Retailer rewards Charter

The DB used is MySQL.
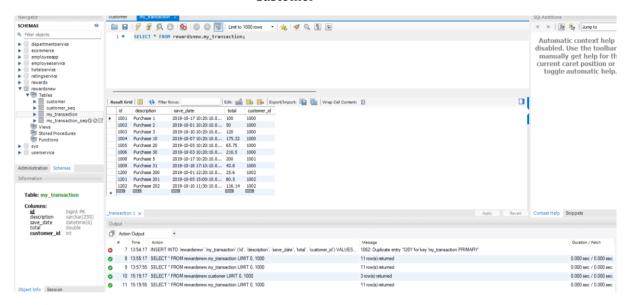
In MYSQL two tables are created :

Customer

MyTransaction

The table with sample data is as follows:

MyTransaction

Sample data:

Customers:

1000 Marco

1001 Luis

1002 Selene

MyTransaction:

1001 Purchase 1 100 2019-10-17 10:20:10 1000

1002 Purchase 2 50 2019-10-01 10:20:10 1000

1003 Purchase 3 120 2019-10-10 10:20:10 1000

1004 Purchase 10 175.32 2019-10-07 10:20:10 1000

1005 Purchase 20 65.75 2019-10-05 10:20:10 1000

1006 Purchase 30 210.50 2019-10-03 10:20:10 1000
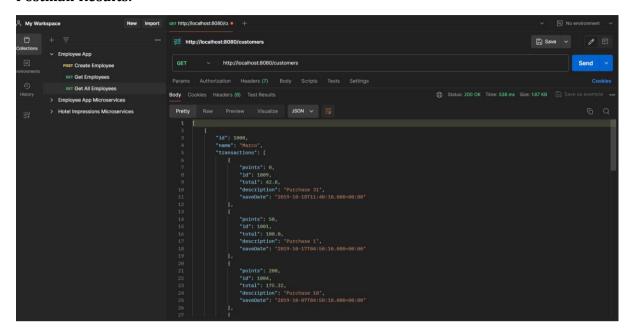
1009 Purchase 31 42.80 2019-10-18 17:10:10 1000

1200 Purchase 200 25.60 2019-10-01 12:20:10 1002

1201 Purchase 201 80.50 2019-10-05 15:00:10 1002

1202 Purchase 202 116.14 2019-10-10 11:30:10 1002

1008 Purchase 5 200 2019-10-17 10:20:10 1001

Postman Results:

JSON Results:

Request:

http://localhost:8080/customers

Response:

```json
[
  {
    "id": 1000,
    "name": "Marco",
    "transactions": [
      {
        "points": 0,
        "id": 1009,
        "total": 42.8,
        "description": "Purchase 31",
        "saveDate": "2019-10-18T11:40:10.000+00:00"
      },
      {
```

    "points": 50,
    "id": 1001,
    "total": 100.0,
    "description": "Purchase 1",
    "saveDate": "2019-10-17T04:50:10.000+00:00"
  },
  {
    "points": 200,
    "id": 1004,
    "total": 175.32,
    "description": "Purchase 10",
    "saveDate": "2019-10-07T04:50:10.000+00:00"
  },
  {
    "points": 90,
    "id": 1003,
    "total": 120.0,
    "description": "Purchase 3",
    "saveDate": "2019-10-10T04:50:10.000+00:00"
  },
  {
    "points": 270,
    "id": 1006,
    "total": 210.5,
    "description": "Purchase 30",
    "saveDate": "2019-10-03T04:50:10.000+00:00"
  },
  {
    "points": 0,
    "id": 1002,
    "total": 50.0,
    "description": "Purchase 2",
    "saveDate": "2019-10-01T04:50:10.000+00:00"
  },

```
      {
        "points": 15,
        "id": 1005,
        "total": 65.75,
        "description": "Purchase 20",
        "saveDate": "2019-10-05T04:50:10.000+00:00"
      }
    ],
    "rewardPoints": 625,
    "totalPurchases": 764.37
  },
  {
    "id": 1001,
    "name": "Luis",
    "transactions": [
      {
        "points": 250,
        "id": 1008,
        "total": 200.0,
        "description": "Purchase 5",
        "saveDate": "2019-10-17T04:50:10.000+00:00"
      }
    ],
    "rewardPoints": 250,
    "totalPurchases": 200.0
  },
  {
    "id": 1002,
    "name": "Selene",
    "transactions": [
      {
        "points": 0,
        "id": 1200,
        "total": 25.6,
```

          "description": "Purchase 200",

          "saveDate": "2019-10-01T06:50:10.000+00:00"

        },

        {

          "points": 30,

          "id": 1201,

          "total": 80.5,

          "description": "Purchase 201",

          "saveDate": "2019-10-05T09:30:10.000+00:00"

        },

        {

          "points": 82,

          "id": 1202,

          "total": 116.14,

          "description": "Purchase 202",

          "saveDate": "2019-10-10T06:00:10.000+00:00"

        }

      ],

      "rewardPoints": 112,

      "totalPurchases": 222.24

    }

]