

# API Documentation:

**Running on port:** 8080

**Base URL:** localhost:8080

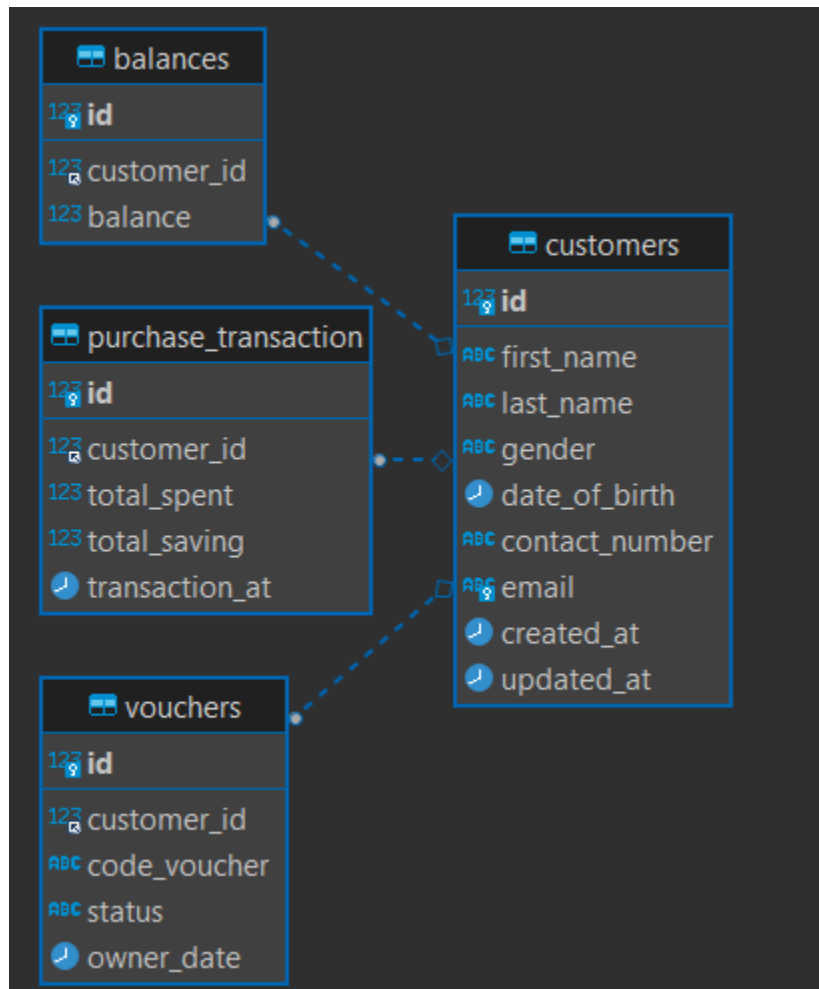
**List API:**

- 1. Customer eligible check:**
  - Endpoint: **/api/campaign/checking**
- 2. Validate photo submission:**
  - Endpoint: **/api/campaign/validate-profile**
- 3. API for create customer:**
  - Endpoint: **/api/customer/add**
- 4. API for create balance / topup:**
  - Endpoint: **/api/balance/topup**
- 5. API for create transaction:**
  - Endpoint: **/api/transaction/add**
- 6. API for create voucher:**
  - Endpoint: **/api/voucher/add**

**Usage steps:**

- 1. Hit query sql for generate Database**
- 2. Hit API for create customer**
- 3. Hit API for create balance (topup)**
- 4. Hit API for create transaction**
- 5. Hit API for create voucher**
- 6. Hit API for customer eligible check**
- 7. Hit API for validate photo submission**

## Design Database:



## Customer eligible check:

Endpoint: **/api/campaign/checking**

Method: **POST**

**Request Body:**

- **Data Body:**
  - o **Email:** string

```
{
  "email": "tes@user.com"
}
```

**Response:**

- **Success**
  - o **Response code:** 200

```
{
  "status": 200,
  "message": "You are entitled to a voucher!",
  "data": {
    "total_transaction": 5,
    "total_transaction_amount": "198.00",
    "duration": "2022-9-17 00:00:00 until 2022-10-17 23:59:59",
    "campaign_eligibility": true,
    "time_expired": "10/17/2022, 1:02:50 PM"
  }
}
```

- **Failed (Not found)**
  - o **Response code:** 404

```
{
  "status": 404,
  "message": "Customer not found.",
  "data": null
}
```

## Validate photo submission:

Endpoint: **/api/campaign/validate-profile**

Method: **POST**

**Request Body:**

- **Data Body:**
  - o **Email:** string
  - o **img\_profile:** boolean

```
{
  "email": "tes@user.com",
  "img_profile": true
}
```

**Response:**

- **Success**
  - o **Response code:** 200

```
{
  "status": 200,
  "message": "Yeah, you get a voucher!",
  "data": {
    "user_id": 1,
    "email": "tes@user.com",
    "campaign_eligibility": true,
    "code_voucher": "a-333",
    "status_voucher": "process",
    "is_expired": false
  }
}
```

- **invalid**
  - o **Response code:** 201

```
{
  "status": 201,
  "message": "Validation image profile not valid",
  "data": {
    "user_id": 1,
    "email": "tes@user.com",
    "campaign_eligibility": false
  }
}
```

## API for create customer:

Endpoint: **/api/customer/add**

Method: **POST**

**Request Body:**

- **Data Body:**
  - o **All parameter:** string

```
{
  "first_name": "Yoko",
  "last_name": "Hama",
  "gender": "Male",
  "date_of_birth": "1995-05-01",
  "contact_number": "08787878787",
  "email": "tes@user.com"
}
```

**Response:**

- **Success create user**
  - o **Response code:** 200

```
{
  "status": 200,
  "message": "Success created"
}
```

- **Failed**
  - o **Response code:** 500

```
{
  "status": 500,
  "message": "email must be unique"
}
```

## API for create balance / topup:

Endpoint: **/api/balance/topup**

Method: **POST**

**Request Body:**

- **Data Body:**
  - o **email:** string
  - o **topup:** integer

```
{  
  "email": "oke@oke.com",  
  "topup": 600  
}
```

**Response:**

- **Success create balance**
  - o **Response code:** 200

```
{  
  "status": 200,  
  "message": "Success created topup balance.",  
  "total_balance": 600  
}
```

- **Failed**
  - o **Response code:** 500

```
{  
  "status": 500,  
  "message": "Internal server error"  
}
```

## API for create transaction:

Endpoint: **/api/transaction/add**

Method: **POST**

**Request Body:**

- **Data Body:**
  - o **email:** string
  - o **total\_spent:** integer

```
{  
  "email": "tes@user.com",  
  "total_spent": 50  
}
```

**Response:**

- **Success create transaction**
  - o **Response code:** 200

```
{  
  "status": 200,  
  "message": "Success created transaction",  
  "data": {  
    "balance": 150  
  }  
}
```

- **Failed**
  - o **Response code:** 500

```
{  
  "status": 500,  
  "message": "Internal server error"  
}
```

## API for create vouchers:

Endpoint: **/api/voucher/add**

Method: **POST**

**Request Body:**

- **Data Body:**
  - o **add\_voucher:** integer

```
{  
  "add_voucher": 10  
}
```

**Response:**

- **Success create transaction**
  - o **Response code:** 200

```
{  
  "status": 200,  
  "message": "Success created transaction",  
  "data": {  
    "balance": 150  
  }  
}
```

- **Failed**
  - o **Response code:** 400

```
{  
  "status": 400,  
  "message": "Content can not be empty!"  
}
```

- **Failed**
  - o **Response code:** 500

```
{  
  "status": 500,  
  "message": "Internal server error"  
}
```



# Technology:

## Framework:

- Node JS for Backend

## Run Application:

- npm install
- npm run start

## ORM:

- Sequelize

## DB Manager:

- MySQL

## Packages:

- cors
- express
- mysql2
- sequelize
- nodemon