**Rewards System API Documentation**

## 1. Overview

This API provides a set of endpoints for managing customer data and tracking purchases. It allows developers to add, retrieve, update, and delete customer information, as well as add purchases and retrieve total points earned by customers.

## 2.Base User

http://<your-server-address>/api/rewards

forExample local System http://localhost:8080/api/rewards

## 3. EndPoint

Get the recipes that were deleted from the web interface, so that they can be deleted from the internal database also.

### Add Purchase

| **Method** | **URL** |
| --- | --- |
| **POST** | http://<your-server-address>/api/rewards  /purchases |

| **Type** | **Params** | **Values** |
| --- | --- | --- |
| HEAD  POST | customer\_id  amount | number  number |

## Response

| **Status** | **Response** |
| --- | --- |
| 200 | Purchase added successfully. |
| 400 | Invalid purchase data. |
| 500 | Failed to add purchase. |

### 

### Get Total Points

### 

| **Method** | **URL** |
| --- | --- |
| **Get** | http://<your-server-address>/api/rewards  /points?customerId=2 |

## 

| **Status** | **Response** |
| --- | --- |
| 200 | total\_points |
| 400 | Invalid. |
| 500 | Failed. |

### Add Customer

### 

| **Method** | **URL** |
| --- | --- |
| **Post** | http://<your-server-address>/api/rewards  /customers |

| **Type** | **Params** | **Values** |
| --- | --- | --- |
| HEAD  HEAD | name  email | name  emailId |

## 

| **Status** | **Response** |
| --- | --- |
| 200 | Customer added successfully |
| 400 | Invalid |
| 500 | Failed . |

## 

## 

## 

### Get Customer by ID

## Request

| **Method** | **URL** |
| --- | --- |
| **GET** | http://<your-server-address>/api/rewards/<customer\_id> |

## 

| **Status** | **Response** |
| --- | --- |
| 200 | [{"name": <name>, "email": <email>, "points": <points>}] |

### Get Customer by ID

## Request

| **Method** | **URL** |
| --- | --- |
| **PUT** | http://<your-server-address>/api/rewards/customer/<customer\_id> |

## 

| **Status** | **Response** |
| --- | --- |
| 200 | Customer updated successfully |
| 400 | Invalid |
| 500 | Failed . |

### Delete Customer

## Request

| **Method** | **URL** |
| --- | --- |
| Delete | http://<your-server-address>/api/rewards/customer/<customer\_id> |

## 

| **Status** | **Response** |
| --- | --- |
| 200 | Customer deleted successfully |

Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

| **Status Code** | **Description** |
| --- | --- |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |