House Account Services

#### End user documentation

# Purpose:

The purpose of this document is to provide a comprehensive documentation of the House Account services that will be implemented. Key end to end features will be discussed to include java classes, database tables, tag libraries as well as key components and how these parts work.

# Scope:

The scope of this document is restricted to describing how the House Account web services is designed and how the service will be used in normal situations.

# Audience:

The intended audience of this document is the end users of this application / web service.

# Requirements:

Design and implement the following web services:

* House Account Balance Web Service
* Payment Authorization Service

# Payment Approval

## NOTES:

* This service will use the SALTA database (only).
* Security and performance efficiency were a key concern in its design.
* The approval process will be treated as an atomic transaction; so if any error occurs in any of the component steps, then the entire transaction will be rolled back.
* A successful authorization will be: if (amount <= available balance) then APPROVED otherwise REJECTED.
* Audit and historical information will be captured and stored in the SALTA database. (Please see appendix section for specifics about the audit table and fields that are being recorded.)

|  |  |  |
| --- | --- | --- |
| COLUMN | TYPE | COMMENTS |
| ID | NUMBER(10) | NOT NULL, PRIMARY KEY |
| ACCOUNT\_NUMBER | NUMBER(10) | NOT NULL |
| APPROVAL\_DATE | DATE | NOT NULL, defaults to current date |
| REQUEST\_AMOUNT | NUMBER(8,2) | NOT NULL, defaults to $0.00 |
| AVAILABLE\_BALANCE | NUMBER(8,2) | NOT NULL, defaults to $0.00 |
| ORDERID | NUMBER(10) | NOT NULL |
| SOURCESYSTEM | VARCHAR2(30) | NOT NULL |
| APPROVALCODE | VARCHAR2(5) | NOT NULL |
| APPROVALSTATUS | VARCHAR2(10) | NOT NULL |
| COMMENTS | VARCHAR2(1000) |  |

Table 2 – Payment Approval Audit Table (PYMTAPPROVALAUDIT)

|  |  |  |
| --- | --- | --- |
| **APPROVALCODE** | **APPROVALSTATUS** | **COMMENTS** |
| **200** | **APPROVED** | This is returned if the requested amount is less than or equal to the ‘CREDIT\_LIMIT\_AMOUNT’ amount. |
| **400** | **REJECTED** |  |
|  |  |  |

Table 3 – Approval Codes

# House Account Balance

## NOTES:

* This service will use the SALTA database.
* Salta has the account balance of the house account. The customer in question will be validated before a balance amount will be returned.
* Requested customer Verification will be done using the following criteria:

account status is active

customer is a house account

customer is valid status date (customer current status with date range)

# Appendix

## XML\_REQUEST

## House Account Balance

### URL:

<http://cpw>70252/salta/process/houseAcctBalanceService

### REQUEST:

<eps:esbSaltaServiceRequest xmlns:eps=”http://www.eps.flws.salta.in.com”>

<eps:getHouseAccountBalance>

<eps:corpAccountNumber>150474523</eps:corpAccountNumber>

<eps:sourceSystem>WEB</eps:sourceSystem>

<eps:orderNumber>5812551626</eps:orderNumber>

</eps:getHouseAccountBalance>

</eps:esbSaltaServiceRequest>

### RESPONSE:

<?xml version=”1.0” encoding=”UTF-8” standalone=”yes”?>

<esbSaltaServiceResponse xmlns=”http://www.eps.flws.salta.out.com”>

<getHouseAccountBalanceResponse>

<balance>500.0</balance>

</getHouseAccountBalanceResponse>

</esbSaltaServiceResponse>

## Payment Authorization

### URL:

<http://cpw>70252/salta/process/paymentAuthorizeService

### REQUEST:

<eps:esbSaltaServiceRequest xmlns:eps=”http://www.eps.flws.salta.in.com”>

<eps:authorizeHouseAccount>

<eps:corpAccountNumber>150474523</eps:corpAccountNumber>

<eps:sourceSystem>WEB</eps:sourceSystem>

<eps:orderNumber>5812551626</eps:orderNumber>

<eps:amount>499.0</eps:amount>

</eps:authorizeHouseAccount>

</eps:esbSaltaServiceRequest>

### RESPONSE:

<?xml version=”1.0” encoding=”UTF-8” standalone=”yes”?>

<esbSaltaServiceResponse xmlns=”http://www.eps.flws.salta.out.com”>

<authorizeHouseAccountResponse>

<approvalCode>200</approvalCode>

<approvalStatus>APPROVED</approvalStatus>

</authorizeHouseAccountResponse>

</esbSaltaServiceResponse>

<?xml version=”1.0” encoding=”UTF-8” standalone=”yes”?>

<esbSaltaServiceResponse xmlns=”http://www.eps.flws.salta.out.com”>

<authorizeHouseAccountResponse>

<approvalCode>400</approvalCode>

<approvalStatus>REJECTED</approvalStatus>

</authorizeHouseAccountResponse>

</esbSaltaServiceResponse>

# Change Log

|  |  |  |
| --- | --- | --- |
| Changed By | Date | Comments |
| Casmon Gordon | 05-19-2017 | Initial Revision |
|  |  |  |
|  |  |  |