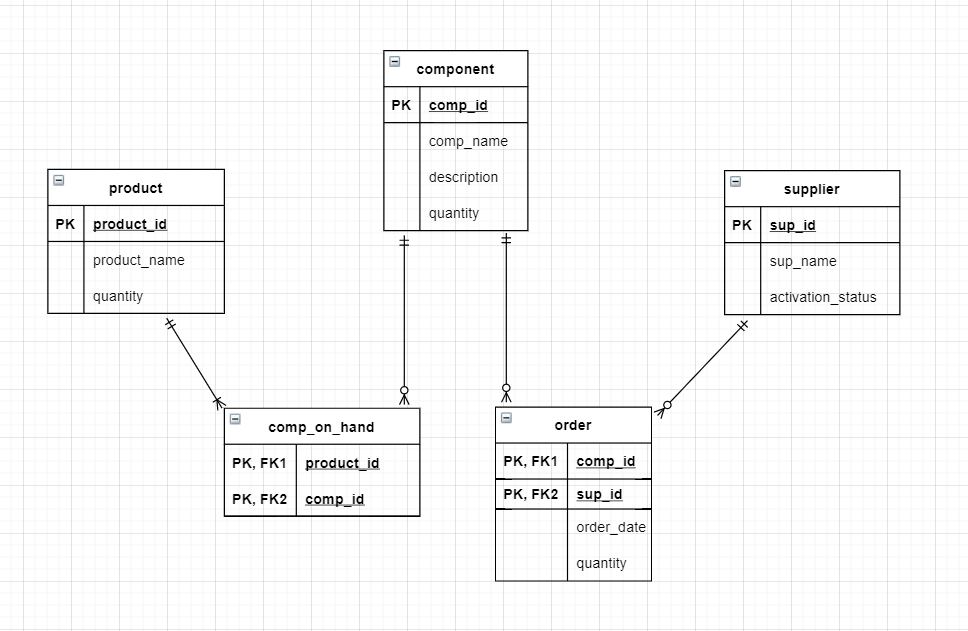
**CHARLIES CHOCOLATE FACTORY ENTITY RELATION DIAGRAM**



CREATE DATABASE Manufacturer;

USE Manufacturer

CREATE TABLE Product

(

product\_id INT,

product\_name VARCHAR(MAX),

quantity INT

PRIMARY KEY (product\_id)

)

CREATE TABLE Component

(

comp\_id INT PRIMARY KEY,

comp\_name VARCHAR(MAX),

description VARCHAR(MAX),

quantity INT

);

CREATE TABLE Supplier

(

sup\_id INT,

sup\_name VARCHAR(MAX),

activation\_status BIT,

PRIMARY KEY (sup\_id)

)

CREATE TABLE Comp\_On\_Hand

(

product\_id INT,

comp\_id INT,

PRIMARY KEY (product\_id, comp\_id),

FOREIGN KEY (product\_id) REFERENCES Product (product\_id),

FOREIGN KEY (comp\_id) REFERENCES Component (comp\_id)

)

CREATE TABLE Order

(

comp\_id INT,

sup\_id INT,

order\_date DATE,

quantity INT,

PRIMARY KEY (comp\_id, sup\_id),

FOREIGN KEY (sup\_id) REFERENCES Supplier (sup\_id),

FOREIGN KEY (comp\_id) REFERENCES Component (comp\_id)

)

