IF *DB\_ID*('fashion\_store') IS NOT NULL  
 DROP DATABASE fashion\_store;  
GO  
  
CREATE DATABASE fashion\_store;  
GO  
USE fashion\_store;  
GO  
  
CREATE TABLE users  
(  
 user\_id INT IDENTITY (1,1) PRIMARY KEY,  
 full\_name NVARCHAR(100),  
 email NVARCHAR(100) UNIQUE,  
 password\_hash NVARCHAR(255),  
 phone NVARCHAR(20),  
 address NVARCHAR(MAX),  
 status NVARCHAR(20) DEFAULT 'active'  
 CHECK (status IN ('active', 'inactive', 'banned')),  
 role NVARCHAR(20) DEFAULT 'customer'  
 CHECK (role IN ('customer', 'admin')),  
 created\_at DATETIME DEFAULT *GETDATE*()  
);  
  
CREATE TABLE categories  
(  
 category\_id INT IDENTITY (1,1) PRIMARY KEY,  
 category\_name NVARCHAR(100),  
 description NVARCHAR(MAX),  
 status NVARCHAR(20) DEFAULT 'active' CHECK (status IN ('active', 'inactive')),  
 created\_at DATETIME DEFAULT *GETDATE*(),  
 updated\_at DATETIME DEFAULT *GETDATE*()  
);  
  
CREATE TABLE products  
(  
 product\_id INT IDENTITY (1,1) PRIMARY KEY,  
 category\_id INT,  
 name NVARCHAR(200),  
 description NVARCHAR(MAX),  
 price DECIMAL(10, 2) DEFAULT 0,  
 stock INT DEFAULT 0,  
 status NVARCHAR(20) DEFAULT 'active' CHECK (status IN ('active', 'inactive')),  
 created\_at DATETIME DEFAULT *GETDATE*(),  
 updated\_at DATETIME DEFAULT *GETDATE*(),  
 FOREIGN KEY (category\_id) REFERENCES categories (category\_id)  
);  
  
CREATE TABLE product\_images  
(  
 image\_id INT IDENTITY (1,1) PRIMARY KEY,  
 product\_id INT NOT NULL,  
 image\_url NVARCHAR(255) NOT NULL,  
 is\_main BIT DEFAULT 0,  
 FOREIGN KEY (product\_id) REFERENCES products (product\_id) ON DELETE CASCADE  
);  
  
CREATE TABLE product\_variants  
(  
 variant\_id INT IDENTITY (1,1) PRIMARY KEY,  
 product\_id INT,  
 size NVARCHAR(10),  
 color NVARCHAR(50),  
 additional\_price DECIMAL(10, 2) DEFAULT 0,  
 stock INT DEFAULT 0,  
 FOREIGN KEY (product\_id) REFERENCES products (product\_id) ON DELETE CASCADE  
);  
  
CREATE TABLE orders  
(  
 order\_id INT IDENTITY (1,1) PRIMARY KEY,  
 user\_id INT,  
 order\_status NVARCHAR(20) DEFAULT 'pending'  
 CHECK (order\_status IN ('pending', 'processing', 'shipped', 'delivered', 'cancelled')),  
 payment\_status NVARCHAR(20) DEFAULT 'unpaid' CHECK (payment\_status IN ('unpaid', 'paid')),  
 total\_amount DECIMAL(10, 2),  
 shipping\_address NVARCHAR(MAX),  
 created\_at DATETIME DEFAULT *GETDATE*(),  
 FOREIGN KEY (user\_id) REFERENCES users (user\_id)  
);  
  
CREATE TABLE order\_items  
(  
 order\_item\_id INT IDENTITY (1,1) PRIMARY KEY,  
 order\_id INT,  
 product\_id INT,  
 variant\_id INT,  
 quantity INT,  
 price DECIMAL(10, 2),  
 FOREIGN KEY (order\_id) REFERENCES orders (order\_id) ON DELETE CASCADE,  
 FOREIGN KEY (product\_id) REFERENCES products (product\_id),  
 FOREIGN KEY (variant\_id) REFERENCES product\_variants (variant\_id)  
);  
  
CREATE TABLE reviews  
(  
 review\_id INT IDENTITY (1,1) PRIMARY KEY,  
 product\_id INT,  
 user\_id INT,  
 rating INT CHECK (rating BETWEEN 1 AND 5),  
 comment NVARCHAR(MAX),  
 created\_at DATETIME DEFAULT *GETDATE*(),  
 FOREIGN KEY (product\_id) REFERENCES products (product\_id) ON DELETE CASCADE,  
 FOREIGN KEY (user\_id) REFERENCES users (user\_id) ON DELETE CASCADE  
);  
  
CREATE TABLE cart  
(  
 cart\_id INT IDENTITY (1,1) PRIMARY KEY,  
 user\_id INT,  
 created\_at DATETIME DEFAULT *GETDATE*(),  
 updated\_at DATETIME DEFAULT *GETDATE*(),  
 FOREIGN KEY (user\_id) REFERENCES users (user\_id) ON DELETE CASCADE  
);  
  
CREATE TABLE cart\_items  
(  
 cart\_item\_id INT IDENTITY (1,1) PRIMARY KEY,  
 cart\_id INT,  
 product\_id INT,  
 variant\_id INT,  
 quantity INT CHECK (quantity > 0),  
 price DECIMAL(10, 2),  
 FOREIGN KEY (cart\_id) REFERENCES cart (cart\_id) ON DELETE CASCADE,  
 FOREIGN KEY (product\_id) REFERENCES products (product\_id),  
 FOREIGN KEY (variant\_id) REFERENCES product\_variants (variant\_id)  
);  
  
CREATE TABLE product\_comments  
(  
 comment\_id INT IDENTITY (1,1) PRIMARY KEY,  
 product\_id INT,  
 user\_id INT,  
 parent\_id INT,  
 content NVARCHAR(MAX),  
 created\_at DATETIME DEFAULT *GETDATE*(),  
 FOREIGN KEY (product\_id) REFERENCES products (product\_id) ON DELETE CASCADE,  
 FOREIGN KEY (user\_id) REFERENCES users (user\_id) ON DELETE CASCADE,  
 FOREIGN KEY (parent\_id) REFERENCES product\_comments (comment\_id) ON DELETE CASCADE  
);