**Requirements Analysis Document**

**User Story**:

Create an api to get an investment loan information.

**Request:**

/api/v1/dda/investments/loans/{loanId}

Http: GET

**Response:**

HTTP/1.1 200 OK

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

{

"accountId": "1001",

"displayName": "Investment Account",

"loanId": "101",

"loanDescription": "Loan on Property",

"initialLoanBalance": 50000,

"loanStartDate": "2016-08-18",

"currentLoanBalance": 50000,

"dateAsOf": "2018-08-18",

"loanRate": 3,

"loanPaymentAmount": 120000,

"loanPaymentFrequency": "MONTHLY",

"loanPaymentInitial": 21,

"loanPaymentsRemaining": 3,

"loanMaturityDate": "2019-08-18",

"loanInterestToDate": 7000,

"loanTotalProjectedInterest": 10000,

"loanNextPaymentDate": "2018-09-18"

}

**Errors which may cause:**

|  |  |
| --- | --- |
| **Error Message** | **HTTP Status Code** |
| Loan Id details Found | 200 |
| Loan Id Required | 400 |
| Unauthorized User | 401 |
| Loan Id not found | 404 |
| Method not allowed | 405 |
| Internal Server Error | 500 |

**Entities Required:**

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

**Fields**:

**AccountDescriptor**

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

**Account**

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

**InvestmentAccount**

|  |  |
| --- | --- |
| **Field** | **Type** |
| BalanceAsOf | Timestamp |
| CurrentValue | Number |

**InvestmentLoan**

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

**Error**

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