SMARTCARD FINANCIAL SETTLEMENT SYSTEM

DATABASE PROGRAMMING

ASSIGNMENT

FSS_TERMINAL_TYPE		
PK	**TYPENAME**	**VARCHAR2(3)**
	TYPEDESCRIPTION	**VARCHAR2(50)**
	TERMINALPREFIX	**CHAR(24)**
	TYPESTATUS	**VARCHAR2(1)**
	MINTRANAMT	**NUMBER**
	MAXTRANAMT	**NUMBER**
	CREATEDBY	VARCHAR2(10)
	CREATEDDATE	DATE

FSS_TERMINAL		
PK	**TERMINALID**	**TEXT(10)**
	TERMINALTYPE	**TEXT(3)**
	SAMID	**TEXT(10)**
	TERMINALSTATUS	**TEXT(1)**
FK2	**MERCHANTID**	**DOUBLE**
FK1	**TYPENAME**	**TEXT(3)**

FSS_MERCHANT		
PK	**MERCHANTID**	**DOUBLE**
	MERCHANTFIRSTNAME	TEXT(35)
	MERCHANTLASTNAME	TEXT(50)
	MERCHANTSTREETNR	TEXT(15)
	MERCHANTSTREETNAME	TEXT(35)
	MERCHANTSUBURB	TEXT(35)
	MERCHANTSTATE	TEXT(3)
	MERCHANTPOSTCODE	TEXT(4)
	MERCHANTTELEPHONENR	TEXT(15)
	MERCHANTFAXNR	TEXT(15)
	MERCHANTBANKBSB	TEXT(6)
	MERCHANTBANKACCNR	TEXT(10)
	MERCHANTACCOUNTTITLE	TEXT(32)
	MERCHANTSTATUS	TEXT(1)

FSS_ORGANISATION		
PK	**ORGNR**	**NUMBER**
	ORGNAME	**VARCHAR2(50)**
	ORGSTREETNR	VARCHAR2(25)
	ORGSTREET	VARCHAR2(50)
	ORGSUBURB	VARCHAR2(35)
	ORGSTATE	VARCHAR2(3)
	ORGPOSTCODE	VARCHAR2(6)
	ORGPHONENR	VARCHAR2(18)
	ORGENQUIRYNR	VARCHAR2(12)
	ORGBSBNR	VARCHAR2(6)
	ORGBANKACCOUNT	VARCHAR2(10)
	ORGACCOUNTTITLE	VARCHAR2(26)
	COMMENTS	VARCHAR2(255)

FSS_TRANSACTION		
PK	**TRANSACTIONNR**	**NUMBER**
	DOWNLOADDATE	**DATE**
FK1	**TERMINALID**	**VARCHAR2(10)**
FK2	**CARDID**	**VARCHAR2(17)**
	TRANSACTIONDATE	**DATE**
$	**CARDOLDVALUE**	**NUMBER**
	TRANSACTIONAMOUNT	**NUMBER**
	CARDNEWVALUE	**NUMBER**
	TRANSACTIONSTATUS	**VARCHAR2(1)**
	ERRORCODE	VARCHAR2(25)

FSS_DAILY_TRANSACTION		

The FSS_DAILY_TRANSACTION table
You will copy any NEW data from my table into yours then settle the transactions that need to be settled. The structure of the table will be the same as mine but you may want to add any columns that you feel appropriate to your solution. If you add new columns then please follow the existing naming convention.

FSS_REFERENCE		
PK	**REFERENCEID**	**VARCHAR2(5)**
	REFERENCENAME	**VARCHAR2(25)**
	REFERENCEVALUE	**VARCHAR2(50)**
	REFCOMMENT	VARCHAR2(255)

FSS_SMARTCARD		
PK	**CARDID**	**VARCHAR2(17)**
	DATEISSUED	**DATE**
	ISSUEVALUE	**NUMBER**
	CARDSTATUS	**VARCHAR2(1)**
	CURRENTVALUE	**NUMBER**

FSS_DAILY_SETTLEMENT		

The FSS_DAILY_SETTLEMENT will store the results of your settlement run. You will need to design the definition of the table yourself

FSS_RUN_TABLE		
PK	**RUNID**	**NUMBER**
	RUNSTART	**DATE**
	RUNEND	**DATE**
	RUNOUTCOME	**VARCHAR2(15)**
	REMARKS	VARCHAR2(255)

You will create the FSS_RUN_TABLE
Values for the RUNOUTCOME attribute are SUCCESS or FAIL

FSS_HOLIDAY		
	HOLIDAY_DATE	DATE

New Table
Suggestion only

Existing Table

Staging Table
Data is temporary