

API Documentation: POS Management API

Introduction:

This API allows you to manage a collection of users, customers, items orders, including operations for creating, retrieving, updating, and deleting.

Base URL:

- <http://localhost:8080/pos/>

Allowed Origins:

- <http://localhost:63342>
- <http://127.0.0.1:5500>

1) Customer Manage

❖ Get All

- Method: **GET**
- URL: <http://localhost:8080/pos/customer>
- Response: **List of customers (application/json)**

```
[
  {
    "id": "C001",
    "name": "Dilshan",
    "address": "Panadura",
    "salary": 120000
  }, //Other Customers...
]
```

❖ Save

- Method: **POST**
- URL: <http://localhost:8080/pos/customer>
- Request: **Customer Object (application/json)**

```
{
  "id": "C001",
  "name": "Dilshan",
  "address": "Panadura",
  "salary": 120000
}
```

- Response: **Text**
If Saved – **“saved”**
If Not Saved or Error – **“not saved”**

❖ Update

- Method: **PUT**
- URL: <http://localhost:8080/pos/customer>
- Request: **Customer Object** (application/json)

```
{
  "id": "C001",
  "name": "Dilshan",
  "address": "Panadura",
  "salary": 120000
}
```

- Response: **Text**
If Updated – “**updated**”
If Not Updated or Error – “**not updated**”

❖ Delete

- Method: **DELETE**
- URL: http://localhost:8080/pos/customer?cus_id=C001
- Request: **Customer ID**
- Response: **Text**
If Deleted – “**deleted**”
If Not Deleted or Error – “**not deleted**”

2) User Manage

❖ Verify User

- Method: **DELETE**
- URL: <http://localhost:8080/pos/user?username=dilshan&password=1234>
- Request: **User’s username & password**
- Response: **Text**
If Verified – “**verified**”
If Not Verified or Error – “**not verified**”

❖ Register

- Method: **POST**
- URL: <http://localhost:8080/pos/user>
- Request: **User Object** (application/json)

```
{
  "email": "dilshan@gmail.com",
  "username": "dilshan",
  "password": "1234"
}
```

- Response: **Text**
If Saved – “**saved**”
If Not Saved or Error – “**not saved**”

3) Item Manage

❖ Get All

- Method: **GET**
- URL: <http://localhost:8080/pos/item>
- Response: **List of Items (application/json)**

```
[
  {
    "code": "I001",
    "name": "Item 01",
    "price": 200,
    "qty": 56
  }, //Other Items...
]
```

❖ Save

- Method: **POST**
- URL: <http://localhost:8080/pos/item>
- Request: **Item Object (application/json)**

```
{
  "code": "I001",
  "name": "Item 01",
  "price": 200,
  "qty": 56
}
```

- Response: **Text**
If Saved – “**saved**”
If Not Saved or Error – “**not saved**”

❖ Update

- Method: **PUT**
- URL: <http://localhost:8080/pos/item>
- Request: **Item Object (application/json)**

```
{
  "code": "I001",
  "name": "Item 01",
  "price": 200,
  "qty": 56
}
```

- Response: **Text**
If Updated – “**updated**”
If Not Updated or Error – “**not updated**”

❖ Delete

- Method: **DELETE**
- URL: http://localhost:8080/pos/item?item_code=I001
- Request: **Item ID**
- Response: **Text**
If Deleted – “**deleted**”
If Not Deleted or Error – “**not deleted**”

4) Order Manage

❖ Get All

- Method: **GET**
- URL: <http://localhost:8080/pos/order>
- Response: **List of Orders with their Item List and Customer ID (application/json)**

```
[
  {
    "id": "OD001",
    "date": "2024-01-12T08:30:00Z",
    "cusId": "C001",
    "items": [
      {
        "itemId": "I002",
        "itemName": "Product A",
        "quantity": 2,
        "price": 50
      },
      {
        "itemId": "I005",
        "itemName": "Product B",
        "quantity": 1,
        "price": 70
      }
    ],
    "discount": 5.00,
    "total": 170.00
  }, //Other Orders...
]
```

❖ Save

- Method: **POST**
- URL: <http://localhost:8080/pos/order>
- Request: **Order Object with ordered Items and Customer ID (application/json)**

```
{
  "id": "OD001",
  "date": "2024-01-12T08:30:00Z",
  "cusId": "C001",
  "items": [
    {
      "itemId": "I002",
      "itemName": "Product A",
      "quantity": 2,
      "price": 50
    },
    {
      "itemId": "I005",
      "itemName": "Product B",
      "quantity": 1,
      "price": 70
    }
  ],
  "discount": 5.00,
  "total": 170.00
}
```

- Response: **Text**
If Saved – **“saved”**
If Not Saved or Error – **“not saved”**