# Requirement Analysis

**Create an api to get a lightweight list of accounts for the current token.**

Task:

1. Requirement Analysis – Identify the Request and Response data

2. Create Raml to get list of accounts

3. Create Spring boot App to get Account

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 Field**

Request

GET/accounts

Accept: application/json

Authorization: Bearer w0mcJylzCn-AfvuGdqkty2-KP48=

**Response Field**

HTTP/1.1 200 OK

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

{

   "AccountDescriptorList”:

[

{

“accountId”:”1001582789”

“accountType”:”Savings”

“displayName”:” Savings Account”

“status”: “Open”

“description”:”This is Savings Account”

},

{

“accountId”:”1001582789”

“accountType”:”Loan”

“displayName”:”Loan Account”

“status”: “Open”

“description”:”This is Loan Account”

}

]

}

**Error Scenarios**

400 : Bad Request

Response

HTTP/1.1 400 Created

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

{

  code : ” 400”

message : “ Invalid request ”

}

401 : Unauthorized

Response

HTTP/1.1 401 Created

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

{

  code : ” 401”

message : “Unauthorized request ”

}

404 : Not Found

Response

HTTP/1.1 404 Not Found

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

{

  code : ”404”

  message : “account not found”

}

500 : Internal Server Error

Response

HTTP/1.1 500 Internal Server Error

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

{

  code : ” 500”

  message : “The server encountered an unexpected condition which prevented it from fulfilling the request.”

}

**Tables**

**AccountDescriptor:**

|  |  |
| --- | --- |
| **Field** | **Type** |
| AccountId | identifier |
| Error | Error |
| AccountType | AccountType |
| DisplayName | string |
| Status | AccountStatus |
| Description | string |
| AccountDescriptorId | Integer |
| CustomerId | string |

**Account:**

|  |  |
| --- | --- |
| **Field** | **Type** |
| AccountMasterId | Integer |
| ParentAccountId | Identifier |
| Nickname | string |
| LineOfBusiness | string |
| AccountNumber | string |
| InterestRate | Number |
| Currency | Currency |
| AccDescriptorId | Integer |
| TransferIn | Boolean |
| TransferOut | Boolean |
| InterestRateType | InterestRateType |