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CREATE TABLE Manufacturer (  
    manuId CHAR(10) PRIMARY KEY,  
    manufacturer_name VARCHAR(100) NOT NULL  
);  
  
CREATE TABLE ProductType (  
    productType_id CHAR(10) PRIMARY KEY,  
    productType VARCHAR(100) NOT NULL  
);  
  
CREATE TABLE Product (  
    id CHAR(10) PRIMARY KEY,  
    title VARCHAR(150) NOT NULL,  
    price DECIMAL(10, 2),  
    color VARCHAR(50),  
    size VARCHAR(50),  
    quantity INT,  
    manuId CHAR(10), productType_id CHAR(10),  
    FOREIGN KEY (manuId) REFERENCES Manufacturer(manuId),  
    FOREIGN KEY (productType_id) REFERENCES ProductType(productType_id)  
);  
  
CREATE TABLE AppUser (  
    user_id CHAR(10) PRIMARY KEY,  
    username VARCHAR(100) NOT NULL UNIQUE,  
    password VARCHAR(255) NOT NULL,  
    role VARCHAR(50) NOT NULL  
);
```