**API Specification**

**Authentication**  
Retrieve the JWT token for ***15 minutes*** use for authorization on protected resources  
  
Method: **POST**  
Path: /auth  
Body(Json)

|  |  |  |
| --- | --- | --- |
| **Field** | **Spec** | **Example** |
| username | Required, 24 chars in max | lokem |
| password | Required |  |
|  |  |  |

**Sample invokation**curl -X 'POST' '://{host}/auth' -H 'accept: \*/\*' -H 'Content-Type: application/json' -d '{  
 "username": "lokem",  
 "password": "\*\*\*"  
}'  
**Sample output for API Auth bearer**  
*status:*200  
*responseBody:*  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZSI6Imxva2VtIiwiZXhwIjoxNzEwNzgzOTE4LCJpc3MiOiJhc3Nlc3NtZW50Lm1iYi5jb20iLCJhdWQiOiJhc3Nlc3NtZW50Lm1iYi5jb20ifQ.H-0\_P2TQgeyMCFTXhVI\_\_lQQ95a0kYhRNxnr9v9nlkc

**Search Transactions**  
Transaction search with pagination functionality  
  
Method: **GET**  
Path: /api/transactions  
Query String:

|  |  |  |
| --- | --- | --- |
| **Field** | **Spec** | **Example** |
| page | Optional, and default to 1 | 1,2,3 |
| limit | Optional and default to 10, Max to 1000 | 10, 20, 1000 |
| \*AccountNum(an) | Optional, string value to exact match Account Number | 8872838283 |
| \*CustomerId(ci) | Optional, string value to exact match Customer Id | 333 |
| \*Description(de) | Optional. string value to wildcard match (LIKE %[de]%), against the description field | TRANSFER, FUND, or ETC |

\* If multiple keys provided, the match result will be intersect

**Sample invokation**curl -X 'GET' '://{host}/api/transaction/search?page=1&limit=10&an=8872838283&ci=22&de=Tran' -H 'accept: \*/\*' -H 'Content-Type: application/json' -H 'Authorization: Bearer \*\*\*'  
**Sample output**   
{

  "items": [

    {

      "id": 1,

      "accountNum": "8872838283",

      "customerId": "222",

      "amount": 123,

      "description": "FUND TRANSFER",

      "transactionOn": "2019-09-12T11:11:11",

      "lastModifyTime": "2024-03-19T02:00:16.8"

    },

   ...

  "count": 11

}

**Get Transaction**  
Retrieve details of one Transaction  
  
Method: **GET**  
Path: /api/transactions/:id  
Parameters:

|  |  |  |
| --- | --- | --- |
| **Field** | **Spec** | **Example** |
| id | TransactionId that can retrieve from *Search Transactions*, for the use of update/deletion | 1,2,3 |

**Patch Transaction(description)**  
Update transaction’s description  
  
Method: **PATCH**  
Path: /api/transactions/:id  
Parameters:

|  |  |  |
| --- | --- | --- |
| **Field** | **Spec** | **Example** |
| id | TransactionId that can retrieve from *Search Transactions*, for the use of update/deletion | 1,2,3 |

Body(Json)

|  |  |  |
| --- | --- | --- |
| **Field** | **Spec** | **Example** |
| description | Required, 100 chars in max | TRANSFER (FIX),… |
|  |  |  |

**Sample Invokation:**  
curl -X 'POST' 'http://{host}/api/transaction/42' -H 'accept: \*/\*' -H 'Content-Type: application/json' -H 'Authorization: Bearer \*\*\*' -d '{

"description": "FIX.2"

}'

**Sample output:**

Status: 202