**Requirement of user Stories**

* Create an API to get balance list for an investment account
* URL of API get investment account balance

Request: POST /investmentaccount

Accept: application/json

AccountId =1122332

Table: Account

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Filed type |
| Account Number | String | PK |
| Name of Account Holder | String |  |
| Currency of Account | Currency |  |

Table: AccountDescriptor

|  |  |  |
| --- | --- | --- |
| Column Name | Data type | Filed type |
| AccountId | Number | PK |
| Account type | String |  |

Table: InvestmentAccount

|  |  |  |
| --- | --- | --- |
| Column Name | Data type | Filed type |
| BalanceasOf | Timestamp |  |
| Contribution | String |  |
| AvailableCashBalance | Number |  |
| PercentageChange | Number |  |
| AccountID | Number | FK |

Table: InvestmentBalance

|  |  |  |
| --- | --- | --- |
| Column Name | Data type | Filed type |
| BalanceName | String |  |
| BalanceType | Number |  |
| Currency | Currency |  |
| BalanceDate | Timestamp |  |
| BalanceValue | Number |  |
| AccountID | Number | FK |

Response status either success or error

|  |  |  |
| --- | --- | --- |
| Error Codes (DB) | Error Message | HTTP Status Code |
| 601 | Customer not found | 404 |
| 602 | Customer not authorized | 401 |
| 701 | Account not found | 404 |
| 702 | Invalid start or end date | 400 |
| 703 | Invalid date range | 400 |
| 901 | Source account not found | 404 |
| 902 | Source account closed | 404 |
|  | Success OK | 200 |
|  | Created | 201 |

Input:

Request as JSON by Post Method

{

Account Number: 11223344

}

Output:

Response Data in JSON format

{

{ Account number,

Name of account holder

Currency

},

{

Account ID,

Account type

},

{

Balanceasof,

Contribution,

AvailableCashBalance,

PercentageChange,

},

{

BalanceName,

BalanceType,

Currency,

BalanceValue

}

}