* **DATABASE DESIGN DOCUMENT**

Created 5 tables which represent Best Buy employee customer and individual sale and relation between them

Table No 1 Sale\_Rep

Sale representative table content as SALE\_REP

Employee number max 5 character which is primary key

Employee last name max 15 character

Employee First Name max 15 Character

Street address of the employee with max 15 character

State of employee with max 2 character

Table no 2 BBY\_CUSTOMER

Best Buy customer database with personal info as BBY\_CUSTOMER

Reward number is the primary Key with max 6 character

Customer last name with 35 max character

Customer first name with 35 max character

Customer street address with 20 max character

city customer leaves in with 15 max character

state with 2 max character

membership status as an Elite, Elite Plus and MY Best buy member with max character with 10

employee number which is related to first table to know who helped the customer. To join two table together.

Table no 3 ORDERS

This table contain order number and date which is received by individual customer with their rewards number

Order number which is primary key

Order date which order is received by

Customer with rewards number with max 6 character

Reward number join with table 2 which is primary in table 2

Table no 4 item

This table contain the item is order by customer and their category and price

SKU number as a identification no for each product with max character of 6

Item name to discrive the item in 30 max character

Total on hand in decimal 4.0

Catogroy with max character 10

Price of the product

Sale price of the product

Order num which is connecting to order table

1. “Display” Procedures for table BBY\_Customer

Display Procedure Script on BBY\_CUSTOMER TABLE FOR

BBY\_CUSTOMER.FIRST\_NAME, BBY\_CUSTOMER.LAST\_NAME, BBY\_CUSTOMER.CITY, MAMBER\_STATUS, SALE\_REP.FIRST\_NAME

Parameters are

@I\_CUS\_FIRST\_NAME **Char**(35),

@I\_CUS\_LAST\_NAME **Char** (35),

@I\_CUS\_CITY **Char** (15),

@I\_MAMBER\_STATUS **CHAR** (10),

@I\_REP\_FIRST\_NAME **Char** (15)

1. “INSERT” Stored Procedures for table SALE\_REP

Add new employee to stored procedure by putting EMP\_NUM, SALE\_REP.LAST\_NAME, SALE\_REP.FIRST\_NAME, DIPERTMENT into SALE\_REP table.

Parameter are

@EmpNum **Char** (5) ,

@EmpLastName **Char** (15) = **null**,

@EmpFirstName **Char** (15) = **null**,

@EmpDipertment **Char** (15) = **null**

Example: if we execute **EXEC** Add\_NewEmployee '59859', 'Style', 'Foulds', 'Computer' we will get this new employee added to the store procedure table

1. “UPDATE” Procedures for table SALE\_REP

if a employee promote to different department we can Update DIPERTMENT FOR EMPLOYEE by using this procedure. We can update this person by just using his/her EMP\_NUM.

parameter are

@EmpNum **char** (5),

@EmpDipertment **Char** (15) = **null**

example: by using this script we can update Sufi Noor department from Mobile to Computer

**EXEC** Update\_EmpDipertment '94915', 'Computer'

1. “DELETE” stored procedure for table SALE\_REP

we can delete any employee from SALE\_REP table if any employee was terminated by employer. We can use EMP\_NUM by delete the whole row. By using procedure name we can delete employee 59859 Emp\_Termination 59859

1. “INSERT” stored procedure for table BBY\_Customer

add customer to the table by using this procedure. We are inserting those information for customer:

REWARD\_NUM, BBY\_CUSTOMER.LAST\_NAME, BBY\_CUSTOMER.FIRST\_NAME, MAMBER\_STATUS

Parameters are:

@RewardNum **Char** (6),

@CusLastName **Char** (35) = **null**,

@CusFirstName **Char** (35) = **null**,

@MamberStatus **Char** (10) = MyBBY

if member status was not put in it will be defalt to MyBBY

that’s the membership for new customer

1. “UPDATE” store procedure for table BBY\_Customer

By using this procedure, we are updating membership status.

If a customer qualify, we reward them by changing their member status “Elite” or “Elite Plus”.

Parameter are:

@RewardNum **char** (6),

@MamberStatus **Char** (10) = MyBBy

we can update it by using Customer REWARD\_NUM

1. “DELETE” Store Procedure for table BBY\_Customer

if a customer request to be removed for this database we can remove them by deleting them by using this procedure.

We can use customer REWARD\_NUM to delete their information form Best Buy Database

1. “INSERT” store procedure for table ORDERS

this procedure receive order and put it into table. Which has ORDER\_NUM, ORDER\_DATE, REWARD\_NUM

Parameters are:

@orderNum **char**(5) = **NULL**,

@orderDate **date** = **NULL**,

@RewardNum **char** (6) = **NULL**

1. “UPDATE” Store Procedure for table ORDERS

we can update the order date by using this store procedure. By using ORDER\_NUM and new date we can change the date for certain order.

Parameters are

@I\_ORDER\_NUM **char**(5),

@I\_ORDER\_DATE **date**

1. “Delete” Store procedure for table ORDERS

we can Delete entire order based on the ORDER\_NUM if a customer cancel the order.

1. “INSERT” store procedure for table PRODUCT

we can add product by this procedure. If new tv, New Phone, comes in we need to add it to the new product line and give it a new :

SKU\_NUM, PRODUCT\_NAME, CATEGORY, and set the PRICE

Parameters are:

@ProductSKU **Char** (7) ,

@ProductName **Char** (30) = **null**,

@ProductCAT **Char** (15) = **null**,

@ProductPrice **decimal** (6,2) = **null**

1. “Update” Store Procedure for table product

this procedure let you update the price for product, if the price is change for the product. We can update the price based on SKU\_NUM.

parameters are:

@ProductSKU **Char** (7) ,

@ProductPrice **Decimal** (6,2) = **null**

1. “DELETE” Store Procedure for table product

this procedure let you delete entire product if the product is no longer available for customer. We can use SKU\_NUM to delete the product.