**Requirements Document**

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| **Status** | **Draft** |
| **Version** | **1** |
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| **Date Created** | **9/20/2018** |
| **Date Last Revised** |  |

**Overview**

Create an API to get account transactions in pdf format Reference Table

**Reference Table**

Transaction, DespositTransaction, InvestmentTransaction, LocTransaction, LoanTransaction

**Request Field**

POST /account/transactions

Accept: application/json

Authorization: Bearer w0mcJylzCn-AfvuGdqkty2-KP48=

Content-Type: application/x-www-form-urlencoded

http:localhost:8008/api/v1/account/transactions

{

“accountId”: “1357902468”,

“startTime”: 2015-01-01Z,

“endTime”: 2015-02-01Z

}

**Response**

HTTP/1.1 200 OK

Content-Type: application/pdf; charset=utf-8

"DepositTransaction":

{

"AccountId": "1357902468",

"TransactionId": "111222333444555",

"TransactionTimestamp": "2015-02-01Z",

"Description": "Transfer",

"Status": "POSTED",

"Amount": 500.00,

"TransactionType": "TRANSFER",

"Payee": "3216540987"

}

**HTTP Response Code**

**200 OK:** Standard response for successful HTTP requests.

**400 Bad Request:** Invalid start or end date

**401 Unauthorized:**  Source account not authorized for transfer

[**404 Not Found**](https://en.wikipedia.org/wiki/HTTP_404)**:** Account Not found.

**500 Internal Server Error:** The request was not completed. The server met an unexpected condition

**Security**

We will implement spring security to authenticate the end users

**Table Relationship**

**AccountDescriptor Entity**

AccountDescriptorId 🡪 PK

**Account Entity**

AccountMasterId 🡪 PK

AccDescriptorId (AccountDescriptor Entity) 🡪 FK

**Transaction Entity**

TransactionID 🡪 PK

AccountId 🡪 FK

**DepositTransaction Entity:**

DepositTransactionId 🡪 PK

TransactionId 🡪 FK

**LoanTransaction Entity**

LoanTransactinId 🡪 PK

TransactionId 🡪 FK

**InvestmentTransaction Entity**

InvestmentTransactionId 🡪 PK

TransactionId 🡪 FK

**LocTransaction Entity**

LocTransactionId 🡪 PK

TransactionId 🡪 FK