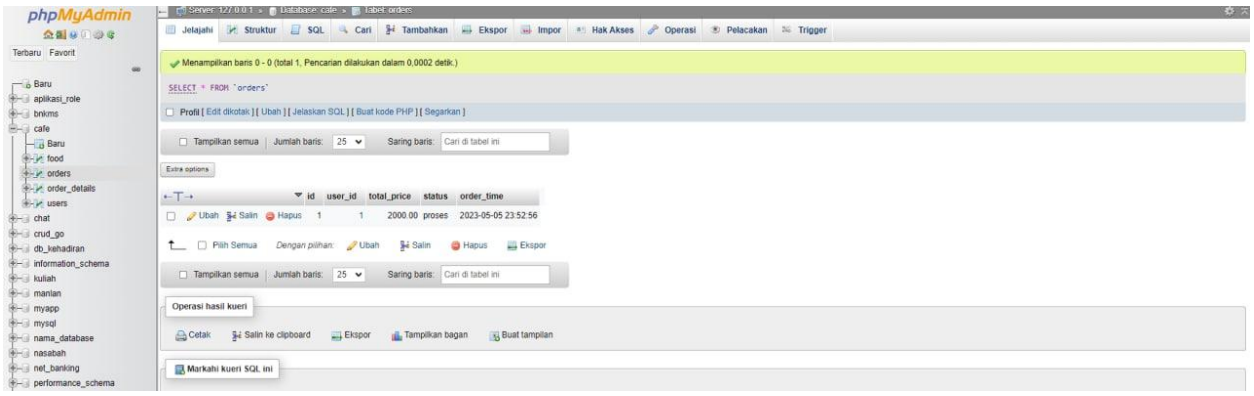
```
{
    "user_id": 1,
    "food_id": 1,
    "quantity": 2,
    "price": 1000.00,
    "status": "proses"
}
```

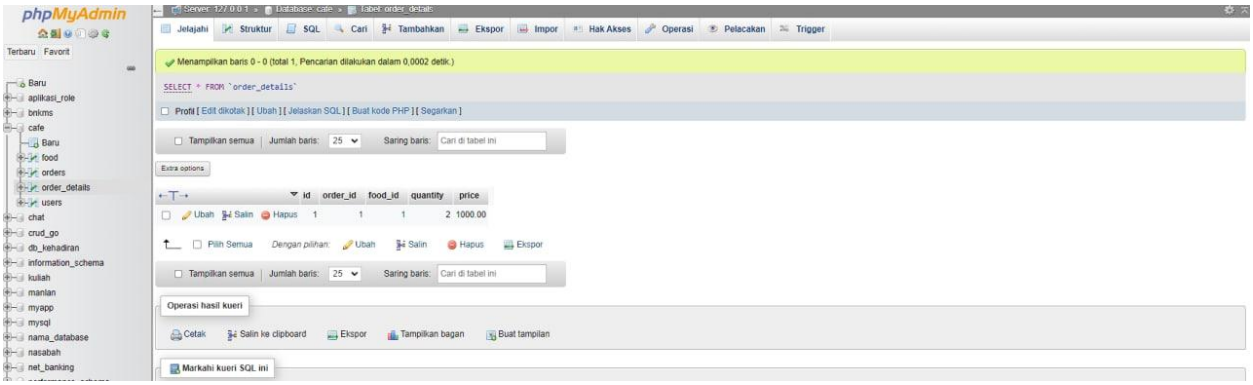


Order Makanan
http://localhost:9000/orders

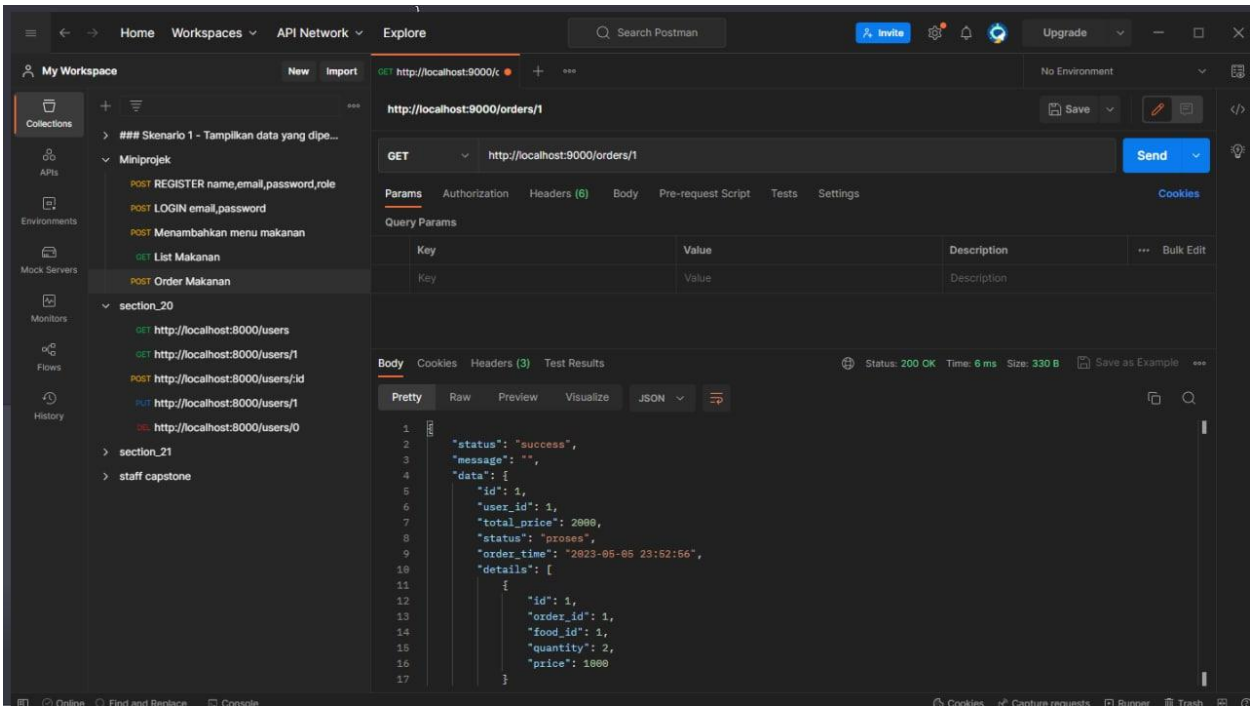
```
{
    "user_id": 1,
    "food_id": 1,
    "quantity": 2,
    "price": 1000.00,
    "status": "proses"
}
```

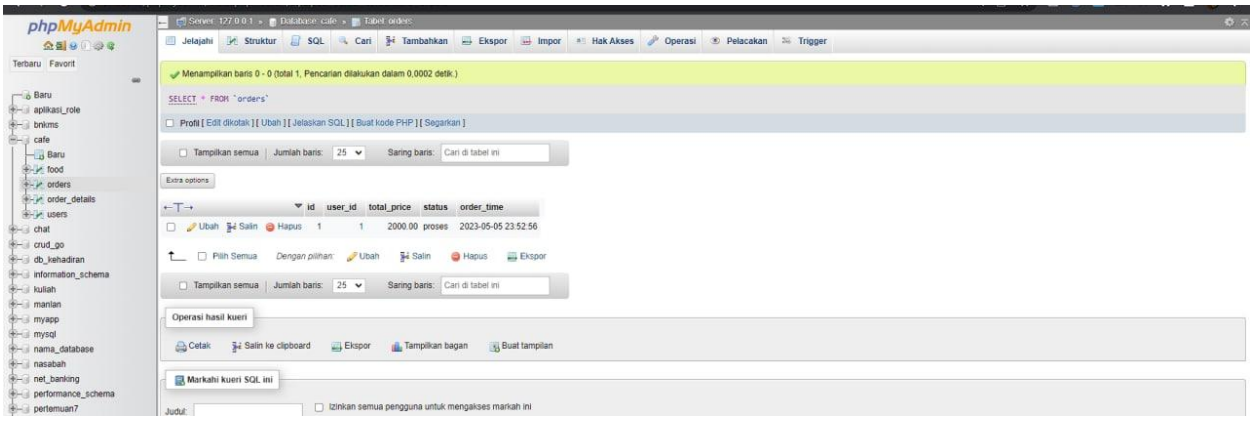






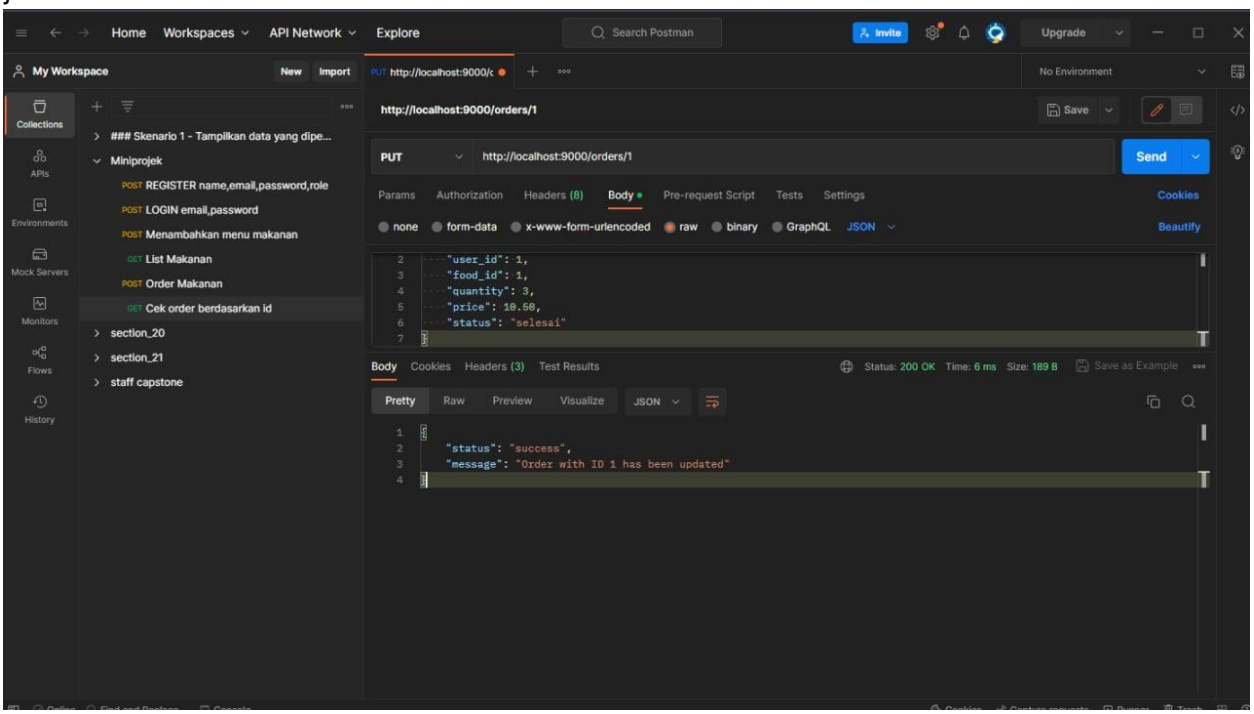
Cek Order Berdasarkan ID
http://localhost:9000/orders/1

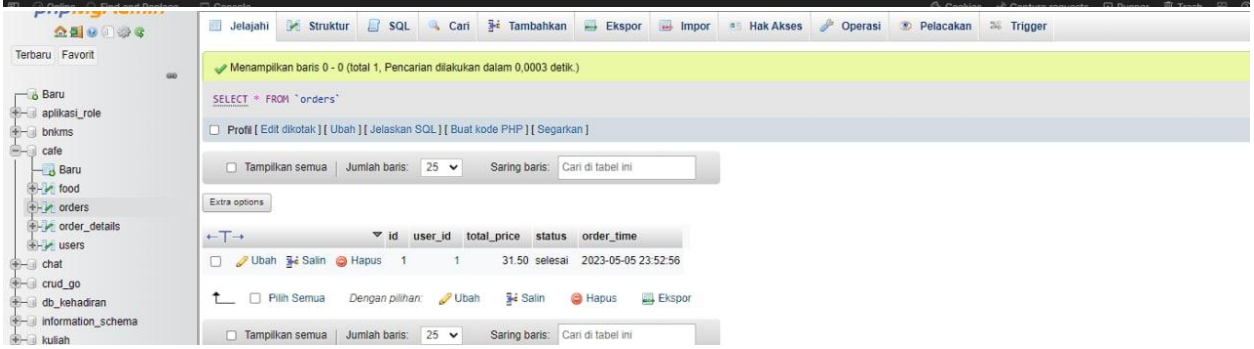




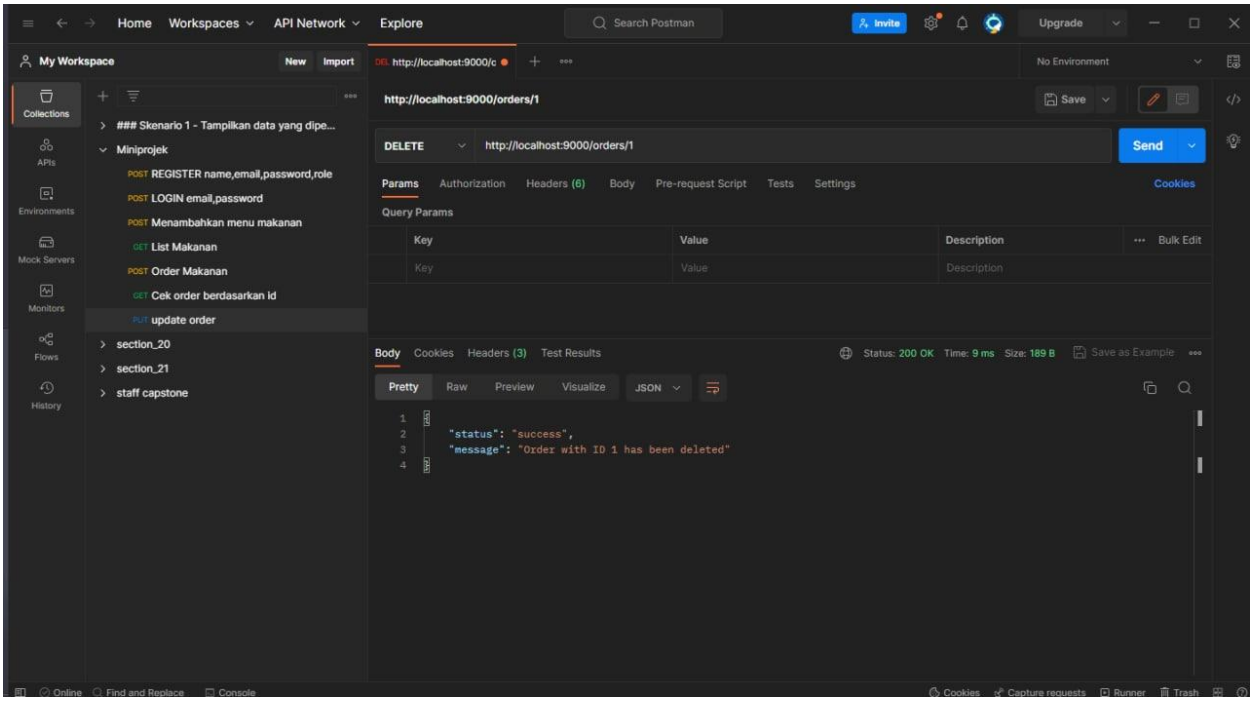
update order
http://localhost:9000/orders/1

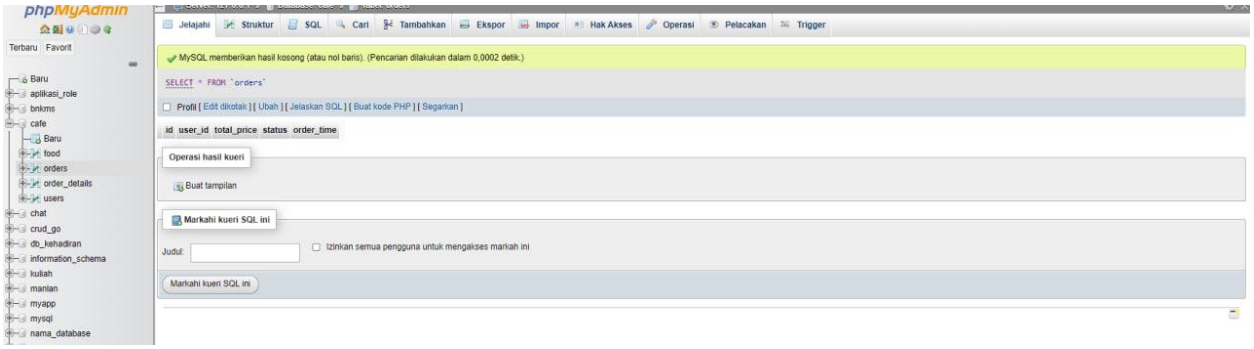
```
{
    "user_id": 1,
    "food_id": 1,
    "quantity": 3,
    "price": 10.50,
    "status": "selesai"
}
```





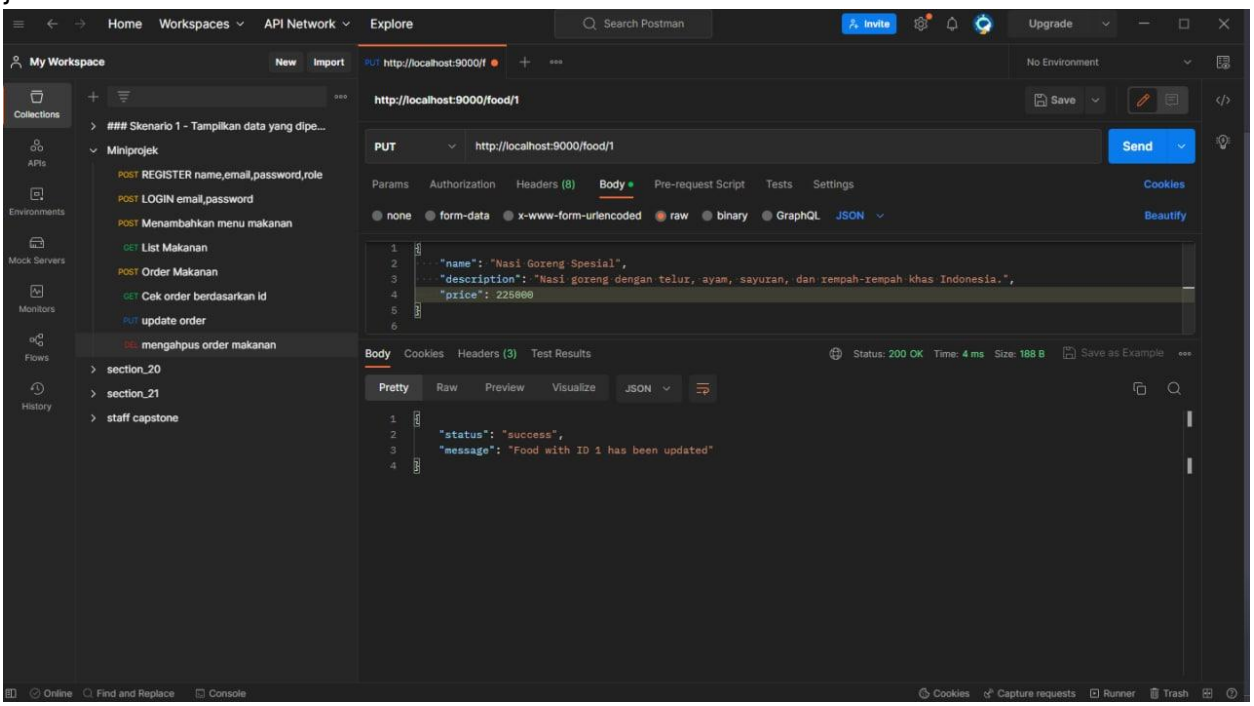
Delet Order
http://localhost:9000/orders/1

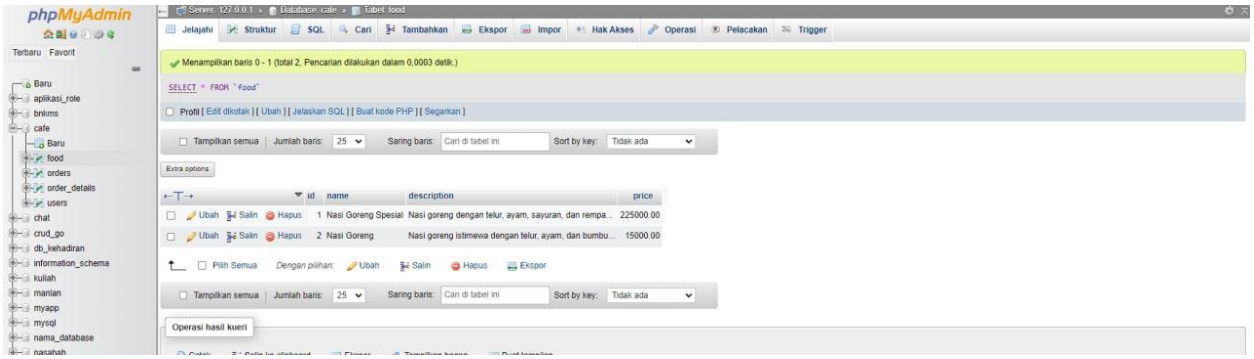




update menu makanan
http://localhost:9000/food/1

{
    "name": "Nasi Goreng Spesial",
    "description": "Nasi goreng dengan telur, ayam, sayuran, dan rempah-rempah khas Indonesia.",
    "price": 225000
}





menghapus menu makanan
http://localhost:9000/food/1