**REWARD POINTS PROGRAM**

**SWAGGER URL -** http://localhost:8080/swagger-ui/index.html#/

**CUSTOMER API:**

1. **REGISTRATION URL** – http://localhost:8080/customer/register

Endpoint*:* /customer/register

Method: POST

Description: To create new customer.

Sample Request:

{

    "customerName": "Arun",

    "email": "arun@gmail.com",

    "phone": "6789678900",

    "password": "arun@123"

}

Response**:**

Success**:**

Registered Successfully!

Error:

{

    "message": "Email Already Exists"

}

1. **LOGIN URL** – http://localhost:8080/customer/login

Endpoint*:* /customer/login

Method: POST

Description: To verify customer details and authenticate using token

Sample Request:

{

    "email": "String",

    "password": "String"

}

Response**:**

Success**:**

“String”

Error:

{

    "message": "Invalid Credentials"

}

**TRANSACTION API:**

1. **ADD TRANSACTION URL** – http://localhost:8080/customer/add/transaction?transactionId={id}  
   Endpoint*:* /customer/ add/transaction?transactionId={id}

Method: PUT

Description: To add an new transaction to a customer

Sample Request:

{

     "customerId": 4,

     "spentDetails": "String",

     "amount": 190

}

Response**:**

Success**:**

Successfully Created.

Error:

Invalid JWT token.

1. **GET TRANSACTION URL** – http://localhost:8080/customer/get/transaction?transactionId={Id}

Endpoint*:* /customer/ get/ transaction?transactionId={Id}

Method: GET

Description: To retrieve transaction associated to the customer

Response**:**

Success**:**

{

    "transactionId": 6,

    "customerId": 1,

    "spentDetails": "Kurta",

    "amount": 180.0,

    "transactionDate": "2023-06-30"

}

Error:

{

    "message": "TransactionId not found"

}

1. **UPDATE TRANSACTION URL** – http://localhost:8080/customer/update/transaction?transactionId={Id}

Endpoint*:* /customer/ update/ transaction?transactionId={Id}

Method: PUT

Description: To Update transaction details.

Sample Request:

{

    "customerId" : 4,

    "spentDetails" : "Charger",

    "amount" : 200

}

Response**:**

Success**:**

Successfully Updated

Error:

{

    "message": "TransactionId not found"

}

1. **DELETE TRANSACTION URL** – http://localhost:8080/customer/delete/transaction?transactionId={Id}

Endpoint*:* /customer/ delete/ transaction?transactionId={Id}

Method: DELETE

Description: To Remove the transaction for the specific transaction id.

Response**:**

Success**:**

Successfully Deleted

Error:

{

    "message": "TransactionId not found"

}

**REWARD POINTS API:**

1. **GET 3-MONTH REWARD POINTS URL** – http://localhost:8080/rewards/points?customerId={cId}

Endpoint*:* rewards/points?customerId={cId}

Method: GET

Description: Retrieve reward points for a 3-month period.

Response**:**

Success**:**

{

    "status": "success",

    "rewardPoints": {

        "DECEMBER 2024": 800,

        "NOVEMBER 2024": 70,

        "JANUARY 2025": 290

    },

    "totalPoints": 1160

}

Error:

{

    "message": "No Data Found"

}

1. **GET ALL-MONTH REWARD POINTS URL** – http://localhost:8080/rewards/all-points?customerId={cId}

Endpoint*:* rewards/all-points?customerId={cId}

Method: GET

Description: Retrieve all month reward points for a customer.

Response**:**

Success**:**

{

    "status": "success",

    "rewardPoints": {

        "AUGUST 2024": 150,

        "DECEMBER 2024": 800,

        "JUNE 2023": 210,

        "NOVEMBER 2024": 70,

        "JANUARY 2025": 290

    },

    "totalPoints": 1520

}

Error:

{

    "message": "No Data Found"

}