Bank API Management System

1- Create New Bank Account

* URL: /new-account
* Method: POST

##### **Request Headers**

| **Header** | **Value** | **Description** |
| --- | --- | --- |
| Content-Type | application/json | The format of the request body should be JSON. |

##### **Request Body**

The request body should contain a JSON object representing the BankAccount to be created. The required fields are:

* customerId (string): The customer ID associated with the account.
* initialDeposit (Long): The initial deposit amount for the account.

##### **Response**

##### **Success Response**

* Status Code: 200 OK

If the bank account is successfully created, the API will respond with a JSON object containing the result. The response body will have the following format:

{

“success” : true,

“account “ : JSON

}

If the customer hasn’t registered yet, the response would be :

{

“Success” : false,

“errorMsg” : “customer hasn’t registered yet”

}

##### **Error Response**

* Status Code: 400 Bad Request

If there is an issue during the account creation process, the API will respond with a JSON object indicating the error. The response body will have the following format:

{

“success” : false,

“error” : “Error Message describing the issue “

}

2- Transfer Amount between accounts

* URL: /transfer
* Method: POST

##### **Request Headers**

| **Header** | **Value** | **Description** |
| --- | --- | --- |
| Content-Type | application/json | The format of the request body should be JSON. |

##### **Request Body**

The request body should contain a JSON object with the following parameters:

* senderAccountId (string): The ID of the sender's bank account.
* receiverAccountId (string): The ID of the receiver's bank account.
* amount (Long): The amount of money to be transferred.

##### **Success Response**

* Status Code: 200 OK

If the money transfer is successful, the API will respond with a JSON object containing the result. The response body will have the following format:

{

“success” : true,

“transactionHistory” : JSON

}

If the user don’t have enough balance in account

{

“success” : false,

“errorMsg” : “You do not have enough credit in account”

}

If there is some other issue like accounts are same

{

“success” : false,

“errorMsg” : “Transaction could not go through”

}

##### **Error Response**

* Status Code: 400 Bad Request

If there is an issue during the account creation process, the API will respond with a JSON object indicating the error. The response body will have the following format:

{

“success” : false,

“error” : “Error Message describing the issue “

}

3- Get Account Balance

* URL: /account/balance/{accountId}/{customerId}
* Method: GET

#### Request

##### **Path Parameters**

| **Parameter** | **Description** |
| --- | --- |
| accountId | The unique ID of the bank account to retrieve the balance for. |
| customerId | The unique ID of the customer associated with the bank account. |

#### Response

##### **Success Response**

* Status Code: 200 OK

If the retrieval of the account balance is successful, the API responds with a JSON object containing the result. The response body will have the following format:

{

“success” : true,

“balance” : Long

}

If account belongs to some other customer

{

“success” : false,

“errorMsg” : “This account belongs to someone else”

}

##### **Error Response**

* Status Code: 400 Bad Request

If there is an issue during the account creation process, the API will respond with a JSON object indicating the error. The response body will have the following format:

{

“success” : false,

“error” : “Error Message describing the issue “

}

4- Get Transactions History

* URL: /account/history/{accountId}
* Method: GET

#### Request

##### **Path Parameter**

| **Parameter** | **Description** |
| --- | --- |
| accountId | The unique ID of the bank account to retrieve the transaction history for. |

#### Response

##### **Success Response**

* Status Code: 200 OK

If the retrieval of the transaction history is successful, the API responds with a JSON object containing the result. The response body will have the following format:

{

“success” : true,

“history” : [ {} ]

}

##### **Error Response**

* Status Code: 400 Bad Request

If there is an issue during the account creation process, the API will respond with a JSON object indicating the error. The response body will have the following format:

{

“success” : false,

“error” : “Error Message describing the issue “

}