**Analysis document (Story 19):**

1. Create an api to query all information for a set of accounts provided in the payload.

* ***Request :***

**Authorization:** Bearer w0mcJylzCn-AfvuGdqkty2-KP48=

**Request Formats (Content-Type):** application/json, application/xml

**Response Formats (Accept):** application/json, application/xml

* **Request format:**

*{*

*"AccountsDetailsRequest" : {*

*"singleAccountDetailsRequestList": {*

*"singleAccountDetailsRequest ": [ {*

*"accountId": "1",*

*"startTime": "2015-04-01T00:00:00.000Z"*

*},*

*"accountId": "2",*

*"startTime": "2015-05-01T00:00:00.000Z"*

*} ]*

*}*

*}*

*}*

* **Response:**

Response

HTTP/1.1 200 OK

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

{

"Accounts(Particular type)":  
 {

}

}

1. **Entity classes involves in the particular requirement:**

* AccountsDetailsRequest

|  |  |
| --- | --- |
| **Type** | **Field** |
| SingleAccountDetailsRequestList | SingleAccountDetailsRequestList |

* SingleAccountDetailsRequestList

|  |  |
| --- | --- |
| **Type** | **Field** |
| SingleAccountDetailsRequest<list> | SingleAccountDetailsRequest |

* SingleAccountDetailsRequest

|  |  |
| --- | --- |
| **Type** | **Field** |
| string | AccountId |
| Timestamp | StartTime |
| Timestamp | EndTime |
| Number | Page |
|  |  |

* AccountDescriptor

|  |  |
| --- | --- |
| **Type** | **Field** |
| long | AccountId |
| Accounttype | AccountType |

* Accounts Entity

|  |  |
| --- | --- |
| **Type** | **Field** |
| int | Total |
| int | Totalpages |
| int | Page |
| DepositAccount,  InvestmentAccount,  LoanAccount, or  LocAccount | Enum Account |

**Particular loan accounts table:**

* DepositAccount Entity

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

* InvestmentAccount Entity

|  |  |
| --- | --- |
| **Type** | **Field** |
| Number | CurrentLoanBalance |
| timestamp | DateAsOf |

* LoanAccount Entity

|  |  |
| --- | --- |
| **Type** | **Field** |
| Number | PrincipalBalance |
| timestamp | BalanceAsOf |

* LocAccount Entity

|  |  |
| --- | --- |
| **Type** | **Field** |
| Number | PrincipalBalance |
| Number | CurrentBalance |
| timestamp | BalanceAsOf |

1. **Possible Error Codes:**

* If Account is found with Id and response is success: set Error code 200.
* If Account not found with id: set Error code as 404 with message “account not found with id”
* Invalid start date with time for particular account: Error code is 400 with message “you have entered invalid Startdate”
* If request is not valid : error code 400 “Bad request”
* If server doesn’t respond : 500 Internal server Error

Task:

1. Requirement Analysis – Identify the Request and Response data

2. Create Raml to query all information for a set of accounts provided in the payload

3. Create Spring boot App to query all information for a set of accounts provided in the payload

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.Create Mulesoft App to query all information for a set of accounts provided in the payload.

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

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