**Sql Script**

**1. Entity relationship diagram**

A diagram of a flowchart

Description automatically generated

**2. Database schema**

A diagram of a company

Description automatically generated with medium confidence

**3. SQL script code**

CREATE TABLE Media (

    id INT NOT NULL,

    title VARCHAR(100),

    categoryType VARCHAR(50),

    value INT NOT NULL,

    price INT NOT NULL,

    quantity INT,

    imageURL VARCHAR(200)

);

ALTER TABLE Media

ADD CONSTRAINT PK\_Media PRIMARY KEY (id);

CREATE TABLE PaymentTransaction (

    id INT NOT NULL,

    content VARCHAR(200) NOT NULL,

    bankName VARCHAR(50) NOT NULL,

    method VARCHAR(200) NOT NULL,

    status VARCHAR(50) NOT NULL,

    time DATETIME NOT NULL,

);

ALTER TABLE PaymentTransaction

ADD CONSTRAINT PK\_PaymentTransaction PRIMARY KEY (id);

CREATE TABLE Invoice (

    id INT NOT NULL,

    order\_id INT NOT NULL,

    totalAmount INT NOT NULL,

    vat INT NOT NULL,

    paymentTransaction\_id INT NOT NULL

);

ALTER TABLE Invoice

ADD CONSTRAINT PK\_Invoice PRIMARY KEY (id);

CREATE TABLE Order (

    id INT NOT NULL,

    shippingFees FLOAT NOT NULL,

    delivery\_id INT NOT NULL

);

ALTER TABLE Order

ADD CONSTRAINT PK\_Order PRIMARY KEY (id);

CREATE TABLE DeliveryInformation (

    id INT NOT NULL,

    name VARCHAR(50),

    phone VARCHAR(50) NOT NULL,

    province VARCHAR(2000) NOT NULL,

    address VARCHAR(200) NOT NULL,

);

ALTER TABLE DeliveryInformation

ADD CONSTRAINT PK\_DeliveryInformation PRIMARY KEY (id);

CREATE TABLE ShippingInfomation (

    id INT NOT NULL,

    shippingMethod\_id INT NOT NULL,

    orderMedia\_id INT NOT NULL,

    shippingFee INT NOT NULL

);

ALTER TABLE shippingInfomation

ADD CONSTRAINT PK\_shippingInfomation PRIMARY KEY (id);

CREATE TABLE OrderMedia (

    id INT NOT NULL,

    order\_id INT NOT NULL

    media\_id INT NOT NULL,

    quantity INT NOT NULL,

    price FLOAT NOT NULL

);

ALTER TABLE OrderMedia

ADD CONSTRAINT PK\_OrderMedia PRIMARY KEY (id);

CREATE TABLE RushOrder (

    id INT NOT NULL,

    instruction VARCHAR(2000) NOT NULL,

    deliveryTime DATETIME NOT NULL,

    shippingInfo\_id INT NOT NULL,

    shippingMethod\_id INT NOT NULL,

)

ALTER TABLE RushOrder

ADD CONSTRAINT PK\_RushOrder PRIMARY KEY (id);

CREATE TABLE ShippingMethod (

    id INT NOT NULL,

    name VARCHAR(50) NOT NULL,

    description VARCHAR(2000) NOT NULL,

);

ALTER TABLE ShippingMethod

ADD CONSTRAINT PK\_ShippingMethod PRIMARY KEY (id);

CREATE TABLE MediaShippingMethod (

    id INT NOT NULL,

    shippingMethod\_id INT NOT NULL,

    media\_id INT NOT NULL

);

ALTER TABLE MediaShippingMethod

ADD CONSTRAINT PK\_MediaShippingMethod PRIMARY KEY (id);

ALTER TABLE MediaShippingMethod

ADD CONSTRAINT FK\_MediaShippingMethod\_0 FOREIGN KEY (media\_id) REFERENCES Media (id);

ALTER TABLE MediaShippingMethod

ADD CONSTRAINT FK\_MediaShippingMethod\_1 FOREIGN KEY (shippingMethod\_id) REFERENCES ShippingMethod (id);

ALTER TABLE Order

ADD CONSTRAINT FK\_Order\_0 FOREIGN KEY (deliveryAddress\_id) REFERENCES DeliveryAddress (id);

ALTER TABLE OrderMedia

ADD CONSTRAINT FK\_OrderMedia\_0 FOREIGN KEY (media\_id) REFERENCES Media (id);

ALTER TABLE OrderMedia

ADD CONSTRAINT FK\_OrderMedia\_1 FOREIGN KEY (order\_id) REFERENCES Order (id);

ALTER TABLE ShippingInfomation

ADD CONSTRAINT FK\_ShippingInfomation\_0 FOREIGN KEY (orderMedia\_id) REFERENCES OrderMedia (id);

ALTER TABLE ShippingInfomation

ADD CONSTRAINT FK\_ShippingInfomation\_1 FOREIGN KEY (shippingMethod\_id) REFERENCES ShippingMethod (id);

ALTER TABLE RushOrder

ADD CONSTRAINT FK\_RushOrder\_0 FOREIGN KEY (shippingInfo\_id) REFERENCES ShippingInfomation (id);

ALTER TABLE RushOrder

ADD CONSTRAINT FK\_RushOrder\_1 FOREIGN KEY (shippingMethod\_id) REFERENCES ShippingMethod (id);

ALTER TABLE Invoice

ADD CONSTRAINT FK\_Invoice\_0 FOREIGN KEY (order\_id) REFERENCES Order (id);

ALTER TABLE Invoice

ADD CONSTRAINT FK\_Invoice\_1 FOREIGN KEY (paymentTransaction\_id) REFERENCES PaymentTransaction (id);