

Resturant management system

CREATE TABLE RESTAURANT

```
(  
  Restaurantid          INT NOT NULL,  
  Restaurantname        CHAR(50) NOT NULL,  
  Restaurantlocation    CHAR(50) NOT NULL,  
  CONSTRAINT PK_RESTAURANT PRIMARY KEY (restaurantid)  
)
```

CREATE TABLE MENU

```
(  
  Menuid                INT NOT NULL,  
  Restaurantid          INT NOT NULL,  
  CONSTRAINT PK_MENU    PRIMARY KEY(menuid),  
  CONSTRAINT FK_M_REST  FOREIGN KEY( restaurantid)  
  REFERENCES RESTAURANT(restaurantid)  
  ON DELETE CASCADE ON UPDATE CASCADE  
)
```

CREATE TABLE CUSTORDER

```
(  
  Orderid               INT NOT NULL,  
  Restaurantid          INT NOT NULL,  
  Customername          CHAR(50) NOT NULL,  
  Dateoforder           DATE NOT NULL,  
  Timeoforder           TIME NOT NULL,  
  CONSTRAINT PK_CUSTORDER PRIMARY KEY(orderid),  
  CONSTRAINT FK_CO_REST  FOREIGN KEY( restaurantid)
```

```
REFERENCES RESTAURANT(restaurantid)
ON DELETE CASCADE ON UPDATE CASCADE
)
```

```
CREATE TABLE INGREDIENT
(
Ingredientid INT NOT NULL,
Ingredientname CHAR(50) NOT NULL,
Expirationdate DATE NOT NULL,
CONSTRAINT PK_INGREDIENT PRIMARY KEY(ingredientid)
)
```

```
CREATE TABLE ITEM
(
Itemid INT NOT NULL,
Itemname CHAR(50) NOT NULL,
Menuid INT NOT NULL,
Price FLOAT NOT NULL,
CONSTRAINT PK_ITEM PRIMARY KEY( itemid),
CONSTRAINT FK_I_MENU FOREIGN KEY( menuid)
REFERENCES MENU (menuid)
ON DELETE CASCADE ON UPDATE CASCADE
)
```

```
CREATE TABLE ITEMSOFCUSTORDER
(
Itemid INT NOT NULL,
```

```

Orderid          INT NOT NULL,
Amount           INT NOT NULL,
CONSTRAINT PK_ITEMSOF CUSTORDER    PRIMARY KEY(itemid,orderid),
CONSTRAINT FK_IC_ITEM               FOREIGN KEY(itemid)
REFERENCES ITEM(itemid)
ON DELETE NO ACTION ON UPDATE NO ACTION,
CONSTRAINT FK_IC_CUST               FOREIGN KEY(orderid)
REFERENCES CUSTORDER(orderid)
ON DELETE NO ACTION ON UPDATE NO ACTION
)

```

```

CREATE TABLE INVENTORY
(
Ingredientid  INT NOT NULL,
Restaurantid  INT NOT NULL,
Stock         INT NOT NULL,
CONSTRAINT PK_INVENTORY    PRIMARY KEY(ingredientid,restaurantid),
CONSTRAINT FK_I_INGRED     FOREIGN KEY(ingredientid)
REFERENCES INGREDIENT(ingredientid)
ON DELETE CASCADE ON UPDATE CASCADE,
CONSTRAINT FK_I_REST       FOREIGN KEY(restaurantid)
REFERENCES RESTAURANT(restaurantid)
ON DELETE CASCADE ON UPDATE CASCADE
)

```

```

CREATE TABLE INGREDIENTSOFITEM

```

```
(  
Ingredientid INT NOT NULL,  
Itemid INT NOT NULL,  
CONSTRAINT PK_INGREDIENTSOFITEM PRIMARY KEY(ingredientid,  
itemid),  
CONSTRAINT FK_II_INGRED FOREIGN KEY(ingredientid)  
REFERENCES INGREDIENT(ingredientid)  
ON DELETE CASCADE ON UPDATE CASCADE,  
CONSTRAINT FK_II_ITEM FOREIGN KEY( itemid)  
REFERENCES ITEM(itemid)  
ON DELETE CASCADE ON UPDATE CASCADE  
)
```