Innovarge

kuickpay

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A Kuickpay BPS Rest Based Integration (Middleware) Solution

Version 3.0

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Date	Version	Authored By	Revision Section	Description
Sep 10 2022	1.0	Moiz Pasha	Initial Draft	
Feb 12 2024	2.0	Moiz Pasha	Updated	Top up and paid inquiry added.

2. Introduction

Document consists of following two transactions, which are implemented through web service.

1. Inquiry

2. Payment

Inquiry

This transaction is required to check the validity of the transaction. The Details of the function are as under:

Input Parameters

Parameter		Description	Mandatory/Optional	Data Type / Max. Length	Sample Data
username		To secure the Web Service access	M	String (AlphaNumeric) (20)	Kuickpaytest
Password		To secure the Web Service access	M	String (AlphaNumeric) (20)	Kuickpay@test12
consumerNumber		Kuickpay Inquiry number	M	String (Numeric) (18)	015209898740 Here 1st five digits (01520) denotes Kuickpay Prefix assigned by Kuickpay to Institution
bankMnemonic		Bank Mnemonic	M	String (AlphaNumeric) (8)	UBL
Reserved		Reserved field	O	String (AlphaNumeric) (200)	03000000000	abc@abc.com Contact number, email, etc. Separated with Pipe (|)

Note :

If *Kuickpay Charges are being passed on to the end consumer*, then these charges **must be added into your both amounts.**

Bill Inquiry

Request

URL: ./api/v1/BillInquiry

Method Type: POST

Headers:

Header["username"] = "Test"
Header["password"] = "@bcd"

Body:

```
{
        "consumer_number": "0000812345",
        "bank_mnemonic":"KPY",
        "reserved": "something, special, string, can, be, send, into, it."
}
```

For Success Case: Unpaid Voucher

```
{
        "response_Code": "00",
        "consumer_Detail" : "MUHAMMAD FEROZ",
         "bill_status": "U",
        "due_date": "20241014",
         "amount_within_dueDate": "+0000000186900",
        "amount_after_dueDate": "+0000000202500",
        "email_address": "example@gmail.com",
        "contact_number": "03030303030",
        "billing_month": "2410",
         "date_paid": "",
         "amount_paid": "",
         "tran_auth_Id": "",
        "reserved": "something, special, string, can, be, blank."
}
```

For Success Case: Paid Voucher

```
{
        "response_Code": "00",
        "consumer_Detail" : "MUHAMMAD FEROZ",
         "bill_status": "P",
        "due_date": "20240925",
         "amount_within_dueDate": "+0000000186900",
        "amount_after_dueDate": "+0000000202500",
        "email_address": "example@gmail.com",
        "contact_number": "03030303030",
        "billing_month": "2409",
         "date_paid": 20240910",
         "amount_paid": "000000202500",
         "tran_auth_Id": "202500",
        "reserved": "something, special, string, can, be, blank."
}
```

For Error Case:

Http Status: 400, 404, 500 etc

Return String in following format

Parameter	Description	Mandatory /Optional	Data Type / Max. Length
Response_Code	'00' in case of valid inquiry number that exists in the system/database and status is active '01' in case of invalid inquiry number that does not exists '02' in case of valid inquiry number that is currently blocked or dormant/inactive (i-e transactions are not allowed) '03' Unknown Error/Bad Transaction '04' Invalid Data '05' Processing Failed	M	String (Numeric) (2)
Consumer_Detail	This will contain the consumer name / title of voucher holder	M	String (AlphaNumeric) (30) Left justified right Padded with spaces
Bill_Status	'U' in case of unpaid voucher or voucher on which payment is allowed, 'P' in case of paid voucher on which further payment is not allowed 'B' in case of blocked Voucher 'T' For valid Top-up Voucher inquiry.	M	String(Alpha) (1)

Due_Date	DueDate will be provided in case of Vouchers	M	String (8) (yyyyMMdd)
Amount_Within_DueDate	Amount will be provided in case of Vouchers. If Kuickpay charges are to be passed on to the consumer, include the Kuickpay charges in the amount.	M	AN14 -Last 2digits minor units - Left padded with zeros e.g. Amount 120.00 Rs is formatted as +0000000012000 Amount-120.00Rs is formatted as -0000000012000
Amount_After_DueDate	Amount will be provided in case of Vouchers. If Kuickpay charges are to be passed on to the consumer, include the Kuickpay charge in the amount.	M	AN14 -Last2digits minor units - Left padded with zeros e.g. Amount 120.00 Rs is formatted as +0000000012000 Amount-120.00Rs is formatted as -0000000012000
email_address	This will contain the consumer email of voucher holder	M	String (AlphaNumeric) (30)

contact_number	This will contain the consumer contact numer of voucher holder	M	Numeric field that starts with either "92" or "03"
Billing_Month	Billing Month will be provided in case of Vouchers.	M	String (4) (yyMM)
Date_Paid	In case bill status is 'P' else white space should be sent according to specified length	O	String (8) (yyyyMMdd)
Amount_Paid	In case bill status is 'P' else white spaces should be sent according to the specified length	O	String (Numeric) (12) - Last 2 digits minor units - Left padded with zeros e.g. Amount 120.00 Rs is formatted as 000000012000
Tran_Auth_Id	In case bill status is 'P' else white space should be send according to specified length	O	String (Numeric) (6) e.g. 698242
Reserved	Reserved field	O	String (AlphaNumeric)(200) Pipe (|) separated data: Mobile number, email Left justified right Padded with spaces

Payment

The Bill Payment Service will be used to post the transaction into kuickpay system. The details of the function are as under:

Input Parameters

Parameter	Description	Mandatory /Optional	Data Type / Max. Length
userName	To secure the Web Service access	M	String (AlphaNumeric) (20)
password	To secure the Web Service access	M	String (AlphaNumeric) (20)
consumer_number	Kuickpay inquiry number	M	String (Numeric) (18)
tran_auth_id	Trans. Authorization ID	M	String (Numeric) (6) e.g. 698243 A unique ID within the same Date. Can be repeated on next date change
transaction_amount	Transaction Amount	M	String (Numeric) e.g. Amount 120 Rupees
tran_date	Transaction Date	M	String (Numeric) (8) YYYYMMDD
tran_time	Transaction Time	M	String (Numeric) (6) HHMMSS
bank_mnemonic	Bank Mnemonic	M	String (AlphaNumeric) (8)
Reserved	Reserved field	O	String (AlphaNumeric) (200)

Bill Payment

Request

URL: ../api/v1 /BillPayment

Method Type: POST

Headers:

Header["username"] = "Test"
Header["password"] = "@bcd"

Body:

```
{
        "consumer_number": "0000812345",
        "tran_auth_id" : "112233",
         "transaction_amount": "120" ,
        "tran_date" : "20180911",
        "tran_time" : "121366",
        "bank_mnemonic" : "KPY",
         "reserved": "something, special, string, can, be, send, into, it."
}
```

Response

For Success Case:

```
{
        "response_Code": "00",
        "Identification_parameter" : "Moiz@innovarge.com",
        "reserved": "something, special, string, can, be, send, into, it."
}
```

Return String in following format

Parameter	Description	Mandatory /Optional	Data Type / Max. Length
Response_Code	'00' in case of valid Voucher number that exists in the system/database, status is active '01' in case of invalid Voucher number that does not exists '02' in case of valid Voucher number that is currently blocked or dormant/inactive (i-e transactions are not allowed) '03' Unknown Error/Duplicate/Bad Transaction '04' Invalid Data '05' Processing Failed	M	String (Numeric) (2)
Identification Parameter	Trans. Receipt ID	O	String (N)(20) Left padded with zeros
Reserved	Reserved field	O	String (200) Left justified right Padded with spaces

Response Codes

Transaction Type	Response Code	Description
Bill Inquiry	00	Successful Bill Inquiry
Bill Inquiry	01	Voucher Number does not exist
Bill Inquiry	02	Voucher Blocked or Inactive
Bill Inquiry	03	Unknown Error/Bad Transaction
Bill Inquiry	04	Invalid Data (e.g wrong userid, password)
Bill Inquiry	05	Service Fail
Bill Payment	00	Successful Bill Payment
Bill Payment	01	Voucher Number does not exist
Bill Payment	02	Voucher Blocked or Inactive
Bill Payment	03	Unknown Error/Bad/Duplicate Transaction
Bill Payment	04	Invalid Data (e.g wrong userid, password)
Bill Payment	05	Service Fail