

# DOCUMENTATION API-MNC

## USER :

- Admin
- Merchant
- Customer

## Hak Akses Admin:

- Konfirmasi pembayaran
- CRUD bank

## Hak Akses Merchant:

- CRUD Merchant
- CRUD Product
- CRUD Bank
- Melihat riwayat transaksi
- Melihat riwayat aktivitas

## Hak Akses Customer

1. CRUD customer
2. Melakukan transaksi
3. Melihat riwayat transaksi

## Alur System

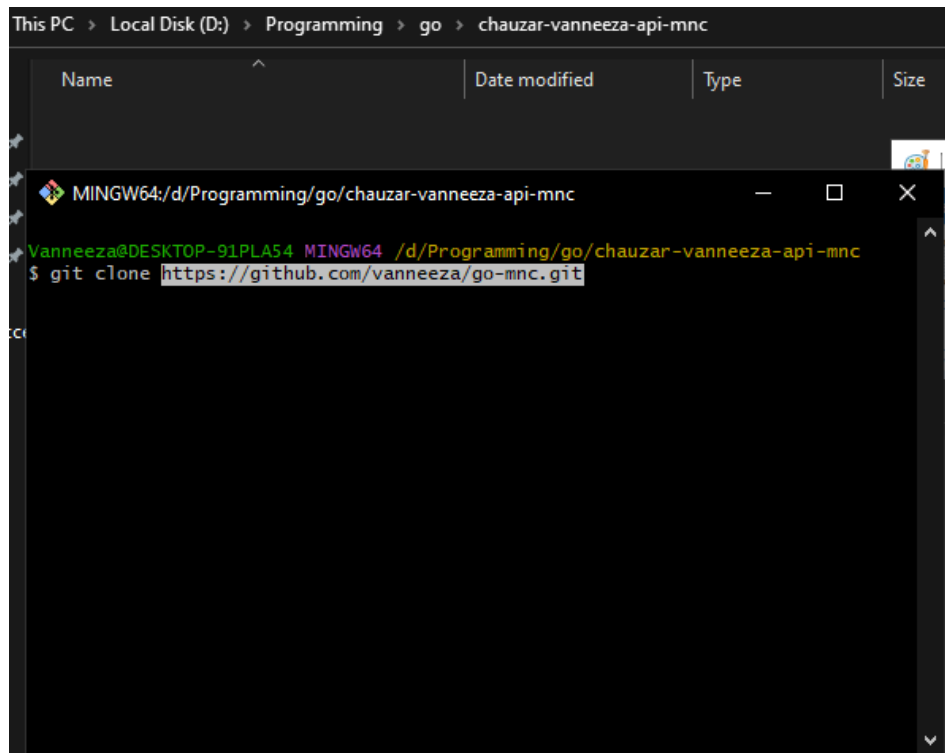
1. Merchant daftar, login, menambahkan product dan menambahkan bank
2. Customer daftar, login melakukan transaksi seperti membuat *order* dan melakukan *payment*
3. Admin akan melakukan konfirmasi *payment*, transaksi selesai

## Persyaratan

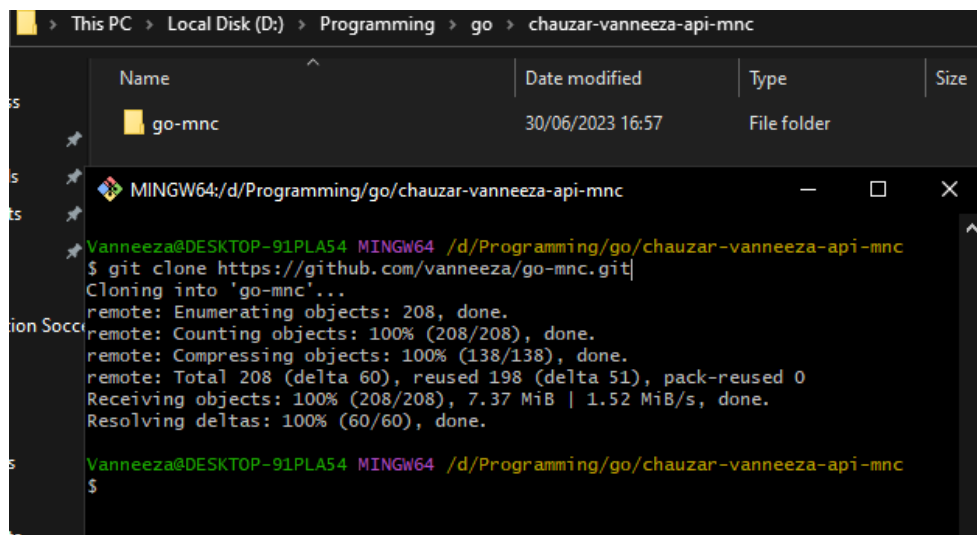
- Mempunyai PostgreSQL
- Mempunyai aplikasi seperti vscode
- Mempunyai aplikasi seperti postman

## Instalasi

- Clone repository <https://github.com/vanneeza/go-mnc.git>

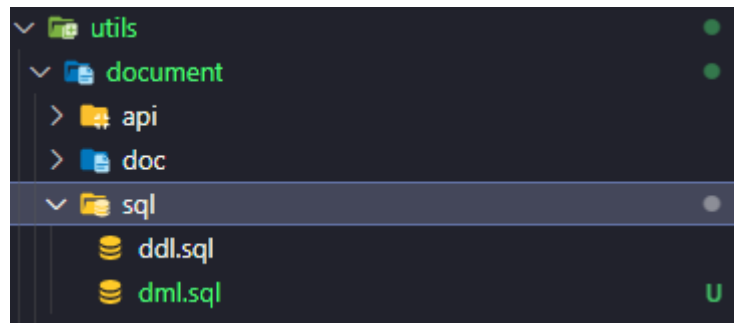


```
MINGW64:/d/Programming/go/chauzar-vanneeza-api-mnc
Vanneeza@DESKTOP-91PLA54 MINGW64 /d/Programming/go/chauzar-vanneeza-api-mnc
$ git clone https://github.com/vanneeza/go-mnc.git
```



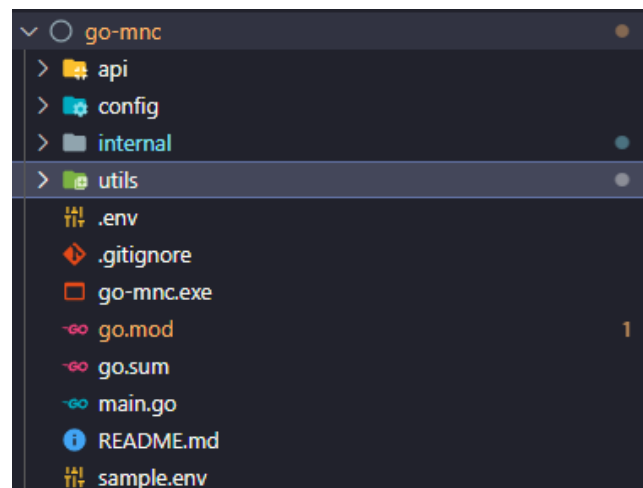
```
MINGW64:/d/Programming/go/chauzar-vanneeza-api-mnc
Vanneeza@DESKTOP-91PLA54 MINGW64 /d/Programming/go/chauzar-vanneeza-api-mnc
$ git clone https://github.com/vanneeza/go-mnc.git
Cloning into 'go-mnc'...
remote: Enumerating objects: 208, done.
remote: Counting objects: 100% (208/208), done.
remote: Compressing objects: 100% (138/138), done.
remote: Total 208 (delta 60), reused 198 (delta 51), pack-reused 0
Receiving objects: 100% (208/208), 7.37 MiB | 1.52 MiB/s, done.
Resolving deltas: 100% (60/60), done.
Vanneeza@DESKTOP-91PLA54 MINGW64 /d/Programming/go/chauzar-vanneeza-api-mnc
$
```

- Buat database di postgresSQL
- Buka folder tempat Anda menyimpan *clone repository*. Buka `./utils/document/sql` Import `ddl.sql` dan `dml.sql` kedalam database yang sudah dibuat tadi



Pastikan untuk melakukan import ddl.sql terlebih dahulu, lalu dml.sql

- Import project ke dalam vscode atau aplikasi sejenisnya
- Buat file “.env”. Sebagai contoh, Anda bisa melihat file sample.env.
- 



- Ketik “go mod tidy” pada terminal. Untuk memastikan package telah terinstall semua.

```
Vaneeza@DESKTOP-91PLA54 MINGW64 /d/Programming/go/go-mnc (master)
$ go mod tidy
```

Anda juga bisa menggunakan “go build”, untuk memastikan semua package telah terinstal

```
Vaneeza@DESKTOP-91PLA54 MINGW64 /d/Programming/go/go-mnc (master)
$ go build
```

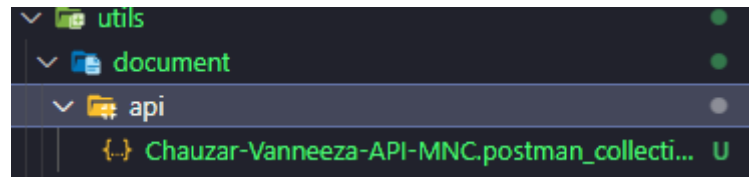
- Ketik “go run main.go”. Untuk menjalankan server
- 

```
Vaneeza@DESKTOP-91PLA54 MINGW64 /d/Programming/go/go-mnc (master)
$ go run main.go
```

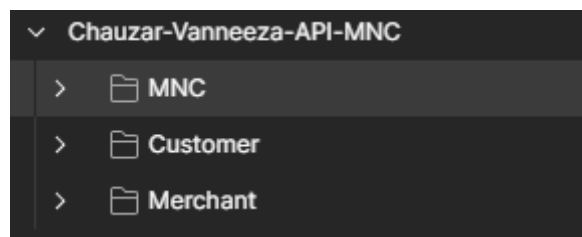
Apabila menggunakan “go build”, Anda bisa open file nama\_file.exe (go-mnc.exe)



- Buka postman atau aplikasi sejenisnya
- Import file collection postman yang berada pada folder ../utils/document/api/



## API



Terdapat tiga (3) folder API MNC, Customer dan Merchant. Untuk API yang berada di folder MNC tidak memerlukan akses login. Customer dan Merchant memerlukan akses login jika ingin digunakan.

Semua response code akan memiliki tampilan seperti :

```
"customer": {
  "code": 201,
  "status": "CREATED",
  "message": "Create Customer Has Successfully",
  "data": {
    "id": "2RvGKzoUCRYaKG9GrRlziffeUh2",
    "name": "Chauzar",
    "phone": "08995609988",
    "address": "Jln. Jalan Ke Bogor"
  }
}
```

1. "code"  
Type : integer  
Description: status response code
2. "status"  
Type: string  
Description: arti dari status response code
3. "message"  
Type: string  
Description: pesan dari response

4. "data"  
Type: interface  
Description: data yang akan ditampilkan

Ketika customer melakukan transaksi akan terdapat "status" terdapat 3 status yaitu :

1. Pending  
Order belum dibayarkan oleh customer

```
"detail": {  
  "id": "2RvkZkha7fnbTXpAZfFvaCsRsaB",  
  "status": "Pending",  
  "total_price": 15000,  
  "bank": [  

```

2. Done  
Order sudah dibayarkan oleh customer, Namun, belum dikonfirmasi oleh admin

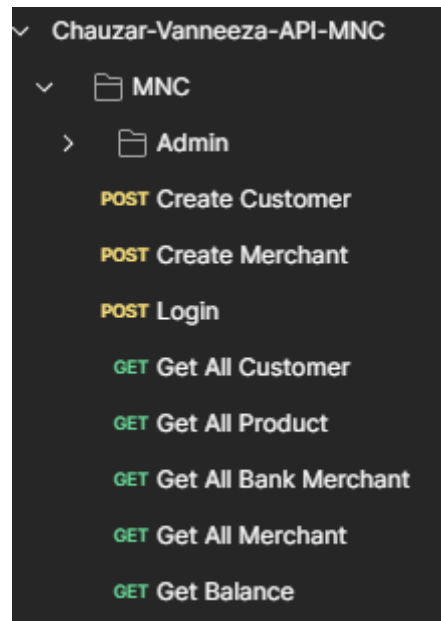
```
"detail": {  
  "id": "2RvYe8b9MgJxgtzem2CQX7EDD5S",  
  "status": "Done",  
  "total_price": 135000,  
  "photo": "Chat.png"  
},
```

3. Paid  
Order sudah dibayarkan oleh customer dan sudah dikonfirmasi oleh admin

```
"data": [  
  {  
    "id": "2RvYe8b9MgJxgtzem2CQX7EDD5S",  
    "status": "Paid",  
    "total_price": 135000,  
    "pay": 135000,  

```

## API MNC



## 1. API ADMIN

GET Get All Orders  
POST Confirmation

### 1. Get All Orders

API untuk admin, akan menampilkan semua orderan yang berstatus “Done”

```
"orders": {
  "code": 200,
  "status": "OK",
  "message": "List of all order data with status is DONE",
  "data": [
    {
      "id": "2RvYe8b9MgJxgtzem2CQX7EDD5S",
      "status": "Done",
      "total_price": 135000,
      "pay": 135000,
      "bank": {
        "id": "2RnzuNowNHnjI5IA8xyM0hLOaBD",
        "name": "BJB",
        "bank_account": "PT. Vanneeza Corps",
        "branch": "Cisarua",
        "account_number": 435346342341
      },
      "photo": "Chat.png",
      "order": {
        "id": "2RvYe89tKiavA8DIWnyshavDW0Z",
        "qty": 3,
        "product": {
          "id": "2RvSr7t7HK8gdZ6IsCW3fSBcXeZ",
          "name": "Coffe latte, Mochachino",
```

```
          "name": "Coffe latte, Mochachino",
          "price": 45000,
          "description": "Minuman kopi, untuk kamu yang suka begadang",
          "merchant": {
            "id": "2RvHuyuqettIrFwto6nYBfS33eK6",
            "name": "Toko Baby Elite",
            "phone": "089455231243"
          }
        },
        "customer": {
          "id": "2RvLAjli7mFVK2GyhQ3IDIXe6PK",
          "name": "Keysa",
          "phone": "089516855430",
          "address": "jln. Washingkilo"
        }
      }
    }
  ]
}
```

Setelah mendapatkan order yang sudah done, kita bisa melakukan “confirmation” dengan cara masuk ke API confirmation.

## 2. Confirmation

```
orders": {
  "code": 200,
  "status": "OK",
  "message": "List of all order data with status is DONE",
  "data": [
    {
      "id": "2RvYe8b9MgJxgtzem2CQX7EDD5S",
      "status": "Done",
      "total_price": 135000,
      "pay": 135000,
      "bank": {
```

Pada API Get All Order kita akan melihat data 'id' yang berada di atas status  
salin ID tersebut ke URL

<http://localhost:8000/mnc/api/transaction/confirmation/2RvYe8b9MgJxgtzem2CQX7EDD5S>



Response Berhasil :

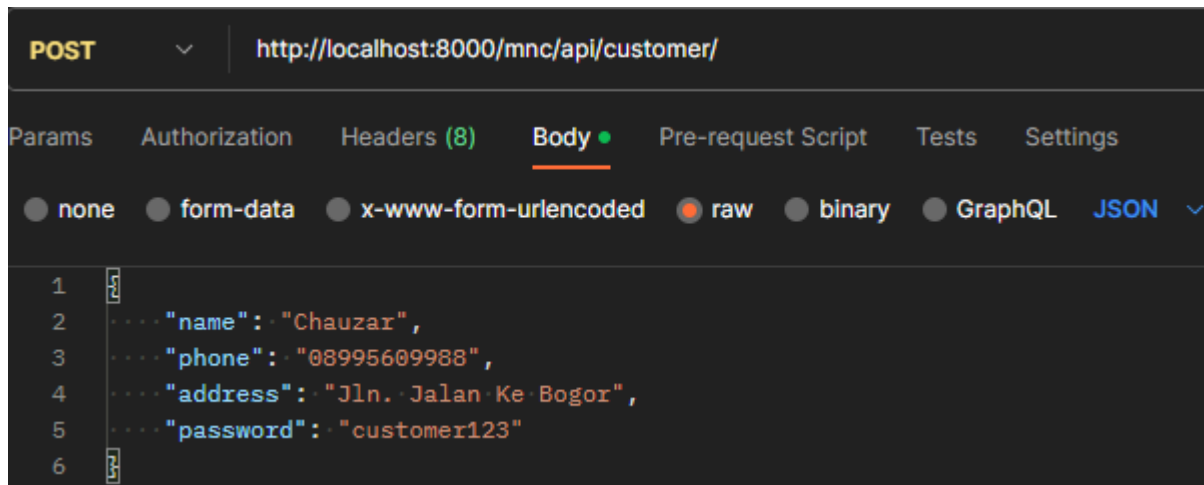
```
"confirmation": {
  "code": 200,
  "status": "OK",
  "message": "The payment order has confirmation by admin! Transaction Successfully!",
  "data": [
    {
      "id": "2RvYe8b9MgJxgtzem2CQX7EDD5S",
      "status": "Paid",
      "total_price": 135000,
      "pay": 135000,
      "bank": {
        "id": "2RnzuNoWNHnJI5IA8xyM0hL0aBD",
        "name": "BJB",
        "bank_account": "PT. Vanneeza Corps",
        "branch": "Cisarua",
        "account_number": 435346342341
      },
      "photo": "Chat.png",
      "order": {
        "id": "2RvYe89tKiavA8DIWnyshavDWOZ",
        "qty": 3,
        "product": {
          "id": "2RvSr7t7HK8gdZ6IsCW3fSBcXeZ",
          "name": "Coffe latte, Mochachino",
```

```
          "name": "Coffe latte, Mochachino",
          "price": 45000,
          "description": "Minuman kopi, untuk kamu yang suka begadang",
          "merchant": {
            "id": "2RvHuyuqettIrFwto6nYBfS33eK6",
            "name": "Toko Baby Elite",
            "phone": "089455231243"
          }
        },
        "customer": {
          "id": "2RvLAj1I7mFVK2GyhQ3IDIXe6PK",
          "name": "Keysa",
          "phone": "089516855430",
          "address": "jln. Washingkilo"
        }
      },
      "payout": {
        "payout": 135000,
        "bank_merchant": {
          "id": "2RvTd0r4M30rSjMdGblrt4GFVSv",
          "name": "Mandiri",
          "bank_account": "PT. Makanan Sehat",
          "branch": "Jakarta",
          "account_number": 35544569744
        }
      }
    }
  ]
}
```

Transaksi antara customer dan merchant telah selesai

## 2. API Create Customer

Merupakan API untuk membuat customer



Request Parameter :

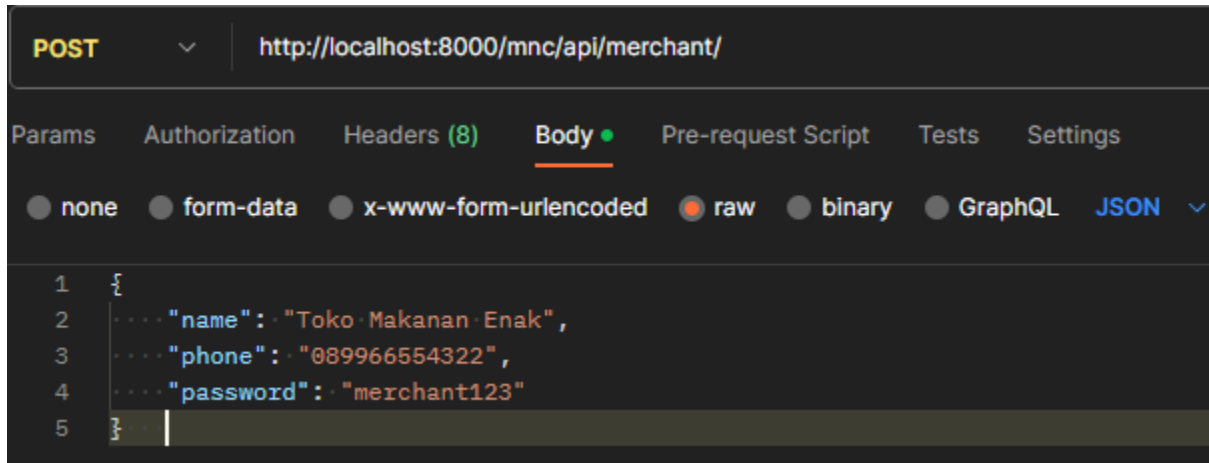
1. "name"  
Type: string  
Description: nama user yang akan digunakan di system ini
2. "phone"  
Type: string (**UNIQUE**)  
Description: nomor handphone yang akan digunakan pada **API Login**
3. "address"  
Type: string  
Description: Alamat customer
4. "password"  
Type: string  
Description: password user yang akan digunakan pada **API Login**

Response Berhasil :

```
"customer": {
  "code": 201,
  "status": "CREATED",
  "message": "Create Customer Has Successfully",
  "data": {
    "id": "2RvGKzoUCRYaKG9GrRlziffeUh2",
    "name": "Chauzar",
    "phone": "08995609988",
    "address": "Jln. Jalan Ke Bogor"
  }
}
```

Pastikan semua data terisi, pastikan “phone” di isi dengan nomor yang belum pernah digunakan. Agar tidak terjadi error

#### 1. API Create Merchant



Request Parameter:

1. “name” (**Required**)  
Type : string  
Description: nama merchant yang akan digunakan pada system
2. “phone” (**Required**) (**UNIQUE**)  
Type: string  
Description: nomor handphone yang akan digunakan pada **API Login**
3. “password” (**Required**)  
Type: string  
Description: password user yang akan digunakan pada **API Login**

Response Berhasil:

```
"merchant": {
  "code": 201,
  "status": "CREATED",
  "message": "Create Merchant Has Successfully",
  "data": {
    "id": "2RvHyuqettIrFwto6nYBfS33eK6",
    "name": "Toko Makanan Enak",
    "phone": "089966554322"
  }
}
```

Pastikan semua data terisi, Khususnya dibagian “phone”, karena apabila “phone” di isi dengan nomor yang sudah pernah digunakan. Maka akan keluar error.

## 2. API LOGIN

API Login merupakan API yang akan digunakan oleh user customer dan merchant ada dua (2) data yang perlu dikirimkan dari bodynya yaitu

Request Paramater :

### 1. "phone" (Unique)

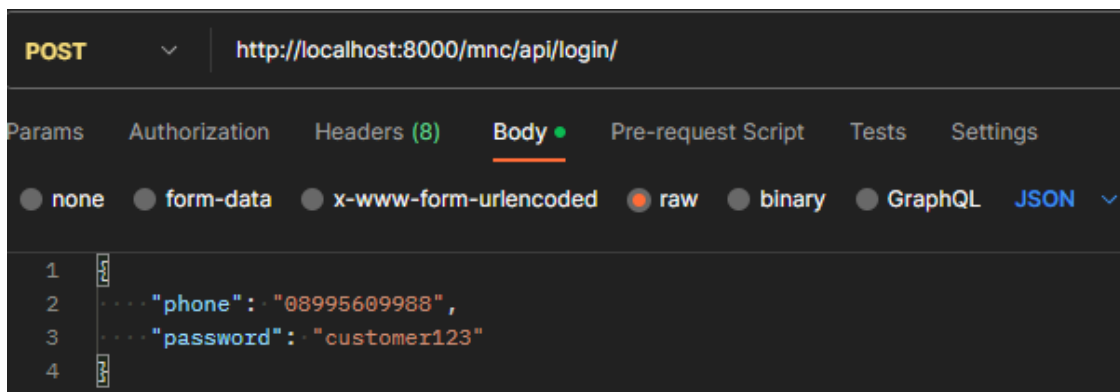
Type: string

Description : nomor handphone yang didaftarkan saat membuat akun customer atau merchant pada **API Create Customer** dan **Create Merchant**

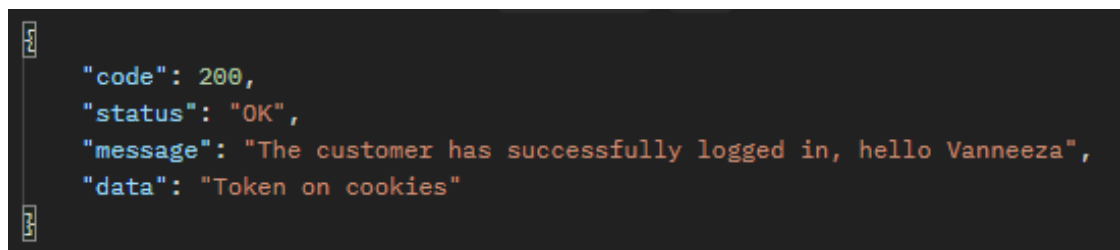
### 2. "password" (Required)

Type: string

Description: password dari user

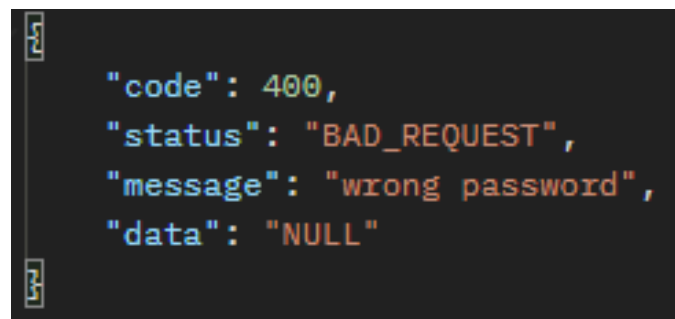


Response Berhasil:



Response Gagal:

nomor password benar namun, nomor telepon salah :



nomor telepon dan password salah:

```
{
  "code": 404,
  "status": "STATUS_NOT_FOUND",
  "message": "Failed to login, user not found",
  "data": "NULL"
}
```

Request parameter tidak lengkap.

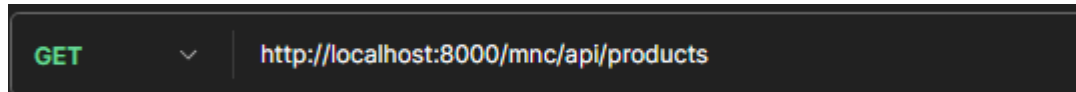
```
{
  "login": {
    "code": 400,
    "status": "BAD_REQUEST",
    "message": "Failed to login",
    "data": "NULL"
  }
}
```

### 3. API Get All Customer

Merupakan API untuk melihat semua data customer yang sudah terdaftar di system

```
{
  "customer": {
    "code": 200,
    "status": "OK",
    "message": "List of all customer data",
    "data": [
      {
        "id": "2RvGKzoUCRYaKG9GrRlziffeUh2",
        "name": "Chauzar",
        "phone": "08995609988",
        "address": "Jln. Jalan Ke Bogor"
      },
      {
        "id": "2RvLAj1I7mFVK2GyhQ3IDIXe6PK",
        "name": "Vanneeza",
        "phone": "089554433221",
        "address": "Jln. Jalan Kemana"
      }
    ]
  }
}
```

#### 4. API Get All Product



Merupakan API untuk melihat semua data product yang sudah terdaftar di system  
Response Berhasil:

```
"product": {
  "code": 200,
  "status": "OK",
  "message": "List of all product data",
  "data": [
    {
      "id": "2RvSjoY382luGDPHfIUu5Gu8LtU",
      "name": "Juice Mangga",
      "price": 20000,
      "description": "Minuman rasa mangga",
      "merchant": {
        "id": "2RvHyuqettIrFwto6nYBfS33eK6",
        "name": "Toko Baby Elite",
        "phone": "089455231243"
      }
    }
  ]
}
```

#### 5. API Get All Bank Merchant

Merupakan API untuk melihat semua data bank merchant yang sudah terdaftar di system

```
"bank": {
  "code": 200,
  "status": "OK",
  "message": "List of all bank data",
  "data": [
    {
      "id": "2RvTd0r4M30rSjMdGblrt4GFVSv",
      "name": "Mandiri",
      "bank_account": "PT. Makanan Sehat",
      "branch": "Jakarta",
      "account_number": 35544569744,
      "merchant": {
        "id": "2RvHyuqettIrFwto6nYBfS33eK6",
        "name": "Toko Baby Elite",
        "phone": "089455231243"
      }
    }
  ]
}
```

## 6. API Get All Merchant

```
"merchant": {
  "code": 200,
  "status": "OK",
  "message": "List of all merchant data",
  "data": [
    {
      "id": "2RqiXKQGNxf4ZkFRSDU1U5FA1E0",
      "name": "Toko Makanan Sehat",
      "phone": "089912366631"
    },
    {
      "id": "2RrDT2sR20oBwipuQNdkPJkaJRB",
      "name": "Toko Minuman Jahe",
      "phone": "08995609988"
    },
    {
      "id": "2RvHyuqettIrFwto6nYBfS33eK6",
      "name": "Toko Makanan Enak",
      "phone": "089966554322"
    }
  ]
}
```

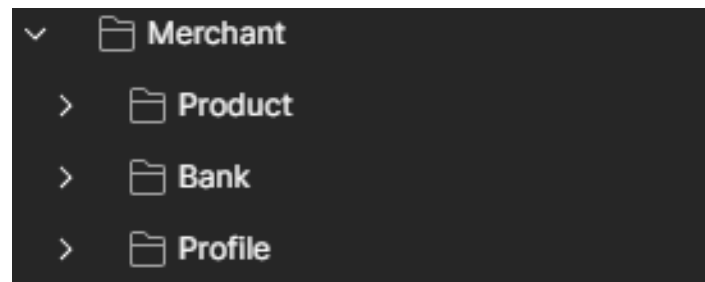
Merupakan API untuk melihat semua data merchant yang sudah terdaftar pada system

## 7. API Get Balance

Merupakan API untuk melihat saldo admin, saldo atau balance akan bertambah apabila customer sudah melakukan payment dan akan berkurang ketika admin sudah melakukan konfirmasi payment customer. Setelah dikonfirmasi, saldo akan dikirim ke bank merchant. Secara otomatis.

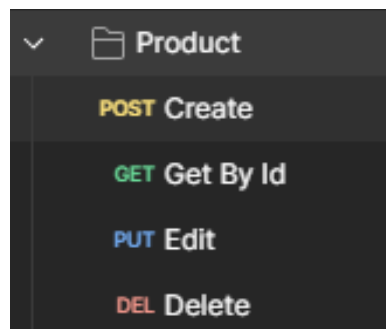
```
{
  "code": 200,
  "status": "OK",
  "message": "Total Balance",
  "data": {
    "balance": 205000
  }
}
```

## API Merchant



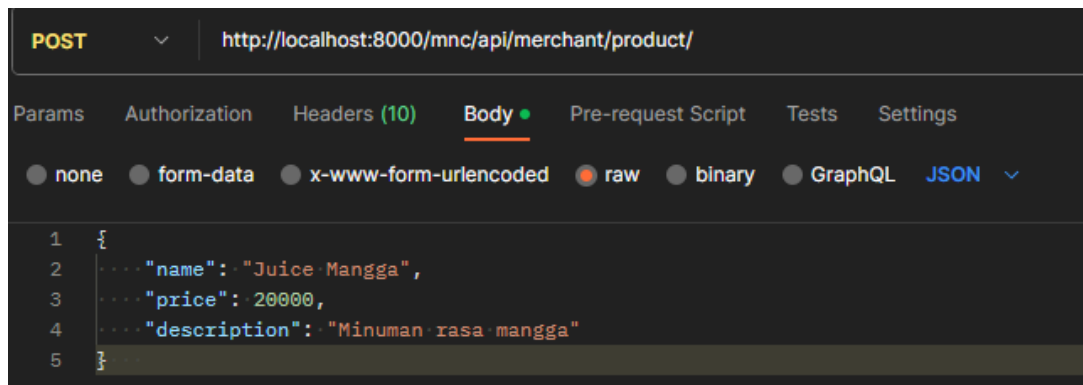
Terdapat tiga (3) folder API yaitu product, bank dan profile. Semua yang berada pada folder merchant hanya dapat digunakan oleh user merchant yang sudah login.

### 1. Product



#### a. Create

Untuk menambahkan product



Request Paramater :

1. "name" (**Required**)  
Type: string  
Description: nama product
2. "price" (**Required**)  
Type: float64  
Description: harga product
3. "description" (**Required**)  
Type: string  
Description: penjelasan dari product



Response Berhasil :

```
{
  "product": {
    "code": 201,
    "status": "CREATED",
    "message": "Created Product Has Successfully",
    "data": {
      "id": "2RvObmCfcOZ3V00IQcK0bd35re4",
      "name": "Juice Mangga",
      "price": 20000,
      "description": "Minuman rasa mangga",
      "merchant": {
        "id": "2RvHyuqettIrFwto6nYBfS33eK6",
        "name": "Toko Makanan Enak",
        "phone": "089966554322"
      }
    }
  }
}
```

1. "id"  
Type: string  
Description: ID product
2. "name"  
Type: string  
Description: nama product
3. "price"  
Type: float64  
Description: harga dari product
4. Merchant.id:  
Type: string  
Description: ID merchant
5. Merchant.name:  
Type: string  
Description: nama merchant yang menjual product
6. Merchant.phone  
Type: string  
Description: nomor handphone merchant

b. Get By Id

Untuk mendapatkan product berdasarkan ID

Masukan ID product kedalam url

<http://localhost:8000/mnc/api/merchant/product/2RvObmCfcOZ3V00IQcK0bd35re4>

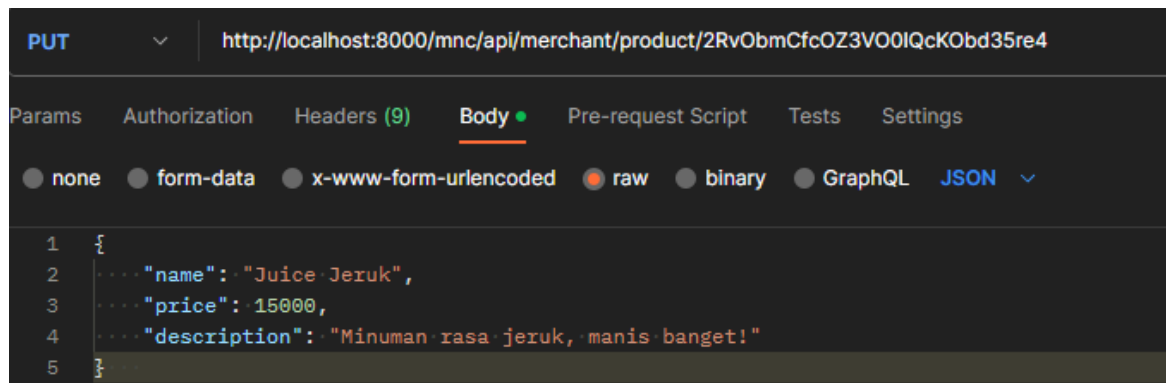
GET <http://localhost:8000/mnc/api/merchant/product/2RvObmCfcOZ3V00IQcK0bd35re4>

c. Edit

Untuk edit data product

Masukan ID Product yang ingin di edit pada url

`http://localhost:8000/mnc/api/merchant/product/2RvObmCfcOZ3VO0IQcKObd35re4`



Request Paramater:

1. "name" (**Required**)  
Type: string  
Description: "nama product"
2. "price" (**Required**)  
Type: string  
Description: "harga product"
3. "description" (**Required**)  
Description: "Deskripsi product"

Response Berhasil:

```
"product": {
  "code": 201,
  "status": "CREATED",
  "message": "Update Product Has Successfully",
  "data": {
    "id": "2RvObmCfcOZ3VO0IQcK0bd35re4",
    "name": "Juice Jeruk",
    "price": 15000,
    "description": "Minuman rasa jeruk, manis banget!",
    "merchant": {
      "id": "2RvHyuqettIrFwto6nYBfS33eK6",
      "name": "Toko Makanan Enak",
      "phone": "089966554322"
    }
  }
}
```

d. Delete

Menghapus product

Masukan ID product pada URL

<http://localhost:8000/mnc/api/merchant/product/2RvObmCfcOZ3VO0IQcK0bd35re4>

DELETE



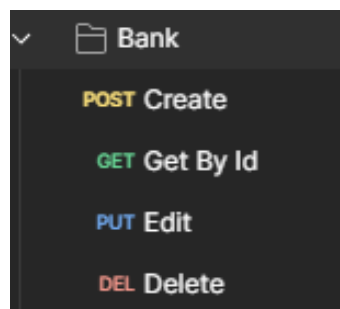
<http://localhost:8000/mnc/api/merchant/product/2RvObmCfcOZ3VO0IQcK0bd35re4>

Response Berhasil

```
"product": {
  "code": 200,
  "status": "OK",
  "message": "Delete product data with ID 2Rv0bmCfc0Z3V00IQcK0bd35re4 Successfully!",
  "data": {
    "id": "2Rv0bmCfc0Z3V00IQcK0bd35re4",
    "name": "Juice Jeruk",
    "price": 15000,
    "description": "Minuman rasa jeruk, manis banget!",
    "merchant": {
      "id": "2RvHyuqettIrFwto6nYBfS33eK6",
      "name": "Toko Makanan Enak",
      "phone": "089966554322"
    }
  }
}
```

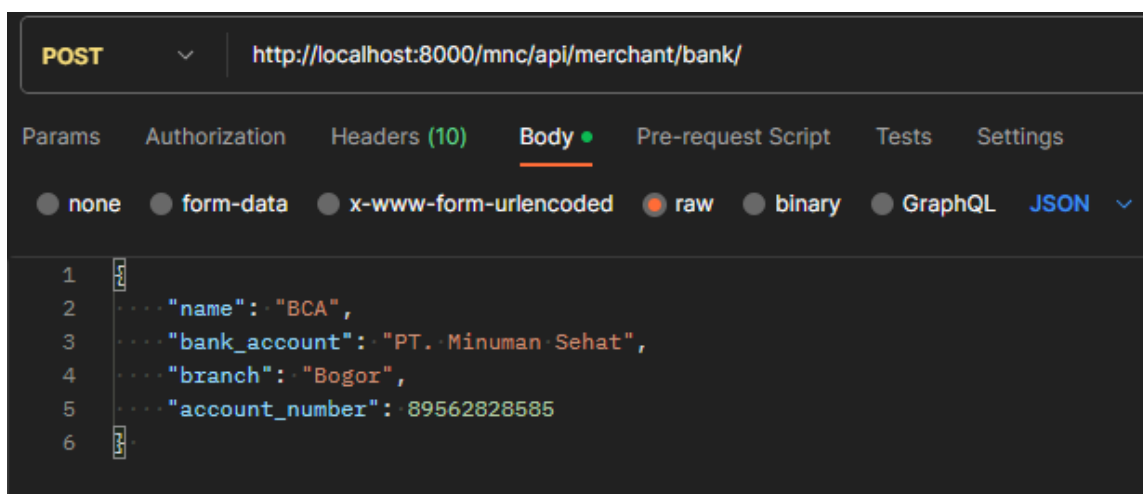
## 2. Bank

API untuk menambahkan bank merchant



- Create

Untuk menambahkan bank



Request Paramater:

1. "name" (**Required**)  
Type: string  
Description: nama bank
2. "bank\_account" (**Required**)  
Type: string  
Description: nama pemilik rekening
3. "branch" (**Required**)  
Type: string  
Description: cabang dari bank
4. "account\_number" (**Required**) (**UNIQUE**)
5. Type: int64  
Description: nomor rekening

Response Berhasil

```
"bank": {  
  "code": 201,  
  "status": "CREATED",  
  "message": "Created Bank Has Successfully",  
  "data": {  
    "id": "2RvTd0r4M30rSjMdGblrt4GFVSv",  
    "name": "Mandiri",  
    "bank_account": "PT. Makanan Sehat",  
    "branch": "Jakarta",  
    "account_number": 35544569744,  
    "merchant": {  
      "id": "2RvHyuqettIrFwto6nYBfS33eK6",  
      "name": "Toko Makanan Enak",  
      "phone": "089966554322"  
    }  
  }  
}
```

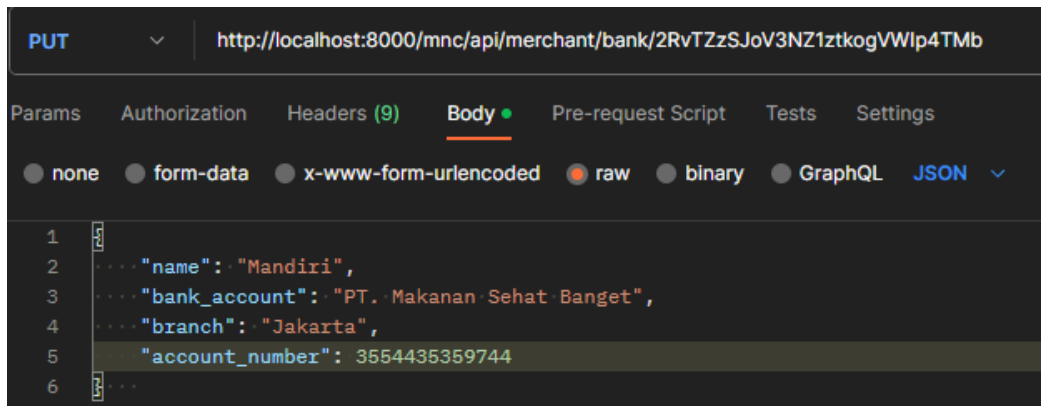
- Get By Id

- Edit

Untuk edit data bank

Masukan ID kedalam URL

<http://localhost:8000/mnc/api/merchant/bank/2RvTZzSJoV3NZ1ztkogVWIp4TMb>



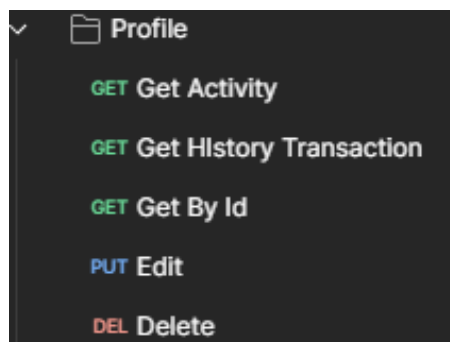
Response Berhasil

```
{
  "bank": {
    "code": 201,
    "status": "CREATED",
    "message": "Update Bank Has Successfully",
    "data": {
      "id": "2RvTZzSJoV3NZ1ztkogVWIp4TMb",
      "name": "Mandiri",
      "bank_account": "PT. Makanan Sehat Banget",
      "branch": "Jakarta",
      "account_number": 3554435359744,
      "merchant": {
        "id": "2RvHuyuqettIrFwto6nYBfS33eK6",
        "name": "Toko Makanan Enak",
        "phone": "089966554322"
      }
    }
  }
}
```

Catatan:

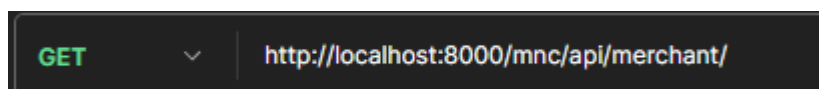
Ketika ingin melakukan update pastikan semua data dirubah, termasuk "account\_number", pastikan juga semua data terisi tidak ada yang kosong

### 3. Profile



- Get Activity

Melihat aktivitas apa saja yang dilakukan Ketika menggunakan aplikasi



Response Berhasil:

```
merchant": {
  "code": 200,
  "status": "OK",
  "message": "View history activity with ID merchant: 2RvHuyugettIrFwto6nYBfS33eK6",
  "data": [
    {
      "activity": "Register",
      "description": "Register Merchant With Name Toko Makanan Enak",
      "created_at": "2023-06-30T20:05:21.2719031+07:00"
    },
    {
      "activity": "View Profile",
      "description": "Toko Makanan Enak Has Viewed the Profile",
      "created_at": "2023-06-30T20:05:21.2719031+07:00"
    },
    {
      "activity": "View Profile",
      "description": "Toko Makanan Enak Has Viewed the Profile",
      "created_at": "2023-06-30T20:05:21.2719031+07:00"
    }
  ]
}
```

1. “activity” **(Required)**  
Type: string  
Description: Aktivitas yang dilakukan oleh merchant user
2. “description” **(Required)**  
Type: string  
Description: penjelasan dari aktivitas
3. “created\_at” **(Required)**  
Type: string  
Description: waktu saat melakukan aktivitas

- Get History Transaction

Untuk melihat product yang sudah terjual

```
GET http://localhost:8000/mnc/api/merchant/transaction_history
```

- Get By Id

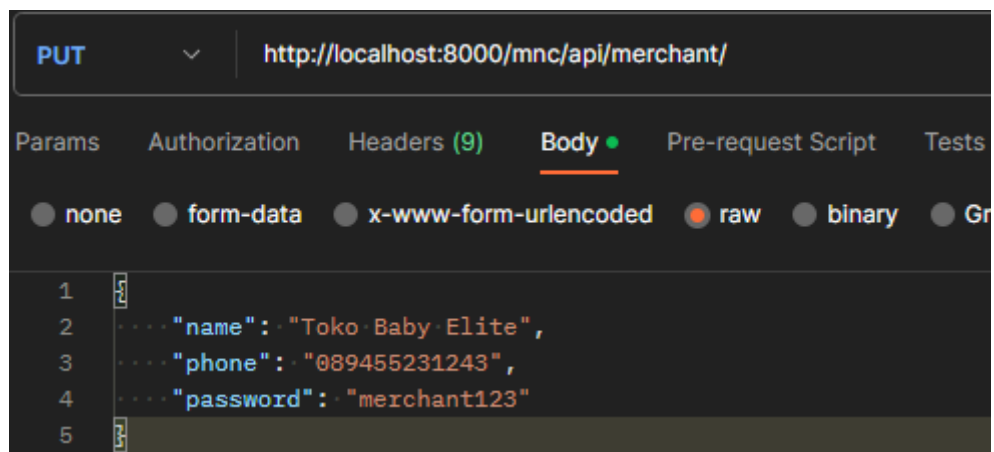
Untuk melihat profile merchant

```
GET http://localhost:8000/mnc/api/merchant/
```

Response Berhasil

```
"merchant": {
  "code": 200,
  "status": "OK",
  "message": "Data Merchant With ID 2RvHyuqettIrFwto6nYBfS33eK6",
  "data": {
    "id": "2RvHyuqettIrFwto6nYBfS33eK6",
    "name": "Toko Makanan Enak",
    "phone": "089966554322"
  }
}
```

- Edit  
Untuk melakukan edit profile merchant



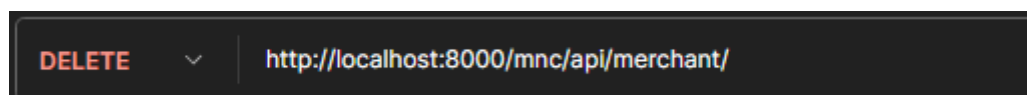
Response Berhasil:

```
"merchant": {
  "code": 201,
  "status": "CREATED",
  "message": "Update Merchant Has Successfully",
  "data": {
    "id": "2RvHyuqettIrFwto6nYBfS33eK6",
    "name": "Toko Baby Elite",
    "phone": "089455231243"
  }
}
```

Catatan:

Pastikan untuk “phone” dirubah juga, karena apabila tidak dirubah, aplikasi akan error

- Delete



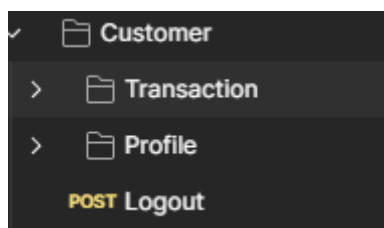


Response Berhasil

```
{
  "merchant": {
    "code": 200,
    "status": "OK",
    "message": "Delete Account Merchant with ID 2RvHuyuqettIrFwto6nYBfS33eK6",
    "data": {
      "id": "2RvHuyuqettIrFwto6nYBfS33eK6",
      "name": "Toko Baby Elite",
      "phone": "089455231243"
    }
  }
}
```

## API Customer

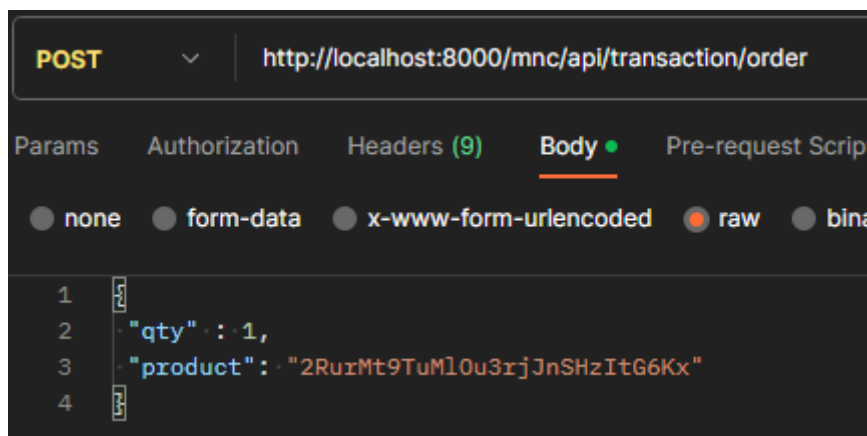
Terdapat dua (2) folder API yaitu transaction dan profile. API yang berada di folder customer hanya bisa di akses oleh customer dan harus login terlebih dahulu sebelum digunakan



### 1. Transaction

API untuk melakukan transaksi

- Order



Request Paramater:

1. “qty” (**Required**)  
Type: int8  
Description: jumlah atau berapa banyak product yang ini dibeli
2. “product” (**Required**)  
Type: ID product yang ingin dibeli

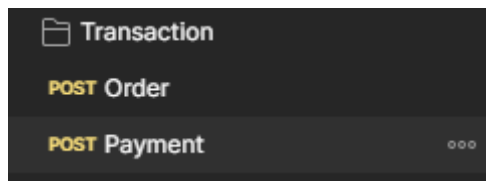
Response Berhasil:

```
invoice": {
  "code": 281,
  "status": "CREATED",
  "message": "Create Invoice Successfully",
  "data": {
    "id": "2RvYe89tKiavA80IWnyshavDW02",
    "qty": 3,
    "product": {
      "id": "2RvSr7t7HK8gdZ6isCW3fSBoXeZ",
      "name": "Coffe latte, Mochachino",
      "price": 45000,
      "description": "Minuman kopi, untuk kamu yang suka begadang",
      "merchant": {
        "id": "2RvHyuqettIrFwto6nVBfS33eK6",
        "name": "Toko Baby Elite",
        "phone": "089455231243"
      }
    },
    "customer": {
      "id": "2RvLAj1I7mFVK2GyhQ3IDIxe6PK",
      "name": "Vanneeza",
      "phone": "089554433221",
      "address": "Jln. Jalan Kemana"
    },
    "detail": {
      "id": "2RvYe8b9mgJxgtzem2CQX7E0D5S",
      "status": "Pending",
      "total_price": 135000,
      "bank": [
        {
          "id": "2RnzuNoWNhnjI6IA8xyM0hLOaBD",
          "name": "B3B",
          "bank_account": "PT. Vanneeza Corps",
          "branch": "Cisarua",
          "account_number": 435346342341
        }
      ]
    }
  }
},
```

```
{
  "id": "2RnzwLg154x02CCT0fQrGuil7Bn",
  "name": "BNI",
  "bank_account": "PT. Vanneeza Corps",
  "branch": "Cisarua",
  "account_number": 345342346545
},
{
  "id": "2RnzqEw3kKBWYNZSSnHZ1Lk426g",
  "name": "BRI",
  "bank_account": "PT. Vanneeza Corps",
  "branch": "Cisarua",
  "account_number": 111333345422
},
{
  "id": "2RnztFKp0P750mbb0D4Xx0sBbDP",
  "name": "Mandiri",
  "bank_account": "PT. Vanneeza Corps",
  "branch": "Cisarua",
  "account_number": 222343564435
},
{
  "id": "2RnzxaKv3So4WjHGf74JI7Zsczv",
  "name": "BCA",
  "bank_account": "PT. Vanneeza Corps",
  "branch": "Cisarua",
  "account_number": 763423213243
}
],
"photo": "NULL"
```

Setelah kita melakukan order, kita bisa langsung menuju API payment

- Payment  
Untuk melakukan pembayaran



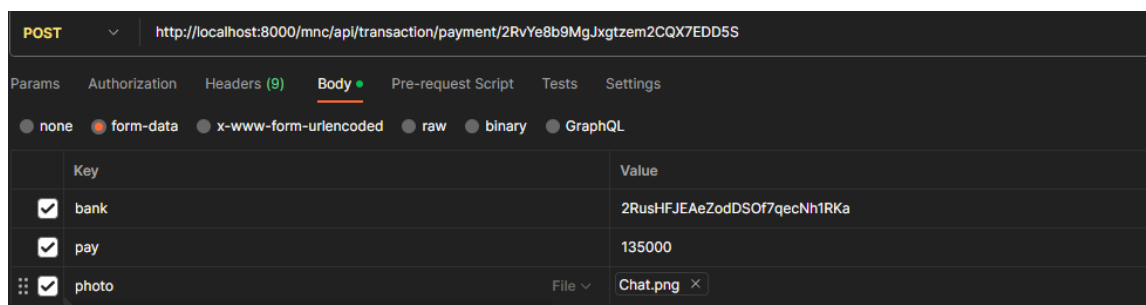
```

"detail": {
  "id": "2RvYe8b9MgJxgtzem2CQX7EDD5S",
  "status": "Pending",
  "total_price": 135000,
  "bank": [
    {
      "id": "2RnzuNowNHnjI5IA8xyM0hLOaBD",
      "name": "BJB",
      "bank_account": "PT. Vanneeza Corps",
      "branch": "Cisarua",
      "account_number": 435346342341
    }
  ]
}

```

Penjelasan :

- Merah  
ID Detail yang akan digunakan pada payment dan dimasukan pada url  
<http://localhost:8000/mnc/api/transaction/payment/2RvYe8b9MgJxgtzem2CQX7EDD5S>
- Hijau  
Total harga yang harus dibayar oleh customer
- Ungu  
ID bank yang akan digunakan pada payment dan dimasukan kepada form “bank”



Untuk payment harus menggunakan form

Request Paramater:

1. “bank” (**Required**)  
Type: string  
Description: bank yang akan digunakan untuk mentransfer uang,
2. “pay” (**Required**)  
Type: float64  
Description: nominal pembayaran
3. “photo” (**Required**)  
Type: string  
Description: bukti pembayaran

Catatan:

- Photo hanya bisa ber extension (png, jpeg, jpg)

Response Berhasil:

```
"payment": {
  "code": 201,
  "status": "CREATED",
  "message": "the payment was done, waiting to confirmation!",
  "data": {
    "id": "2RverhqMizq1BZePmLfmnR2awx5",
    "order": {
      "product": {
        "id": "2RvSr7t7HK8gdZ6IsCW3fSBcXeZ",
        "name": "Coffe latte, Mochachino",
        "price": 45000,
        "description": "Minuman kopi, untuk kamu yang suka begadang",
        "merchant": {
          "id": "2RvHyuqettIrFwto6nYBfS33eK6",
          "name": "Toko Baby Elite",
          "phone": "089455231243"
        }
      }
    },
    "customer": {
      "id": "2RvLAj1I7mFVK2GyhQ3IDIXe6PK",
      "name": "Vanneeza",
      "phone": "089554433221",
      "address": "Jln. Jalan Kemana"
    }
  }
}
```

```

    "customer": {
      "id": "2RvLAjI7mFVK2GyhQ3IDIXe6PK",
      "name": "Vanneeza",
      "phone": "089554433221",
      "address": "Jln. Jalan Kemana"
    },
    "bank": {
      "id": "2RnzuNoWNHnjI5IA8xyM0hLOaBD",
      "name": "BJB",
      "bank_account": "PT. Vanneeza Corps",
      "branch": "Cisarua",
      "account_number": 435346342341
    }
  },
  "pay": 135000,
  "detail": {
    "total_price": 135000,
    "photo": "Chat.png"
  }
}

```

Response Gagal:

Apabila parameter url salah

<http://localhost:8000/mnc/api/transaction/payment/linksalah>

```

"invoice": {
  "code": 400,
  "status": "BAD_REQUEST",
  "message": "order is not found",
  "data": "NULL"
}

```

Apabila value “bank” salah

<input checked="" type="checkbox"/> bank	IniSalah
--	----------

```

"invoice": {
  "code": 400,
  "status": "BAD_REQUEST",
  "message": "bank admin is not found",
  "data": "NULL"
}

```

Apabila value “pay” kurang dari total price

<input checked="" type="checkbox"/> pay	100
---	-----

```

"invoice": {
  "code": 400,
  "status": "BAD_REQUEST",
  "message": "the money is not enough",
  "data": "NULL"
}

```

Apabila extension value "Photo" salah

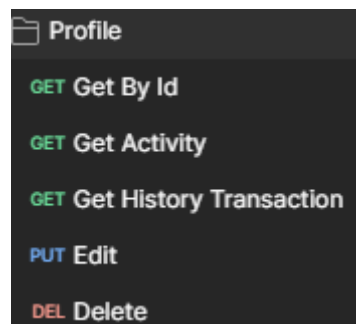
☒ photo
 db\_pancakai\_real ✕

```

"invoice": {
  "code": 400,
  "status": "BAD_REQUEST",
  "message": "Invalid file extension. Only PNG, JPG, and JPEG are allowed.",
  "data": "NULL"
}

```

## 2. Profile



### 1. Get By id

Untuk melihat profile dari customer

Response Berhasil:

```

"customer": {
  "code": 200,
  "status": "OK",
  "message": "Customer data by ID",
  "data": {
    "id": "2RvLAj1I7mFVK2GyhQ3IDIXe6PK",
    "name": "Vanneeza",
    "phone": "089554433221",
    "address": "Jln. Jalan Kemana"
  }
}

```

## 2. Get Activity

Untuk Melihat aktivitas dari customer di system ini

```
"customer": {
  "code": 200,
  "status": "OK",
  "message": "View history activity with ID customer: 2RvLAj1I7mFVK2GyhQ3IDIXe6PK",
  "data": [
    {
      "activity": "Create",
      "description": "Vanneeza has create new account customer ",
      "created_at": "2023-06-30T21:43:45.4195004+07:00"
    },
    {
      "activity": "Get",
      "description": "Vanneeza has view the profile",
      "created_at": "2023-06-30T21:43:45.4195004+07:00"
    },
    {
      "activity": "Login",
      "description": "Vanneeza Has Login",
      "created_at": "2023-06-30T21:43:45.4195004+07:00"
    }
  ]
}
```

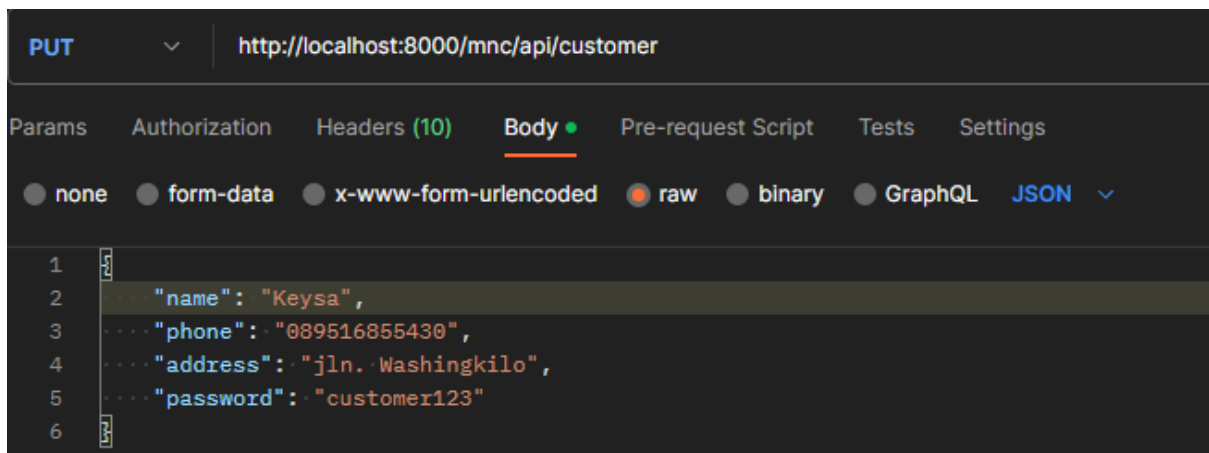
## 3. Get History Transaction

Untuk melihat riwayat transaksi dan status dari order yang dilakukan

```
"transaction_history": {
  "code": 200,
  "status": "OK",
  "message": "List of all transaction history",
  "data": [
    {
      "detail": {
        "id": "2RvYe8b9MgJxgtzem2CQX7EDD5S",
        "status": "Done",
        "total_price": 135000,
        "photo": "Chat.png"
      },
      "product": {
        "id": "2RvSr7t7HK8gdZ6IsCW3fSBcXeZ",
        "name": "Coffe latte, Mochachino",
        "price": 45000,
        "description": "Minuman kopi, untuk kamu yang suka begadang"
      },
      "merchant": {
        "id": "2RvHyuqettIrFwto6nYBfS33eK6",
        "name": "Toko Baby Elite",
        "phone": "089455231243"
      }
    }
  ]
}
```

#### 4. Edit

Untuk melakukan edit customer



Response Berhasil:

```
{  "customer": {    "code": 201,    "status": "CREATED",    "message": "Update Customer Has Successfully",    "data": {      "id": "2RvLAj1I7mFVK2GyhQ3IDIXe6PK",      "name": "Keysa",      "phone": "089516855430",      "address": "jln. Washingkilo"    }  }}
```

#### 5. Delete

Untuk menghapus akun customer

Response Berhasil:

```
{  "customer": {    "code": 200,    "status": "OK",    "message": "Delete account has successfully",    "data": {      "id": "2RvLAj1I7mFVK2GyhQ3IDIXe6PK",      "name": "Keysa",      "phone": "089516855430",      "address": "jln. Washingkilo"    }  }}
```

Terdapat juga folder log yang berisikan activity.log





## PENUTUP

Sebelumnya, saya ingin mengucapkan terima kasih telah mengizinkan saya untuk mengerjakan tugas ini, saya merasa masih banyak kekurangan dalam mengerjakan tugas ini. Seperti 'style code' yang kurang rapih, response yang kurang sesuai, validasi yang tidak lengkap dan saya tidak melakukan TDD.

Namun, dengan di izinkan nya saya untuk mengerjakan tugas kali ini. Membuat saya ingin belajar lebih dalam Bahasa pemrograman go dan *best practice* dalam membuat API. Khususnya, TDD. TDD sendiri merupakan hal yang baru bagi saya. Kedepannya. Saya akan lebih dalam belajar tentang TDD. Terimakasih

Chauzar Vanneeza