



Flexepin – Cash Topup Vouchers

API based Business UAT

Flexepin_Merchant UAT API_v1.3.docx

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Document History

Revision	Description of Change	Date	Author
1.0	UAT Flexepin API	10-Nov-15	GB
1.1	Minor rewording	05 Jan 2016	ED
1.2	Amended test cases	08 Mar 2016	GB
1.3	Added test cases	18 Mar 2016	GB

Overview

1.1 Purpose

This document specifies the test cases that will be executed during testing of the Flexepin REST API for the redemption of Flexepin Cash Topup Vouchers. The test cases are for business users to confirm the core functions of the application.

1.2 Scope

This document is limited to the acceptance of Flexepin API related test cases.

1.3 Acceptance Procedure

Below is the procedure to follow for the acceptance:

- UAT document provided to the client (Term “client” and “merchant” interchangeable)
- The client reads the document
- The client conducts UAT
- Signature for the acceptance of the document

Acceptance of the system:

- All scenarios described are executed on the FLEXEPIN REST API environment (Flexepin REST API Repository: <http://docs.flmerchant.apiary.io/>). The outcome of each scenario is examined and the accordingly result is verified
- The system is accepted when all scenarios listed are accepted and signed

1.4 Methodology

The following tools should be used for UAT:

- Workstation (laptop/desktop)
- Web browser

1.5 Prerequisites

These components must available and working for all tests:

- Flexepin system platform is running
- Appropriate access credential for the Users conducting acceptance

Test Cases

Test cases are grouped per set of functional themes and include numbering. At the beginning of each test case suite there is a description of the test environment and the tools to be used.

Each test case is an action to be taken and a description for the requested result.

Each test case corresponds to only one test, for which the purpose is to validate defined functionality or a requested behavior.

It is important to keep the test environment in a known state. If trying to locate faults the following shall be performed:

- When the tester finds it necessary screenshots are to be saved. Those screen shots can be sent together with a ticket if required
- Provide necessary information on how to recreate the fault

Each test case includes the following information:

- Test purpose
- Test prerequisite
- Action description
- Requested result, behavior

1.1 Test Summary

The following table lists all the test cases included in this test specification document for:

#	Test Case ID	Description	Remarks
1	AUTH000	Client Authentication	Authentication
2	API001	System Status	Status
3	API002	Validate PIN	Validate
4	API003	Redeem PIN	Redeem
5	API004	Query PIN	Transaction
6	API005	Query Store Location	Stores
7	REP001	View Reports via SCP	

Note: API stands for “Application Programming Interface”

Reference: API URL Details: <http://docs.flmerchant.apiary.io/>

1.2 Core Functions

AUTH000: Client Authentication		
Prerequisite: API Credentials		
Procedure	Expectation	Success/Failure
<ol style="list-style-type: none"> 1. Refer "Flexepin REST API Documentation" 2. Insert API Key and Secret to access API functions 	Client access authentication successful	Failure: Error code "401", "You are not authorised to access this resource"

API Key = To be provided upon request

API Secret = To be provided upon request

(Refer to REST API PHP sample)

```

1  <?php
2
3  date_default_timezone_set('Australia/Melbourne');
4
5  /**
6   * @package Flexepin Client API
7   * @version 0.1
8   * @access public
9   * @license http://www.opensource.org/licenses/LGPL-3.0
10  */
11
12
13  class Flexepin {
14
15      // private $rootPath = "https://rest.flexepin.com";
16      private $rootPath = "https://testrest.flexepin.com";
17      private $key;
18      private $secret;
19
20      /**
21       * Flexepin::__construct()
22       * Sets required key and secret to allow the script to function
23       * @param Flexepin API Key $key
24       * @param Flexepin Secret $secret
25       * @return
26       */
27      public function __construct($key, $secret) {
28          if (isset($secret) && isset($key))
29          {
30              $this->key = $key;
31              $this->secret = $secret;
32          } else
33              die("NO KEY/SECRET");
34      }
35
36      /**
37       * Flexepin::do_private_query()
38       */

```

API001: System Status		
Prerequisite: No prerequisites		
Procedure	Expectation	Success/Failure

3. Refer "Flexepin REST API Documentation"	System status successfully retrieved	Success: "Alive" returned Failure: No response returned
4. Use "GET: status"		

API002: Validate PIN		
Prerequisite: API Credentials		
Procedure	Expectation	Success/Failure
1. Refer "Flexepin REST API Documentation"	PIN status successfully validated	Refer "List of Error Codes"
2. Use "GET: validate"		
API003: Redeem PIN		
Prerequisite: API Credentials		
Procedure	Expectation	Success/Failure
1. Refer "Flexepin REST API Documentation"	PIN successfully redeemed	Refer "List of Error Codes"
2. Use "PUT: redeem"		

API004: Query PIN		
Prerequisite: API Credentials		
Procedure	Expectation	Success/Failure
1. Refer "Flexepin REST API Documentation"	PIN transaction record successfully retrieved	Refer "List of Error Codes"
2. Use "GET: trans_no" to query past transaction by Flexepin transaction ID		
3. Use "GET:transaction_id" to query past transaction by Merchant transaction ID		

API005: Query Store Location		
Prerequisite: API Credentials		
Procedure	Expectation	Success/Failure
<ol style="list-style-type: none"> 1. Refer "Flexepin REST API Documentation" 2. Use "GET: stores/lng/lat/range" to query store by geographic parameters 3. Use "GET: stores country" to query store location by country 	Store location record successfully retrieved	Refer "List of Error Codes"

List of Error Codes: Code "0" indicated "Success", otherwise refer to table below

Result	Description	Meaning
4019	Voucher Type is not accepted	Voucher type is not accepted by merchant
4072	Voucher is used	Voucher has been redeemed already
4074	Voucher is expired	Voucher has expired and cannot be used
4075	Voucher is not found	Voucher cannot be found

Transaction Reporting Tools (Self Care Portal):

SCP001: Search and View transaction reports in SCP		
Prerequisite: User successfully logged-in with credentials and able to navigate through items on the left panel. Appropriate role is activated for the user.		
Procedure	Expectation	Success/Failure
<ol style="list-style-type: none"> Navigate to "https://scp.flexepin.com". Select the available options & search/view the report. 	<ol style="list-style-type: none"> Reports available Transaction search criterion available 	

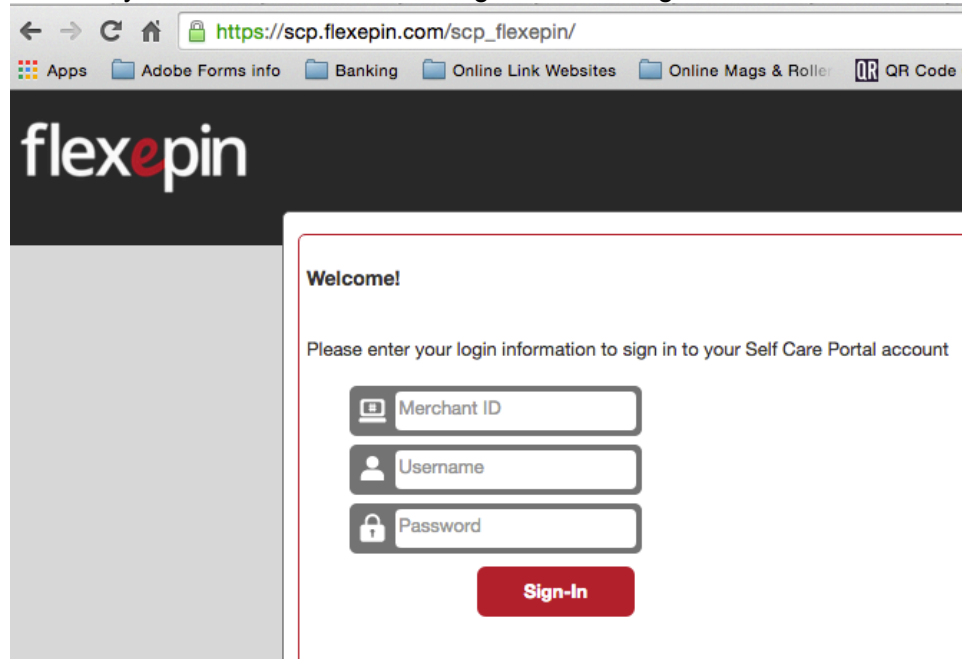
Login with the credentials on SCP to access transaction reporting tools (2-factor authentication used)

Merchant ID = To be provided upon request

Password = To be provided upon request

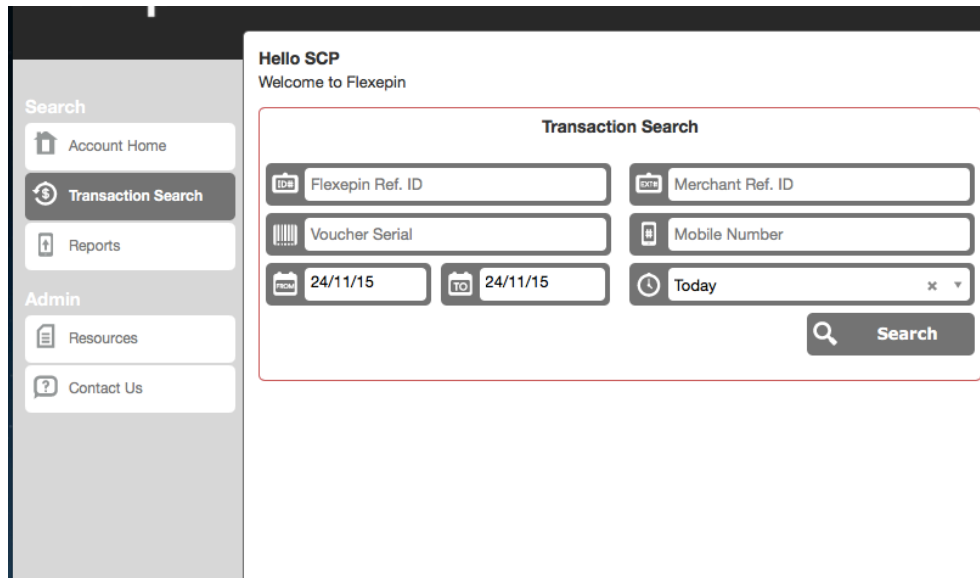
Access Code = To be dispatched to user's mobile phone

Client must provide the details of authorised person(s) for accessing Self Care Portal. System user role will be assigned according to the level of authorisation.

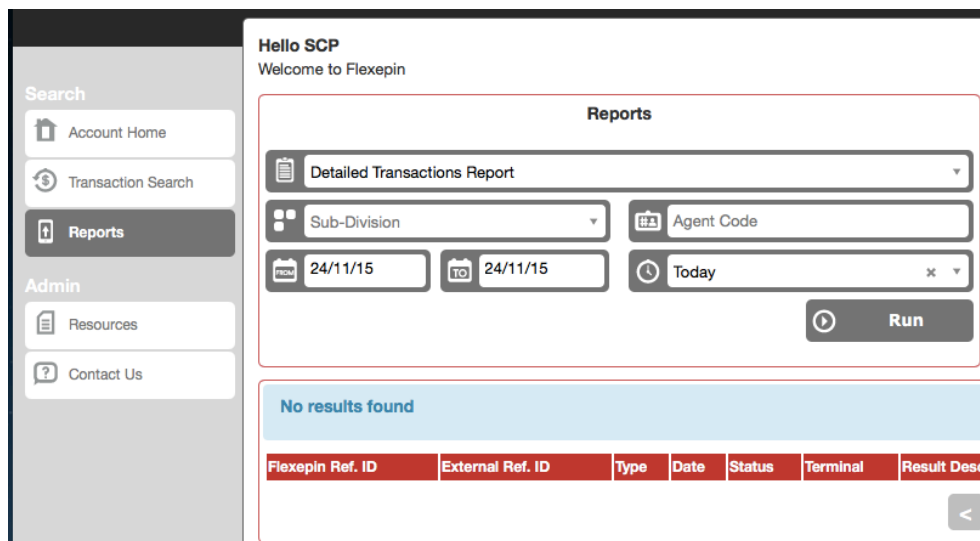


Once logged in:

Search transaction criterion under "Transaction Search"



View reports by different format under “Reports”



Note: SCP also provides other administrative and client information. Any changing request such as profile change/access credential change must be communicated to the Flexepin team.

Sign-Off

Flexepin and Client signatures of this section signify agreement to the scope and contents of the acceptance test cases for this test module.

Flexepin Acceptance

Signature

Name and Title

Client Acceptance

Signature

Name and Title
