PurchaseRefund API Documentation

Base url: http:/localhost:8080/

# Customer operations

**GET: api/customers**

Returns a list of all customers in the system.

Response: see table “Customer Datatype”

**GET: api/customers/{customerId}**

Returns the customer that has id equal to the parameter “customerId”

Response: see table “Customer datatype”

**GET: api/customers/{phoneNumber}/search-phone-number**

Returns the customer that has phone number equal to parameter “phoneNumber”

Response: see table “Customer datatype”

**POST: api/customers/**

Creates a new customer

Request JSON object

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Datatype** | **Constraints** | **Description** |
| Name | String | * Required * Not blank | The name of the customer |
| phoneNumber | String | * Required * <= to 20 letters | The phone number of the customer |
| phoneCredit | Double | * Required | The amont of credit on the phone |

Response: Retuns id of the customer

# Purchase operations

**GET: api/purchases**

Returns a list of all purchases in the system.

Response: see table “Purchase datatype”

**POST: api/purchases/{customerId}/purchase**

Creates a new purchase in the system

Request JSON object

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Datatype** | **Constraints** | **Description** |
| itemDescription | String |  | The description of the item purchased |
| amount | Double | * Required | The amount of the item |
| currency | String | * Required * 3 characters | The ISO code of the currency |

Response: Returns the id of the purchase

Refund operations

**GET: api/refunds**

Returns a list of all refunds in the system.

Response: see table “Refund datatype”

**GET: api/refunds/{customerId}/customer-refunds**

Returns a list of all refunds made to a customer.

Response: see table “Refund datatype”

**POST: api/refunds/{customerId}/refund**

Makes a refund to the given customer

Request JSON object

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Datatype** | **Constraints** | **Description** |
| description | String |  | The description of the refund |
| amount | double | * Required | The amount to refund |
| currency | String | * Required * 3 characters | The ISO code of the currency |

Response: Returns the id of the refund

# Customer datatype

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| id | integer | Unique id of the customer |
| name | string | The name of the customer |
| phoneNumber | string | Phone number of the customer |
| phoneCredit | double | The amount of credit on the phone |
| createdAt | timestamp | Timestamp of when the customer was created |
| updatedAt | timestamp | Timestamp of when the customer was last updated |

# Purchase datatype

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Id | integer | Unique id of the purchase |
| itemDescription | string | The description of the item purchased |
| amount | double | The amount of purchase |
| currency | string | The currency used to purchase |
| createdAt | timestamp | Timestamp of when the purchase was made |
| updatedAt | timestamp | Timestamp of when the purchase was last updated |

# Refund datatype

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| id | integer | Unique id of the refund |
| description | string | The description refund |
| amount | double | The amount of to be refunded |
| currency | string | The currency the refund was made in |
| createdAt | timestamp | Timestamp of when the the refund was made |
| updatedAt | timestamp | Timestamp of when the refund was last updated |