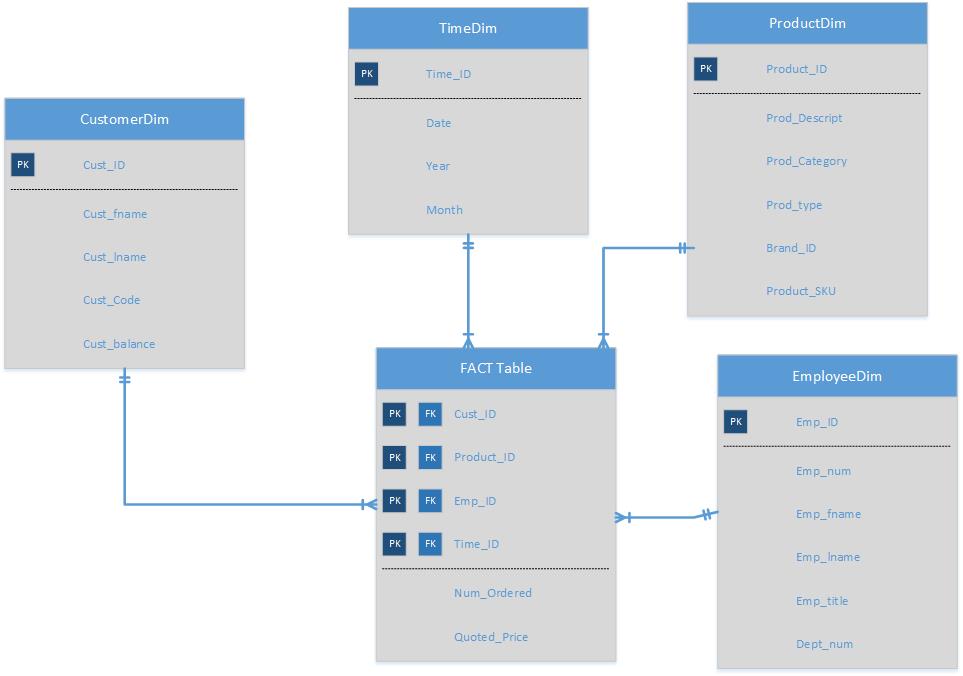
Trisia Baltazar

Due:11/27/17

A10 part A

CIS 310-02



--A10 part B-1

--DIMENSION TABLES

CREATE TABLE PRODUCTDIM

(

PRODUCTID INT IDENTITY NOT NULL,

PROD\_SKU VARCHAR(50) NOT NULL,

PROD\_DESCRIPT VARCHAR(100) NOT NULL,

PROD\_TYPE VARCHAR(50) NOT NULL,

BRAND\_ID INT NOT NULL,

BRAND\_NAME VARCHAR (50) NOT NULL,

BRAND\_TYPE VARCHAR (50) NOT NULL,

)

CREATE TABLE TIMEDIM

(

TIMEID INT IDENTITY NOT NULL,

INV\_DATE DATETIME NOT NULL,

YEAR INT NOT NULL,

MONTH INT NOT NULL,

QUARTER INT NOT NULL

)

CREATE TABLE CUSTOMERDIM

(

CUSTOMERID INT IDENTITY NOT NULL,

CUST\_CODE INT NOT NULL,

CUST\_FNAME VARCHAR(50) NOT NULL,

CUST\_LNAME VARCHAR (50) NOT NULL,

CUST\_CITY VARCHAR (50) NOT NULL,

CUST\_STATE VARCHAR (50) NOT NULL,

CUST\_ZIP INT NOT NULL

)

CREATE TABLE EMPLOYEEDIM

(

EMPLOYEEID INT IDENTITY NOT NULL,

EMP\_NUM INT NOT NULL,

EMP\_FNAME VARCHAR(50) NOT NULL,

EMP\_LNAME VARCHAR (50) NOT NULL,

EMP\_TITLE VARCHAR (50) NOT NULL,

DEPT\_NUM INT NOT NULL,

DEPT\_NAME VARCHAR(50) NOT NULL

)

CREATE TABLE FACT

(

PRODUCTID INT NOT NULL,

TIMEID INT NOT NULL,

CUSTOMERID INT NOT NULL,

EMPLOYEEID INT NOT NULL,

LINE\_QTY NUMERIC(18,0) NULL,

LINE\_PRICE NUMERIC (8,2) NULL

)

CREATE TABLE STAGING

(

PRODUCTID INT ,

TIMEID INT ,

CUSTOMERID INT ,

EMPLOYEEID INT ,

PROD\_SKU VARCHAR(50) ,

INV\_DATE DATETIME ,

CUST\_CODE INT ,

EMP\_NUM INT ,

LINE\_QTY NUMERIC(18,0) ,

LINE\_PRICE NUMERIC (8,2)

)

--TABLE ALTERS

ALTER TABLE PRODUCTDIM

ADD CONSTRAINT PK\_PRODUCT PRIMARY KEY (PRODUCTID)

ALTER TABLE TIMEDIM

ADD CONSTRAINT PK\_TIME PRIMARY KEY (TIMEID)

ALTER TABLE CUSTOMERDIM

ADD CONSTRAINT PK\_CUSTOMER PRIMARY KEY (CUSTOMERID)

ALTER TABLE EMPLOYEEDIM

ADD CONSTRAINT PK\_EMPLOYEE PRIMARY KEY (EMPLOYEEID)

ALTER TABLE FACT

ADD CONSTRAINT PK\_FACT PRIMARY KEY (PRODUCTID, TIMEID, CUSTOMERID, EMPLOYEEID),

CONSTRAINT FK\_FACT\_PRODUCT FOREIGN KEY (PRODUCTID) REFERENCES PRODUCTDIM,

CONSTRAINT FK\_FACT\_TIME FOREIGN KEY (TIMEID) REFERENCES TIMEDIM,

CONSTRAINT FK\_FACT\_CUSTOMER FOREIGN KEY (CUSTOMERID) REFERENCES CUSTOMERDIM,

CONSTRAINT FK\_FACT\_EMPLOYEE FOREIGN KEY (EMPLOYEEID) REFERENCES EMPLOYEEDIM