SOFT CONSOLE

FOREX GL MODULE

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# INTRO

## Overview

This document provides technical requirements of the FOREX module under the Soft-Console Web App.

## General Notes

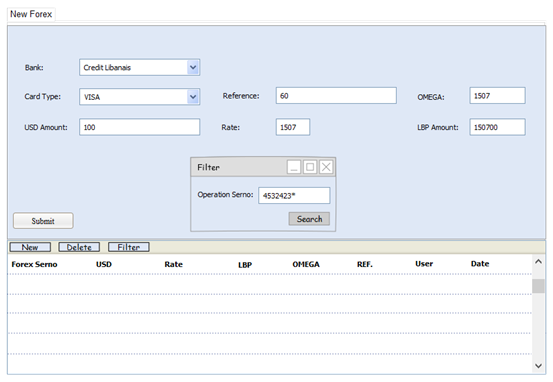
The screen layouts and details are an example of how the screens should hold, look and feel, but they do not have to be exactly the same.

# FOREX GL

## Menus

One new sub-menu ‘FOREX GL’ should be added under the Acquiring menu

## Screen



## Details

This screen allow the user to add new exchanges records to be processed.

The grid should list the records on when a search filter by **SERNO** is applied

## GUI Options

### Bank Com**b**o Box

This is the bank selection it should show the bank name while it holds the BANK ID e.g. 53 for CL

### Card Type Combo Box

This is the card indicator it should hold the card type VISA, MASTERCARD…

On type selection, if the card type is a **VISA** derived type set the ‘**Reference**’ field value to start with **60**, else if the card type is a **MASTERCARD** derived type set the ‘**Reference**’ field value to start with **65**.

### USD Amount Field

This is a numeric input field, a validation should be made within a parameterized range [min, max] USD amount.

### Rate Field

This is a numeric field, a validation should be made for the rate within a parameterized range [min, max]

It is the conversion rate from USD to LBP.

On rate value change, update the ‘**LBP Amount**’ field value to the calculated conversion (USD Amount x Rate).

### OMEGA Field

This is a user input indicator field, it should not be blank

### Submit Button

On submit the form data should be used to create the **Forex Operation:**

* Create the operation Header by inserting the **CL\_GL\_HDR** record:
* Get the new Serial Number e.g. long serno = Db.*nextLong*(ClGlHdr.*SCHEMA*, "GL\_SERIAL")
* Get the current user using: AccessUser.instance().getUsername()
* Create a new instance of the Class **ClGlHdr** and pass the arguments e.g.

ClGlHdr header = **new** ClGlHdr()

.setGlhBank( <selected bank> )

.setGlhDate( <now date time> )

.setGlhDocType( <acquirer: “A”> )

.setGlhDtm( <now date time> )

.setGlhEntryDate( <now date time> )

.setGlhSerial( <serial number> )

.setGlhUser( <user> );

Db.*exec*(ClGlHdrStatements.*insert*(header));

* Create the operation details **CL\_GL** records:
* 8 lines to be created for VISA or MasterCard
* <parameters> are inquired from form parameters
* **GLF\_ACCOUNT**, **GLF\_CL, GLF\_CURRENCY, GLF\_LINE, GLF\_SIGN** are configuration parameters  
  and should be used given the ConfMap standard MAP, TAG, VALUE:

Map Name: **FXGL<Card Type Indicator><Line number>** e.g. FXGLM1

And so on, the CONF\_MAP TABLE related record should hold configured parameters like:

|  |  |  |
| --- | --- | --- |
| **MAP** | **TAG** | **VALUE** |
| FXGLM1 | ACCOUNT | 1060022440001 |
| FXGLM1 | SIGN | - |
| FXGLM1 | CURRENCY | 1 |
| FXGLM1 | CODE | 201 |
| FXGLM1 | CL | 120 |
| FXGLM2 | ACCOUNT | 1060890840840 |
| FXGLM2 | SIGN | + |
| FXGLM2 | CODE | 201 |
| FXGLM2 | CURRENCY | 1 |
| FXGLM2 | CL | 057 |
| FXGLM3 | ACCOUNT | 1060890422422 |
| FXGLM3 | SIGN | - |
| FXGLM3 | CURRENCY | 0 |
| FXGLM3 | CODE | 201 |
| FXGLM3 | CL | 072 |
| … | … | … |

You can use the below query do add a new configured parameter entry:

INSERT INTO conf\_map(map, tag, value) VALUES ( 'FXGLM1', 'ACCOUNT’, ‘1060890840840’);

Note that the above configuration should cover 8 lines for MasterCard and 8 lines for VISA. Each line have 4 fields: ACCOUNT, SIGN, CURRENCY and CL.

**CONF\_MAP** should hold 64 entries (8\*4 + 8\*4) for the FOREX operations.

* Below are the CL\_GL Records in case of a VISA FOREX operation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Record 1** | **Record 2** | **Record 3** | **Record 4** |
| GLF\_BANK | <Bank> | <Bank> | <Bank> | <Bank> |
| GLF\_SERIAL | <Header Serial> | <Header Serial> | <Header Serial> | <Header Serial> |
| GLF\_LINE | **1** | **2** | **3** | **4** |
| GLF\_CODE | **201** | **201** | **201** | **201** |
| GLF\_ACCOUNT | **1060022440001** | **1060890840840** | **1060890422422** | **1060022440006** |
| GLF\_SIGN | **-** | **+** | **-** | **+** |
| GLF\_AMOUNT | <Amount USD> | <Amount USD> | <Amount LBP> | <Amount LBP> |
| GLF\_CURRENCY | **1** | **1** | **0** | **0** |
| GLF\_CL | **120** | **057** | **072** | **403** |
| GLF\_REFERENCE | <Reference> | <Reference> | <Reference> | <Reference> |
| GLF\_LIBELLE | **Null** | **Null** | **Null** | **Null** |
| GLF\_SOURCE | **Null** | **Null** | **Null** | **Null** |
| GLF\_DOCUMENT | **Null** | **Null** | **Null** | **Null** |
| GLF\_STATUS | **0** | **0** | **0** | **0** |
| GLF\_USER | <User> | <User> | <User> | <User> |
| GLF\_DTM | **Sysdate** | **Sysdate** | **Sysdate** | **Sysdate** |
| GLF\_LIB4 | <Rate> | <Rate> | <Rate> | <Rate> |
| GLF\_OMEGA | <Omega ref.> | <Omega ref.> | <Omega ref.> | <Omega ref.> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Record 1** | **Record 2** | **Record 3** | **Record 4** |
| GLF\_BANK | <Bank> | <Bank> | <Bank> | <Bank> |
| GLF\_SERIAL | <Header Serial> | <Header Serial> | <Header Serial> | <Header Serial> |
| GLF\_LINE | **1** | **2** | **3** | **4** |
| GLF\_CODE | **201** | **201** | **201** | **201** |
| GLF\_ACCOUNT | ***0010890840840*** | ***1060890840840*** | ***1060890422422*** | ***0010890422422*** |
| GLF\_SIGN | ***+*** | ***-*** | ***+*** | ***+*** |
| GLF\_AMOUNT | <Amount USD> | <Amount USD> | <Amount LBP> | <Amount LBP> |
| GLF\_CURRENCY | ***1*** | ***1*** | ***0*** | ***0*** |
| GLF\_CL | ***125*** | ***057*** | ***057*** | ***406*** |
| GLF\_REFERENCE | <Reference> | <Reference> | <Reference> | <Reference> |
| GLF\_LIBELLE | **Null** | **Null** | **Null** | **Null** |
| GLF\_SOURCE | **Null** | **Null** | **Null** | **Null** |
| GLF\_DOCUMENT | **Null** | **Null** | **Null** | **Null** |
| GLF\_STATUS | **0** | **0** | **0** | **0** |
| GLF\_USER | <User> | <User> | <User> | <User> |
| GLF\_DTM | **sysdate** | **sysdate** | **sysdate** | **Sysdate** |
| GLF\_LIB4 | <Rate> | <Rate> | <Rate> | <Rate> |
| GLF\_OMEGA | <Omega ref.> | <Omega ref.> | <Omega ref.> | <Omega ref.> |

* Below are the CL\_GL Records in case of a MASTERCARD FOREX operation:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Record 1** | **Record 2** | **Record 3** | **Record 4** |
| GLF\_BANK | <Bank> | <Bank> | <Bank> | <Bank> |
| GLF\_SERIAL | <Header Serial> | <Header Serial> | <Header Serial> | <Header Serial> |
| GLF\_LINE | **1** | **2** | **3** | **4** |
| GLF\_CODE | **201** | **201** | **201** | **201** |
| GLF\_ACCOUNT | ***1065001386001*** | ***1065890840840*** | ***1065890422422*** | ***1065001386003*** |
| GLF\_SIGN | ***+*** | ***-*** | ***+*** | ***+*** |
| GLF\_AMOUNT | <Amount USD> | <Amount USD> | <Amount LBP> | <Amount LBP> |
| GLF\_CURRENCY | ***1*** | ***1*** | ***0*** | ***0*** |
| GLF\_CL | ***120*** | ***057*** | ***072*** | ***403*** |
| GLF\_REFERENCE | <Reference> | <Reference> | <Reference> | <Reference> |
| GLF\_LIBELLE | **Null** | **Null** | **Null** | **Null** |
| GLF\_SOURCE | **Null** | **Null** | **Null** | **Null** |
| GLF\_DOCUMENT | **Null** | **Null** | **Null** | **Null** |
| GLF\_STATUS | **0** | **0** | **0** | **0** |
| GLF\_USER | <User> | <User> | <User> | <User> |
| GLF\_DTM | **sysdate** | **sysdate** | **sysdate** | **Sysdate** |
| GLF\_LIB4 | <Rate> | <Rate> | <Rate> | <Rate> |
| GLF\_OMEGA | <Omega ref.> | <Omega ref.> | <Omega ref.> | <Omega ref.> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Record 1** | **Record 2** | **Record 3** | **Record 4** |
| GLF\_BANK | <Bank> | <Bank> | <Bank> | <Bank> |
| GLF\_SERIAL | <Header Serial> | <Header Serial> | <Header Serial> | <Header Serial> |
| GLF\_LINE | **1** | **2** | **3** | **4** |
| GLF\_CODE | **201** | **201** | **201** | **201** |
| GLF\_ACCOUNT | **0010890840840** | **1060890840840** | **1060890422422** | **0010890422422** |
| GLF\_SIGN | ***+*** | ***-*** | ***+*** | ***+*** |
| GLF\_AMOUNT | <Amount USD> | <Amount USD> | <Amount LBP> | <Amount LBP> |
| GLF\_CURRENCY | ***1*** | ***1*** | ***0*** | ***0*** |
| GLF\_CL | ***125*** | ***057*** | ***057*** | ***406*** |
| GLF\_REFERENCE | <Reference> | <Reference> | <Reference> | <Reference> |
| GLF\_LIBELLE | **Null** | **Null** | **Null** | **Null** |
| GLF\_SOURCE | **Null** | **Null** | **Null** | **Null** |
| GLF\_DOCUMENT | **Null** | **Null** | **Null** | **Null** |
| GLF\_STATUS | **0** | **0** | **0** | **0** |
| GLF\_USER | <User> | <User> | <User> | <User> |
| GLF\_DTM | **sysdate** | **sysdate** | **sysdate** | **Sysdate** |
| GLF\_LIB4 | <Rate> | <Rate> | <Rate> | <Rate> |
| GLF\_OMEGA | <Omega ref.> | <Omega ref.> | <Omega ref.> | <Omega ref.> |

On successful Forex Operation creation, the operation **serno** should be returned within the success alert on screen.

### New Button

On new button click, the form will be cleared and reset waiting for a new user input

### Filter Button

On filter Button click, the filter search window will appear prompting to enter an operation Header serno to view, the serno is a number, a star **\*** can be used for pattern matching.

Results are fetched into the Forex Grid below the form.

If the operation status is 0, the grid’s record background color should be ‘green yellow’

If the operation status is 1, the grid’s record background color should be ‘tomato’

### Delete Button

On delete button click, if a grid’s record is selected and its status is 0 (pending) the delete operation should be allowed, else the delete is not allowed and you should a show a message alert.

# REVISION HISTORY

|  |  |  |  |
| --- | --- | --- | --- |
| vERSION | aUTHOR | rEASON | dATE |
| 1 | FADY ARO | INITIAL DRAFT INCLUDING FOREX GL SCREEN | March 18, 2017 |
|  |  |  |  |