API guide for the banking application

1. Create new customer

Url : http://localhost:8083/customer/

Request Method: POST

Request Body:

{

"firstName": "Sangeetha",

"password": "sangeetha",

"lastName": "TS",

"gender": "FEMALE",

"age": 31,

"emailId": "testEmail",

"phoneNumber": "9845673211",

"userRole": "CUSTOMER",

"address": "Test house",

"state": "Kerala",

"country": "India"

}

Sample Response:

{

"id": "4028abfa77eddae80177ede3a5630000",

"createdTs": 1614603855181,

"modifiedTs": 1614603855181,

"status": "ACTIVE",

"customerId": "75228234",

"firstName": "Sangeetha",

"lastName": "TS",

"gender": "FEMALE",

"age": 31,

"emailId": "testEmail",

"phoneNumber": "9845673211",

"userRole": "CUSTOMER",

"address": "Test house",

"state": "Kerala",

"country": "India"

}

1. Login using the username(email id) and password

Url : http://localhost:8083/api/login

Request Method: POST

Request Body:

{

"username": "testEmail",

"password": "sangeetha"

}

Sample Response (Bearer token):

eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

1. Create an account(with minimum balance) for the customer using the bearer token

Url : http://localhost:8083/account

Request Method: POST

Request Body:

{

"accountType": "SAVINGS",

"branchId": "TestBranch",

"customer": {

"id": "4028abfa77eddae80177ede3a5630000"

}

}

Autorization : Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

Sample Response:

{

"id": "4028abfa77eddae80177edee8abe0001",

"createdTs": 1614604569277,

"modifiedTs": 1614604569628,

"status": "ACTIVE",

"accountNumber": "493747933957",

"typeSpecificId": "4028abfa77eddb3f0177edee8b730000",

"accountType": "SAVINGS",

"balanceAmount": 2000.0,

"branchId": "TestBranch",

"customer": {

"id": "4028abfa77eddae80177ede3a5630000",

"createdTs": 1614603855181,

"modifiedTs": 1614603855181,

"status": "ACTIVE",

"customerId": "75228234",

"password": "$2a$10$57TSu.T7PZ.IX.8wGEQbsegarAggBCY5/eevKrWy0VPaHAJ9ZvvEm",

"firstName": "Sangeetha",

"lastName": "TS",

"gender": "FEMALE",

"age": 31,

"emailId": "testEmail",

"phoneNumber": "9845673211",

"userRole": "CUSTOMER",

"address": "Test house",

"state": "Kerala",

"country": "India"

}

}

1. Gets the account details from account id

Url : http://localhost:8083/account/{accountId}

Request Method: GET

Autorization : Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

Sample Response:

{

"id": "4028abfa77eddae80177edee8abe0001",

"createdTs": 1614604569277,

"modifiedTs": 1614605716538,

"status": "ACTIVE",

"accountNumber": "493747933957",

"typeSpecificId": "4028abfa77eddb3f0177edee8b730000",

"accountType": "SAVINGS",

"balanceAmount": 2700.0,

"branchId": "TestBranch",

"customer": {

"id": "4028abfa77eddae80177ede3a5630000",

"createdTs": 1614603855181,

"modifiedTs": 1614603855181,

"status": "ACTIVE",

"customerId": "75228234",

"password": "$2a$10$57TSu.T7PZ.IX.8wGEQbsegarAggBCY5/eevKrWy0VPaHAJ9ZvvEm",

"firstName": "Sangeetha",

"lastName": "TS",

"gender": "FEMALE",

"age": 31,

"emailId": "testEmail",

"phoneNumber": "9845673211",

"userRole": "CUSTOMER",

"address": "Test house",

"state": "Kerala",

"country": "India"

}

}

1. Get the account details from account number

Url : http://localhost:8083/getAccount/{accountNumber}

Sample: <http://localhost:8083/getAccount/493747933957>

Request Method: GET

Autorization : Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

Sample Response:

{

"id": "4028abfa77eddae80177edee8abe0001",

"createdTs": 1614604569277,

"modifiedTs": 1614605716538,

"status": "ACTIVE",

"accountNumber": "493747933957",

"typeSpecificId": "4028abfa77eddb3f0177edee8b730000",

"accountType": "SAVINGS",

"balanceAmount": 2700.0,

"branchId": "TestBranch",

"customer": {

"id": "4028abfa77eddae80177ede3a5630000",

"createdTs": 1614603855181,

"modifiedTs": 1614603855181,

"status": "ACTIVE",

"customerId": "75228234",

"password": "$2a$10$57TSu.T7PZ.IX.8wGEQbsegarAggBCY5/eevKrWy0VPaHAJ9ZvvEm",

"firstName": "Sangeetha",

"lastName": "TS",

"gender": "FEMALE",

"age": 31,

"emailId": "testEmail",

"phoneNumber": "9845673211",

"userRole": "CUSTOMER",

"address": "Test house",

"state": "Kerala",

"country": "India"

}

}

1. Get the paginated account statement for the account

Url : http://localhost:8083/statements/{accountId}

Sample url : http://localhost:8083/statements/4028abfa77eddae80177edee8abe0001

Request Method: POST

Request Body:

{

"accountId": "4028abfa77eddae80177edee8abe0001",

"pageSize": 10,

"page": 0

}

Autorization : Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

Sample Response:

{

"account": {

"id": "4028abfa77eddae80177edee8abe0001",

"createdTs": 1614604569439,

"modifiedTs": 1614604569575,

"status": "ACTIVE",

"accountNumber": "493747933957",

"balanceAmount": 2000.0,

"branchId": "TestBranch",

"customerId": "4028abfa77eddae80177ede3a5630000"

},

"accountStatements": [

{

"id": "4028abfa77eddb3f0177edee8be70002",

"createdTs": 1614604569574,

"modifiedTs": 1614604569574,

"status": "ACTIVE",

"transactionType": "CREDIT",

"transactionMode": "ONLINE",

"transactionAmount": 2000.0,

"oldBalanceAmount": 0.0,

"newBalanceAmount": 2000.0,

"transaction": null,

"account": {

"id": "4028abfa77eddb3f0177edee8b730000",

"createdTs": 1614604569439,

"modifiedTs": 1614604569575,

"status": "ACTIVE",

"accountNumber": "493747933957",

"balanceAmount": 2000.0,

"branchId": "TestBranch",

"customerId": "4028abfa77eddae80177ede3a5630000"

}

}

],

"pageSize": 10,

"page": 0

}

1. Deposit 1000 rs to the account

Url : http://localhost:8083/transaction/{accountId}

Sample : http://localhost:8083/transaction/4028abfa77eddae80177edee8abe0001

Request Method: PUT

Request Body:

{

"transactionType": "CREDIT",

"comments": "First deposit",

"email": "testEmail",

"amount": "1000"

}

Autorization : Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

Sample Response:

{

"id": "4028abfa77eddb3f0177edee8b730000",

"createdTs": 1614604569439,

"modifiedTs": 1614605279902,

"status": "ACTIVE",

"accountNumber": "493747933957",

"balanceAmount": 3000.0,

"branchId": "TestBranch",

"customerId": "4028abfa77eddae80177ede3a5630000"

}

1. Debit 100 rs from the account

Url : http://localhost:8083/transaction/{accountId}

Sample : http://localhost:8083/transaction/4028abfa77eddae80177edee8abe0001

Request Method: PUT

Request Body:

{

"transactionType": "DEBIT",

"comments": "First deposit",

"email": "testEmail",

"amount": "100"

}

Autorization : Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

Sample Response:

{

"id": "4028abfa77eddb3f0177edee8b730000",

"createdTs": 1614604569439,

"modifiedTs": 1614605445381,

"status": "ACTIVE",

"accountNumber": "493747933957",

"balanceAmount": 2900.0,

"branchId": "TestBranch",

"customerId": "4028abfa77eddae80177ede3a5630000"

}

1. Transfer 200 from an account to another account

Url: http://localhost:8083/fundTransfer

Request Method: POST

Request Body:

{

"fundTransferType": "NEFT",

"comments": "First transfer",

"email": "testEmail",

"amount": "200",

"fromAccount": "493747933957",

"toAccount": "091874103670"

}

Autorization : Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0ZXN0RW1haWwiLCJpc3MiOiJRbnVRYmxRV244SDlnZ2l3ZkdiQ3hwUEEzZ2RZMW9BZSIsImV4cCI6MTYxNDYwNzg0MH0.3EbGTFFj1hODYUEF2eNsWLzmrBBz7F0bDkeKfEwR8aA

Sample Response:

{

"id": "4028abfa77eddb3f0177ee000c24000d",

"createdTs": 1614605716514,

"modifiedTs": 1614605716514,

"status": "ACTIVE",

"customerId": "4028abfa77eddae80177ede3a5630000",

"fundTransferType": "NEFT",

"comments": "First transfer",

"email": "testEmail",

"amount": 200.0,

"fromAccount": {

"id": "4028abfa77eddb3f0177edee8b730000",

"createdTs": 1614604569439,

"modifiedTs": 1614605716513,

"status": "ACTIVE",

"accountNumber": "493747933957",

"balanceAmount": 2700.0,

"branchId": "TestBranch",

"customerId": "4028abfa77eddae80177ede3a5630000"

},

"toAccount": {

"id": "4028abfa77eddb3f0177edfe3aa10007",

"createdTs": 1614605597345,

"modifiedTs": 1614605716513,

"status": "ACTIVE",

"accountNumber": "091874103670",

"balanceAmount": 2200.0,

"branchId": "TestBranch",

"customerId": "4028abfa77eddae80177edfdd8040002"

},

"transaction": {

"id": "4028abfa77eddb3f0177ee000c20000a",

"createdTs": 1614605716512,

"modifiedTs": 1614605716514,

"status": "ACTIVE",

"customerId": "4028abfa77eddae80177ede3a5630000",

"transactionStatus": "SUCCESS",

"failureReason": null,

"comments": "First transfer",

"email": null,

"amount": 200.0,

"accountTransactions": null,

"account": {

"id": "4028abfa77eddb3f0177edee8b730000",

"createdTs": 1614604569439,

"modifiedTs": 1614605716513,

"status": "ACTIVE",

"accountNumber": "493747933957",

"balanceAmount": 2700.0,

"branchId": "TestBranch",

"customerId": "4028abfa77eddae80177ede3a5630000"

}

},

"toBeneficiary": null

}