**SQL Statements**

CREATE TABLE USER (

USER\_ID VARCHAR(20) NOT NULL,

PASSWORD CHAR(32) NOT NULL,

EMAIL VARCHAR(40),

EMPLOYEE\_ID VARCHAR(20),

ROLE ENUM('Administrator','Buyer','Receiver','Supplier') NOT NULL,

SUPPLIER\_ID INT(10),

PRIMARY KEY (USER\_ID),

FOREIGN KEY (ROLE) REFERENCES USER\_ROLE(ROLE\_NAME),

FOREIGN KEY (SUPPLIER\_ID) REFERENCES SUPPLIER(SUPPLIER\_ID)

);

CREATE TABLE SUPPLIER (

SUPPLIER\_ID INT(10) NOT NULL AUTO\_INCREMENT,

NAME VARCHAR(50) NOT NULL,

LEGAL\_NAME VARCHAR(50),

LEAD\_TIME VARCHAR(20),

SUPPLIER\_COMMENT TEXT,

SPECIAL\_COMMENT TEXT,

PRIMARY KEY (SUPPLIER\_ID)

);

CREATE TABLE CONTACT\_PERSON (

CONTACT\_PERSON\_ID INT(10) NOT NULL AUTO\_INCREMENT,

SUPPLIER\_ID INT(10) NOT NULL,

LAST\_NAME VARCHAR(30) NOT NULL,

FIRST\_NAME VARCHAR(30),

PHONE\_NUMBER CHAR(10),

EMAIL VARCHAR (50),

PRIMARY KEY (CONTACT\_PERSON\_ID),

FOREIGN KEY (SUPPLIER\_ID)REFERENCES SUPPLIER (SUPPLIER\_ID) ON DELETE CASCADE

);

CREATE TABLE SUPPLIER\_ADDRESS (

ADDRESS\_ID INT(10) NOT NULL AUTO\_INCREMENT,

SUPPLIER\_ID INT(10) NOT NULL,

ADDRESS\_LINE\_1 VARCHAR(50),

ADDRESS\_LINE\_2 VARCHAR(50),

CITY VARCHAR(50),

PROV\_STATE VARCHAR(30),

COUNTRY VARCHAR(30),

POSTAL\_ZIP VARCHAR(10),

PHONE\_NUMBER CHAR(10),

PRIMARY KEY (ADDRESS\_ID),

FOREIGN KEY (SUPPLIER\_ID) REFERENCES SUPPLIER(SUPPLIER\_ID) ON DELETE CASCADE

);

CREATE TABLE DAYS\_OF\_DELIVERY (

SUPPLIER\_ID INT(10) NOT NULL,

DAY ENUM('Monday','Tuesday','Wednesday','Thursday','Friday','Saturday','Sunday') NOT NULL,

PRIMARY KEY (SUPPLIER\_ID, DAY),

FOREIGN KEY (SUPPLIER\_ID) REFERENCES SUPPLIER(SUPPLIER\_ID) ON DELETE CASCADE,

);

CREATE TABLE ITEM\_CATEGORY (

CAT\_NAME VARCHAR(20) NOT NULL,

COMMENT TEXT,

PRIMARY KEY (CAT\_NAME)

);

CREATE TABLE ITEM (

ITEM\_ID INT(6) NOT NULL AUTO\_INCREMENT = 65000,

DIST\_CODE VARCHAR(15),

ITEM\_NAME VARCHAR(30) NOT NULL,

RECEIPT\_NAME VARCHAR(20),

CATEGORY VARCHAR(20),

UNIT VARCHAR(20),

ITEM\_TYPE ENUM('Market','Bistro','Catering') NOT NULL,

COMMENT TEXT,

LATEST\_PRICE INT(10),

SUPPLIER\_ID INT(10) NOT NULL,

U\_ACTIVE\_INA VARCHAR(50),

U\_BIZERBA VARCHAR(50),

U\_BRAND VARCHAR(50),

U\_CASE\_SIZE VARCHAR(50),

U\_MINOR\_REPO VARCHAR(50),

U\_COOKING\_IN VARCHAR(50),

U\_COUNTRY VARCHAR(50),

U\_DATE\_CREAT VARCHAR(50),

U\_DATE\_MODIF VARCHAR(50),

U\_DESCRIPTO TEXT,

U\_EXPIRY\_DAT VARCHAR(50),

U\_INGREDIENT VARCHAR(50),

U\_KEYWORDS VARCHAR(50),

U\_NOTES TEXT,

U\_ORDER VARCHAR(50),

U\_PLU VARCHAR(50),

U\_PRICE DECIMAL(10,2),

U\_SILVERWARE VARCHAR(50),

U\_SKU VARCHAR(50),

U\_STORAGE VARCHAR(50),

U\_STORAGE\_TY VARCHAR(50),

U\_TYPE VARCHAR(50),

U\_UPC\_CODE VARCHAR(50),

U\_USERNAME\_C VARCHAR(50),

U\_USERNAME\_M VARCHAR(50),

U\_PRICE\_PER DECIMAL(10,2),

U\_TAX VARCHAR(50),

U\_SCALE VARCHAR(50),

PRIMARY KEY (ITEM\_ID),

FOREIGN KEY (CATEGORY) REFERENCES ITEM\_CATEGORY(CAT\_NAME) ON UPDATE CASCADE,

FOREIGN KEY (LATEST\_PRICE) REFERENCES PRICE\_HISTORY(PRICE\_ID),

FOREIGN KEY (SUPPLIER\_ID) REFERENCES SUPPLIER(SUPPLIER\_ID) ON DELETE CASCADE

);

ALTER TABLE ITEM AUTO\_INCREMENT = 65000;

CREATE TABLE PRICE\_HISTORY (

PRICE\_ID INT(10) NOT NULL AUTO\_INCREMENT,

ITEM\_ID INT(6) NOT NULL,

PRICE DECIMAL (8,2) NOT NULL,

AUTHOR VARCHAR(20) NOT NULL,

LOG\_DATE DATETIME,

PRIMARY KEY (PRICE\_ID),

FOREIGN KEY (ITEM\_ID) REFERENCES ITEM(ITEM\_ID) ON DELETE CASCADE,

FOREIGN KEY (SUPPLIER\_ID) REFERENCES SUPPLIER(SUPPLIERID),

FOREIGN KEY (AUTHOR) REFERENCES USER(USER\_ID)

);

CREATE TABLE PURCHASE\_ORDER (

PO\_ID INT(10) NOT NULL AUTO\_INCREMENT,

STATUS ENUM('Queued','Submitted','Received','Returned','Cancelled') NOT NULL,

CREATE\_DATE DATETIME NOT NULL,

SUBMIT\_DATE DATETIME,

DELIVERY\_DATE DATE,

DELIVERY\_TIME CHAR(10),

RECEIVE\_DATE DATETIME,

REF\_NUMBER VARCHAR(10),

COMMENT TEXT,

SUPPLIER\_ID INT(10) NOT NULL,

PRIMARY KEY (PO\_ID),

FOREIGN KEY (SUPPLIER\_ID) REFERENCES SUPPLIER(SUPPLIER\_ID)

);

CREATE TABLE PO\_LINE (

PO\_ID INT(10) NOT NULL AUTO\_INCREMENT,

PO\_LINE\_ID INT(3) NOT NULL,

ITEM\_ID INT(6) NOT NULL,

QTY\_ORDERED INT(10) NOT NULL,

QTY\_RECEIVED INT(10),

COMMENT TEXT,

AUTHOR VARCHAR(20) NOT NULL,

PRICE\_ID INT(10) NOT NULL,

PRIMARY KEY (PO\_ID, PO\_LINE\_ID),

FOREIGN KEY (PO\_ID) REFERENCES PURCHASE\_ORDER(PO\_ID) ON DELETE CASCADE,

FOREIGN KEY (ITEM\_ID) REFERENCES ITEM(ITEM\_ID),

FOREIGN KEY (AUTHOR) REFERENCES USER(USER\_ID),

FOREIGN KEY (PRICE\_ID) REFERENCES PRICE\_HISTORY(PRICE\_ID)

);

CREATE TABLE RETURN\_LINE (

PO\_ID INT(10) NOT NULL,

RETURN\_LINE\_ID INT(3) NOT NULL,

PO\_LINE\_ID INT(3) NOT NULL,

RETURN\_DATE DATE NOT NULL,

QTY\_RETURNED INT(10) NOT NULL,

CREDIT\_MEMO\_NUM VARCHAR(20),

COMMENT TEXT,

AUTHOR VARCHAR(20) NOT NULL,

PRIMARY KEY (PO\_ID, RETURN\_LINE\_ID),

FOREIGN KEY (PO\_ID) REFERENCES PURCHASE\_ORDER(PO\_ID) ON DELETE CASCADE,

FOREIGN KEY (PO\_LINE\_ID) REFERENCES PO\_LINE(PO\_LINE\_ID),

FOREIGN KEY (AUTHOR) REFERENCES USER(USER\_ID)

);

CREATE TABLE USER\_HISTORY (

ENTRY\_ID INT(10) NOT NULL AUTO\_INCREMENT,

USER\_ID VARCHAR(20) NOT NULL,

CATEGORY VARCHAR(10) NOT NULL,

COMMENT TEXT,

AUTHOR VARCHAR(20) NOT NULL,

LOG\_DATE DATETIME,

PRIMARY KEY (ENTRY\_ID),

FOREIGN KEY (USER\_ID) REFERENCES USER(USER\_ID),

FOREIGN KEY (AUTHOR) REFERENCES USER(USER\_ID)

);

CREATE TABLE SUPPLIER\_HISTORY (

ENTRY\_ID INT(10) NOT NULL AUTO\_INCREMENT,

SUPPLIER\_ID INT(10) NOT NULL,

CATEGORY VARCHAR(10) NOT NULL,

COMMENT TEXT,

AUTHOR VARCHAR(20) NOT NULL,

LOG\_DATE DATETIME NOT NULL,

PRIMARY KEY (ENTRY\_ID),

FOREIGN KEY (SUPPLIER\_ID) REFERENCES SUPPLIER(SUPPLIER\_ID),

FOREIGN KEY (AUTHOR) REFERENCES USER(USER\_ID)

);

CREATE TABLE ITEM\_HISTORY (

ENTRY\_ID INT(10) NOT NULL AUTO\_INCREMENT,

ITEM\_ID INT(6) NOT NULL,

CATEGORY VARCHAR(10) NOT NULL,

COMMENT TEXT,

AUTHOR VARCHAR(20) NOT NULL,

LOG\_DATE DATETIME NOT NULL,

PRIMARY KEY (ENTRY\_ID),

FOREIGN KEY (ITEM\_ID) REFERENCES ITEM(ITEM\_ID),

FOREIGN KEY (AUTHOR) REFERENCES USER(USER\_ID)

);

CREATE TABLE PO\_HISTORY (

ENTRY\_ID INT(10) NOT NULL AUTO\_INCREMENT,

PO\_ID INT(10) NOT NULL,

CATEGORY VARCHAR(10) NOT NULL,

COMMENT TEXT,

AUTHOR VARCHAR(20) NOT NULL,

LOG\_DATE DATETIME NOT NULL,

PRIMARY KEY (ENTRY\_ID),

FOREIGN KEY (PO\_ID) REFERENCES PURCHASE\_ORDER(PO\_ID),

FOREIGN KEY (AUTHOR) REFERENCES USER(USER\_ID)

);