ShawMan

POS-Third party payment gateway integration API Specification

Version 1.1

Prepared by: Priya Mondkar

REVISION HISTORY

Version	Release Date	Change Description	Approved by	Approved Date	Author
1.0	10/08/2017	Document Created	Sheetal Kolhatkar	10/08/2017	Priya Mondkar
1.1	08/09/2017	Authcode & RRN parameters added in 4.2 Settle Bill API function	Sheetal Kolhatkar	08/09/2017	Priya Mondkar

CONTENTS

1 INTRODUCTION

1.1 Overview and Purpose of the document

This document is intended for vendors who wants to integrate ShawMan POS with their payment gateway platform.

1.2 Scope

The service design outlined in this document builds upon the scope defined in requirements phase. Production URL will be different from testing URL, and will be provided while deployment on production.

1.3 Audience

The intended audiences for this document are Senior Management, Product Development Teams, Technical Architects, Database designers, and Testers. This intended audience can also be third party software vendors if it is provided by the relevant stakeholders from ShawMan Software Pvt. Ltd along with an electronic approval.

2 OVERALL DESCRIPTION

2.1 ShawMan Perspective

ShawMan POS -Third party payment gateway API is an application programming interface that depends on data processing to be done on the server and then response sent to the calling application for respective display or action purpose. Users need to be connected to internet to access the API(s) without any hindrance.

2.2 Any Application Perspective

There is no limitation on the OS or platform of the vendor application, the only requirement is that the application should be able to connect to the web API over internet protocol and exchange data based on predefined inputs and perform various actions based on the response received. The vendor application shall communicate with the ShawMan Application Server over SSL using basic HTTP validation. The details on the request / response construct is as follows

```
<Request body>

METHOD: GET/POST/PUT
HEADER: For Header Authentication use any one of the key: value pair as per your App OS as mentioned
below.
       <Key>         : <Value>
       ShawManKey: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
This header must be passed with every request for authentication.

This header must be passed with every request for authentication with appropriate <Key>: <Value> pairs.

URL: https://fmtest.dishco.com/shawmanservices/api/<ControllerName>/<Function/Action>?<Parameters>

Mandatory Parameters with each Functions:
SourceApp = Shared by ShawMan for identifying app type
PackageName = Unique Partner Key Shared by ShawMan for authentication.


<Sample Response body>
Response will be in JSON Format.
{
  "POSId": "001",
  "Date":"15/08/2016"
}
```

3 FUNCTIONAL REQUIREMENT

Any App/Website can consume below mentioned functions from ShawMan POS -Third party payment gateway API Specification.

3.1 Get Bill Information for table/bill No.

When App/Website wants to get bill information from ShawMan POS for a table or bill number, App/website will use this API function to get the last unsettled bill for the table or bill# passed for the selected outlet.

3.2 Settle Bill

Once the bank/payment transaction is done by third party vendor, App/website will use this function to pass the transaction details back to ShawMan POS so that the bill will be marked as settled in POS as well.

4 SHAWMAN THIRD PARTY PAYMENT GATEWAY INTERFACE API

4.1 Get Bill Information for Table/Bill No.

To get the last unsettled bill details from ShawMan POS based on table/bill # passed.

URL:

Testing URL – https://fmtest.dishco.com/shawmanservices/api

Method: POSGetBillDetailsPTR/FunPubGetBillDetails

Method Type: Get

Parameters:

Name	Summary	Type	Required
RestaurantId	*Unique Restaurant Id*	*Integer*	*Mandatory*
BillFor	*This would be either Table#, bill#*	*String*	*Mandatory*
SourceId	*Pass T for Table#, B for bill#*	*String*	*Mandatory*
DeviceId	*DeviceId from where bill detail request is initiated*	*String*	*Mandatory*
SourceApp	*Unique App Category as provided by ShawMan*	*String*	*Mandatory*
PackageName	*Unique Package name as provided by ShawMan*	*String*	*Mandatory*

Client Request

```
<Request Body>
METHOD: GET
URL:https://fmtest.dishco.com/shawmanservices/api/POSGetBillDetailsPTR/FunPubGetBillDetails?RestaurantId=642272&BillFor=BL00000123&SourceId=B&DeviceId=123&SourceApp=XXXXX&PackageName=XXXXXXXXXXXXXXXXXXXX
```

Server Response

1. *Response 1: When bill(s) are available for settlement.*

```
<Response body>
[
{
"Statuscode":0,
"message": "success",
"responsedata": [
                    {
                      "restaurantid":642272,
                      "billNo": BL00000123,
                      "billAmount": 5000.00
                    }

                  ]
}
]
```

2. Response 2: *When bills are not available.*

```
<Response Body>
[
  {
    "StatusCode": 3,
    "StatusMessage": "No bill is pending for settlement for this table/bill/terminal”
  }
]
```

3. Response 2: *When invalid table/bill passed.*

```
<Response Body>
[
  {
    "StatusCode": 4,
    "StatusMessage": "Invalid table/bill number”
  }
```

```
]
```

4. Response 3: *When authentication fails.*

```
<Response Body>
[
  {
    "StatusCode": 1,
    "StatusMessage": "Authentication Failed”
  }
]
```

5. Response 4: *When any other exception.*

```
<Response Body>
[
   {
      "StatusCode": 2,
     "StatusMessage": "Error Occurred”
    }
]
```

4.2 Settle Bill

To settle the bill in POS after completing banking transaction:

URL:

Testing URL – https://fmtest.dishco.com/shawmanservices/api

Method: POSSettleBillPTR/FunPubSettleBill

Parameters:

Name	Summary	Type	Required
RestaurantId	*Unique Restaurant Id*	*Integer*	*Mandatory*
BillFor	*This would be either Table#, bill#*	*String*	*Mandatory*
SourceId	*Pass T for Table#, B for bill#*	*String*	*Mandatory*
BillAmount	*Bill Amount for which transaction is completed*	*Numeric*	*Mandatory*
TipAmount	*Tip Amount against that bill, if no tip, pass zero*	*Numeric*	*Mandatory*

CreditCardNo	*Credit Card Number in case of Bank Credit/Debit card transaction (Pass only last 4 digits)*	*Integer*	*Mandatory*
CustomerName	*Customer Name*	*String*	*Optional*
ChargeSlipNo	*Charge Slip Number in case of Bank Credit/Debit Card transaction*	*String*	*Optional*
TransactionId	*Transaction id of payment gateway*	*String*	*Mandatory*
TransactionStatus	*Transaction status of payment gateway, this could be either success or fail.*	*String*	*Mandatory*
Remark	*Error Description in case transaction fails*	*String*	*Optional*
DeviceId	*DeviceId from where bank transaction is completed*	*String*	*Mandatory*
AuthCode	This will be the unique number for transaction received from Airpay which will be saved in POS.	*String*	*Mandatory*
RRN	This will be the unique number for transaction received from Airpay which will be saved in POS. This will be passed to Airpay API for Void transaction.	*String*	*Mandatory*
SourceApp	*Unique App Category as provided by ShawMan*	*String*	*Mandatory*
PackageName	*Unique Package name as provided by ShawMan*	*String*	*Mandatory*

Client Request

```
<Request Body>
METHOD: GET
URL:https://fmtest.dishco.com/shawmanservices/api/POSSettleBillPTR/FunPubSettleBill?RestaurantId=642332&BillFor=BL00000123&SourceId=T&BillAmount=5000.00&TipAmount=50.00&CreditCardNo=1234&CustomerName=ABC&ChargeSlipNo=45678&TransactionId=6789&TransactionStatus=success&DeviceId=1&SourceApp=XXXX&PackageName=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

Server Response

1. *Response 1: When transaction is successful.*

```
<Response body>
[
{
"Statuscode":0,
"message": "success",
}
]
```

2. Response 2: *When authentication fails.*

```
<Response Body>
[
  {
    "StatusCode": 1,
    "StatusMessage": "Authentication Failed”
  }
]
```

3. Response 3: *When any other exception.*

```
<Response Body>
[
   {
     "StatusCode": 2,
     "StatusMessage": "Error Occurred”
    }
]
```