SOFT CONSOLE

FOREX MODULE

SOFT CONSOLE – GUI, FOREX DESIGN DOCUMENT

TABLE OF CONTENTS

Table of Contents

INTRO

OVERVIEW

This document aims to provide technical details of the FOREX plugin requirement under the Soft-Console Web GUI

GENERAL NOTES

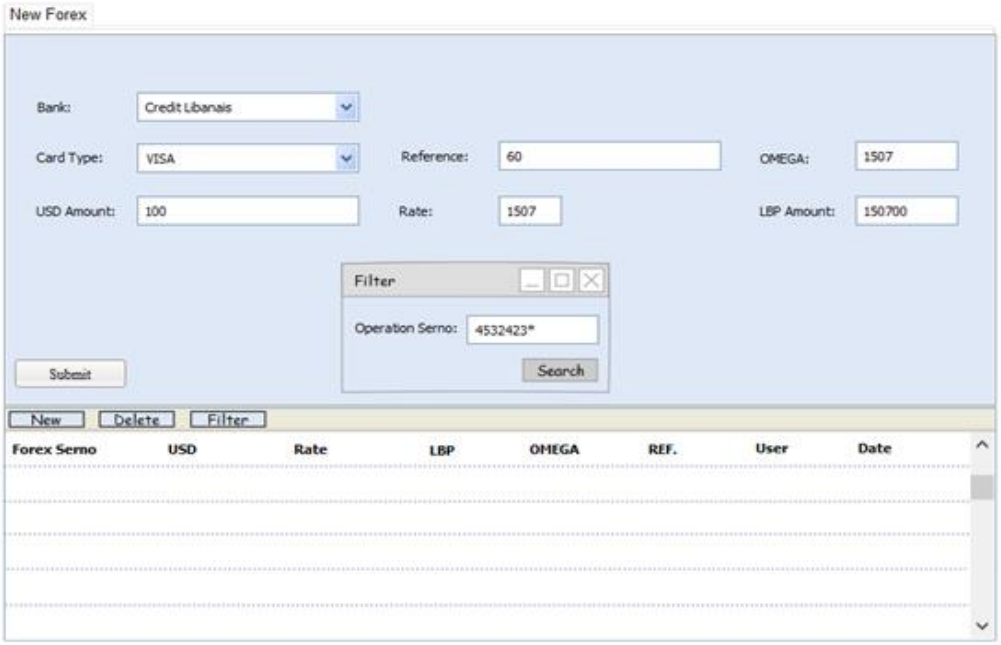
The screen layouts and details are an example of how the screens should hold, look and feel but they do not have to be exactly the same.

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 Combo 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(             <aquirer: "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	CL	120
FXGLM2	ACCOUNT	1060890840840
FXGLM2	SIGN	+
FXGLM2	CURRENCY	1
FXGLM2	CL	057
FXGLM3	ACCOUNT	1060890422422
FXGLM3	SIGN	-
FXGLM3	CURRENCY	0
FXGLM3	CL	072
…	…	…

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	**LINE 1**	**LINE 2**	**LINE 3**	**LINE 4**
GLF_BANK	BANK	BANK	BANK	BANK
GLF_SERIAL	Oracle Seq	Oracle Seq	Oracle Seq	Oracle Seq
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 Name	User Name	User Name	User Name
GLF_DTM	sysdate	sysdate	sysdate	sysdate

GLF_LIB4	Null	Rate	Rate	Null
GLF_OMEGA	Omega ref.	Omega ref.	Omega ref.	Omega ref.

Column Name	LINE 1	LINE 2	LINE 3	LINE 4
GLF_BANK	BANK	BANK	BANK	BANK
GLF_SERIAL	Oracle Seq	Oracle Seq	Oracle Seq	Oracle Seq
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 Name	User Name	User Name	User Name
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 rest 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 a show a message alert.