**API Specification Doc**

**(*Api-Ammar App*)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 13-July-2019 | Calvin | Initial draft |

## 

## 

## 

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## 

Methods

## 1. [InsertNewLoan](#_1._InsertNewLoan)

Input new loan Application

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | localhost:31222/InsertNewLoan |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| BODY  JSON  JSON  JSON  JSON  JSON  JSON  JSON | date  ktp  birthdate  gender  name  ammount  period | String  String  String  String  String  String  String |

**Note**

Params must be insert into http request body with JSON type format

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| Valid | {  "status": "Valid",  "ktp": "3171085305930001",  "message": "Data Accepted"  } |
| InValid | {  "status": "Invalid",  "ktp": "3171085305930001",  "message": "Gender is not matching with ID"  } |
| InValid | {  "status": "Invalid",  "ktp": "3171085305930001",  "message": "Birthdate is not matching with ID"  } |
| InValid | {  "status": "Invalid",  "ktp": "3171085305930001",  "message": "ID Number Is Not Acceptable"  } |

## 2. [AverageLoan](#_2._AverageLoan)

Get the average of Loan Application for the last 7 days, including date selected

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | localhost:31222/AverageLoan |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| BODY  JSON | date | String |

**Note**

Params must be insert into http request body with JSON type format

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| IsValid | {  "Status": "IsValid",  "Message": "",  "Data": [  {  "count": 11,  "summary": 70060000,  "7-day avg": 6369091  }  ]  } |
| InValid | {  "Status": "Invalid",  "Message": "No data found",  "Data": null  } |

## 3. [Installment](#_3._Installment)

Get installment table return for loan apply when user requst.

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | localhost:31222/ Installment |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| BODY  JSON  JSON  JSON | date  ammount  period | String  String  String |

**Note**

Params must be insert into http request body with JSON type format

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| IsValid | **An array containing the loan’s**  {  "Status": "IsValid",  "Message": "Success",  "Data": [  {  "month": 1,  "duedate": "2019-07-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 2,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 3,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 4,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 5,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 6,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 7,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 8,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 9,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 10,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 11,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  },  {  "month": 12,  "duedate": "2019-08-13",  "capital": 833333,  "interest": 168000,  "total": 1001333  }  ],  "TotalCapital": 833333,  "TotalInterest": 2016000,  "GrandTotal": 12015996  } |
| InValid | {  "Status": "Invalid",  "Message": "Rate for input month not found",  "Data": null,  "TotalCapital": 0,  "TotalInterest": 0,  "GrandTotal": 0  } |

Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP custom code of response.
* All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
* All response are in JSON format.
* All request parameters are mandatory unless explicitly marked as [optional]

## Status Codes

The below ones are used in this API.

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| IsValid | OK |
| Invalid | Return with error |