**-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SqlDBM: PostgreSQL \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**-- \* Generated by SqlDBM: business\_analysis, v12 by amrijit.biswas01@northsouth.edu \***

**--CREATE SCHEMA "public";**

**CREATE SCHEMA ecomdb;**

**-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*dimension tables\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**CREATE TABLE ecomdb.Trans\_dim**

**(**

**payment\_key varchar(50) NOT NULL,**

**trans\_type varchar(50) NOT NULL,**

**bank\_name text NOT NULL,**

**CONSTRAINT PK\_2 PRIMARY KEY ( payment\_key )**

**);**

**CREATE TABLE ecomdb.Item\_dim**

**(**

**item\_key varchar(50) NOT NULL,**

**item\_name text NOT NULL,**

**description text NOT NULL,**

**unit\_price double precision NOT NULL,**

**man\_country varchar(50) NOT NULL,**

**supplier text NOT NULL,**

**unit varchar(50) NOT NULL,**

**CONSTRAINT PK\_3 PRIMARY KEY ( item\_key )**

**);**

**CREATE TABLE ecomdb.Store\_dim**

**(**

**store\_key varchar(10) NOT NULL,**

**division varchar(50) NOT NULL,**

**district text NOT NULL,**

**upazila text NOT NULL,**

**CONSTRAINT PK\_4 PRIMARY KEY ( store\_key )**

**);**

**CREATE TABLE ecomdb.Time\_dim**

**(**

**time\_key varchar(50) NOT NULL,**

**"date" timestamp with time zone NOT NULL,**

**hour integer NOT NULL,**

**day integer NOT NULL,**

**week varchar(50) NOT NULL,**

**month integer NOT NULL,**

**quarter varchar(50) NOT NULL,**

**year integer NOT NULL,**

**CONSTRAINT PK\_5 PRIMARY KEY ( time\_key )**

**);**

**CREATE TABLE ecomdb.Coustomer\_dim**

**(**

**coustomer\_key varchar(50) NOT NULL,**

**name text NOT NULL,**

**contact\_no varchar(50) NOT NULL,**

**nid numeric NOT NULL,**

**CONSTRAINT PK\_6 PRIMARY KEY ( coustomer\_key )**

**);**

**-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*selldmb.Fact\_table\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**CREATE TABLE ecomdb.Fact\_table**

**(**

**payment\_key varchar(50) NOT NULL,**

**item\_key varchar(50) NOT NULL,**

**store\_key varchar(50) NOT NULL,**

**time\_key varchar(50) NOT NULL,**

**coustomer\_key varchar(50) NOT NULL,**

**quantity integer NOT NULL,**

**unit varchar(50) NOT NULL,**

**unit\_price double precision NOT NULL,**

**total\_price double precision NOT NULL,**

**CONSTRAINT PK\_1 PRIMARY KEY ( payment\_key, item\_key, store\_key, time\_key, coustomer\_key ),**

**CONSTRAINT FK\_1 FOREIGN KEY ( payment\_key ) REFERENCES ecomdb.Trans\_dim ( payment\_key ),**

**CONSTRAINT FK\_2 FOREIGN KEY ( item\_key ) REFERENCES ecomdb.Item\_dim ( item\_key ),**

**CONSTRAINT FK\_3 FOREIGN KEY ( store\_key ) REFERENCES ecomdb.Store\_dim ( store\_key ),**

**CONSTRAINT FK\_4 FOREIGN KEY ( time\_key ) REFERENCES ecomdb.Time\_dim ( time\_key ),**

**CONSTRAINT FK\_5 FOREIGN KEY ( coustomer\_key ) REFERENCES ecomdb.Coustomer\_dim ( coustomer\_key )**

**);**

**CREATE INDEX FK\_1 ON ecomdb.Fact\_table**

**(**

**payment\_key**

**);**

**CREATE INDEX FK\_2 ON ecomdb.Fact\_table**

**(**

**item\_key**

**);**

**CREATE INDEX FK\_3 ON ecomdb.Fact\_table**

**(**

**store\_key**

**);**

**CREATE INDEX FK\_4 ON ecomdb.Fact\_table**

**(**

**time\_key**

**);**

**CREATE INDEX FK\_5 ON ecomdb.Fact\_table**

**(**

**coustomer\_key**

**);**