**DDA\_Story fetching Statement of Account**

Create an api to get an account statement

Request:

**POST /account/statement**

Accept: **application/json**

Authorization: Bearer w0mcJylzCn-AfvuGdqkty2-KP48=

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

**accountId** =1357902468&**statementId**=ST875376081768363584636

Response

HTTP/1.1 200 OK

Content-Type: **application/pdf**

Binary data

Response

**An image of an account statement**

**Task**

1. Requirement Analysis – Identify the Request and Response data

2. Create Raml to get an Account statement

3. Create Spring boot App to get Account statement

a. Retrieve Data from DB table

b. Push Data to the Queue before exposing Data through API

c. Retrieve data from soap endpoint and expose as Rest API

4.Handle exceptions, logging and other Non Functional Requirements(Security) as requested

* Required Table

**AccountDescriptor**

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| AccountId | Identifier  *required* | Long-term persistent identity of the account. Not an account  number. This identity must be unique to the owning institution |
| DisplayName | string  *required* | Account identity to display to customer. This may be a masked  account number or product name followed by masked number |
| Status | AccountStatus  *required* | OPEN, CLOSED, PENDINGOPEN, PENDINGCLOSE, DELINQUENT,  PAID, NEGATIVECURRENTBALANCE. |

**Account**

|  |  |  |
| --- | --- | --- |
| Field | Type | Description |
| Currency | Currency  *required* | Currency Aggregate |
| AccountNumber | string  *required* | End user’s handle for account at owning institution |
| InterestRate | Number  *required* | Interest Rate of Account |

**DepositAccount**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| **BalanceAsOf** | Timestamp  *required* | As-of date of balances |
| **CurrentBalance** | Number  *required* | Balance of funds in account |

**LoanAccount**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| **BalanceAsOf** | Timestamp  *required* | As-of date for balances |
| **PrincipalBalance** | Number  *required* | Principal balance of loan |
| **OriginalPrincipal** | Number  *required* | Original principal of loan |
| **LoanTerm** | int  *required* | Term of loan in months |
| **TotalNumberOfPayments** | int  *required* | Total number of payments |
| **PaymentFrequency** | PaymentFrequency  *required* | DAILY, WEEKLY, BIWEEKLY, SEMIMONTHLY, MONTHLY,  SEMIANNUALLY, ANNUALLY |

**LocAccount**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| **BalanceAsOf** | Timestamp  *required* | As-of date of balances |
| **CreditLine** | Number  *required* | Credit limit |
| **AvailableCredit** | Number  *required* | Available credit |
| **NextPaymentAmount** | Number  *required* | Amount of next payment |
| **NextPaymentDate** | Timestamp  *required* | Due date of next payment |
| **PrincipalBalance** | Number  *required* | Principal balance |
| **CurrentBalance** | Number  *required* | Current balance LOC |

**InvestmentAccount**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| **BalanceAsOf** | Timestamp  *required* | As-of date for balances |
| **CurrentValue** | Number  *required* | Total current value of all investments |

**Statement**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| **AccountId** | Identifier  *required* | Corresponds to AccountId in Account entity |
| **StatementId** | Identifier  *required* | Long-term persistent identity of the statement |
| **StatementDate** | Timestamp  *required* | Date of the statement |
| **Description** | string | Description of statement |

**Error**

200 - Statement Access Successfully

404 – statementId or accoundId not Found