**REQUIREMENT ANALYSIS**

**USER STORY**

Create an API to get deposit account information approaching maturity date

Task:

1. Requirement Analysis – Identify the Request and Response data

2. Create Raml to get deposit account information approaching maturity date

3. Create Spring boot App to get deposit account information approaching maturity date

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

**REQUEST**

GET /depositaccount

Accept: application/json

currentDate= 2018-09-13

**RESPONSES**

HTTP/1.1 200 OK

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

[{

  "DepositAccount":

{

“AccountId”: “1001001009768”,

“AccountType”: “INSTALLMENT”,

“AccountNumber”: “234576542345”,

“Nickname”: “John”,

“Currency”: “INR”,

“InterestRate”: 9.50,

“DisplayName”: “Deposit Account”,

“BalanceAsOf”: 2018-09-13,

“CurrentBalance”: 1200.00,

“MaturityDate”: 2018-12-12,

‘Status”: “OPEN”

},

{

“AccountId”: “5601004509768”,

“AccountType”: “401A”,

“AccountNumber”: “1006476542345”,

“Nickname”: “Doe”,

“Currency”: “INR”,

“InterestRate”: 9.50,

“DisplayName”: “Deposit Account”,

“BalanceAsOf”: 2018-09-13,

“CurrentBalance”: 1200.00,

“MaturityDate”: 2018-12-12,

‘Status”: “OPEN”

}

}]

HTTP/1.1 400 Bad Request

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

{

  "Error":

{

“code”: 400,

“message”: “Invalid Request please check your URL and parameters”

}

}

HTTP/1.1 204 No Content

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

{

"String": “There is no deposit account which is getting  
matured in the next 15 days”

}

HTTP/1.1 500 Internal Server Error

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

{

  "Error":

{

“code”: 500,

“message”: “Internal Server Error”

}

}

**TABLES**

**AccountDescriptor**:

|  |  |  |
| --- | --- | --- |
| **FIELDS** | **TYPE** | **SIMPLE TYPE** |
| AccountId | Identifier | String (max 128) |
| AccountType | AccountType | String |
| DisplayName | String |  |
| Status | AccountStatus | String |
| Description | String |  |
| AccountDescriptorId (PK) | Integer |  |
| CustomerId | String |  |

**Account**:

|  |  |  |
| --- | --- | --- |
| **FIELDS** | **TYPE** | **SIMPLE TYPE** |
| AccountMasterId (PK) | Integer |  |
| ParentAccountId | Identifier | String (max 128) |
| Nickname | string |  |
| LineOfBusiness | string |  |
| AccountNumber | string |  |
| InterestRate | Number | Decimal |
| Currency | Currency | Currency Code |
| AccDescriptorId (FK - AccountDescriptor) | Integer |  |
| TransferIn | Boolean |  |
| TransferOut | Boolean |  |
| InterestRateType | InterestRateType | String |

**DepositAccount**:

|  |  |  |
| --- | --- | --- |
| **FIELDS** | **TYPE** | **SIMPLE TYPE** |
| RefAccountId (FK - Account) | Integer |  |
| BalanceAsOf | Timestamp |  |
| CurrentBalance | Number | Decimal |
| Term | Integer |  |
| AvailableBalance | Number | Decimal |
| DepositAccountId (PK) | Integer |  |
| MaturityDate | Timestamp |  |