**Requirements Analysis Document**

**User Story**:

Create an api to get an investment loan information.

**Request:**

POST /investmentloan

Accept: application/json

loanId=1123

**Response:**

HTTP/1.1 200 OK

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

{

"InvestmentLoan" :{}

}

**Entities Required:**

1. AccountDescriptor
2. Account
3. InvestmentAccount
4. InvestmentLoan
5. Error

**Fields**:

**AccountDescriptor**

|  |  |
| --- | --- |
| **Field** | **Type** |
| AccountId | Identifier |
| DisplayName | string |
| Status | AccountStatus |

**Account**

|  |  |
| --- | --- |
| **Field** | **Type** |
| ParentAccountId | Identifier |
| Currency | Currency |
| AccountNumber | string |

**InvestmentAccount**

|  |  |
| --- | --- |
| **Field** | **Type** |
| BalanceAsOf | Timestamp |
| CurrentValue | Number |
| InvestmentLoans | Array of InvestmentLoan |

**InvestmentLoan**

|  |  |
| --- | --- |
| **Field** | **Type** |
| LoanId | string |
| LoanDescription | Description |
| InitialLoanBalance | Number |
| LoanStartDate | Timestamp |
| CurrentLoanBalance | Number |
| DateAsOf | Timestamp |
| LoanRate | Number |
| LoanPaymentAmount | Number |
| LoanPaymentFrequency | LoanPaymentFrequency |
| LoanPaymentInitial | Number |
| LoanPaymentsRemaining | int |
| LoanMaturityDate | Timestamp |
| LoanInterestToDate | Number |
| LoanTotalProjectedInterest | Number |
| LoanNextPaymentDate | Timestamp |

**Error**

|  |  |
| --- | --- |
| **Field** | **Type** |
| Code | string |
| Message | string |

**Dependencies**:

|  |  |
| --- | --- |
| **Account Descriptor** |  |
| AccountId(pk) | Identifier |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **Account** |  |
| ParentAccountId(pk) | Identifier |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **InvestmentAccount** |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **InvestmentLoan** | **Type** |
| LoanId(pk) | string |
|  |  |
|  |  |

**Errors which may cause:**

|  |  |
| --- | --- |
| **Error Message** | **HTTP Status Code** |
| Loan Id not found | 404 |
| Account Closed | 404 |
| Invalid Loan Id | 400 |
| Server Error | 500 |