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-- SQLite
BEGIN;

CREATE TABLE "Media"(
    "id" INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
    "category" VARCHAR(45) NOT NULL,
    "price" INTEGER NOT NULL,
    "quantity" INTEGER NOT NULL,
    "title" VARCHAR(45) NOT NULL,
    "value" INTEGER NOT NULL,
    "imageUrl" VARCHAR(45) NOT NULL
);

CREATE TABLE "CD"(
    "id" INTEGER PRIMARY KEY NOT NULL,
    "artist" VARCHAR(45) NOT NULL,
    "recordLabel" VARCHAR(45) NOT NULL,
    "musicType" VARCHAR(45) NOT NULL,
    "releasedDate" DATE,

    CONSTRAINT "fk_CD_Media1"
    FOREIGN KEY("id")
    REFERENCES "Media"("id")
);

CREATE TABLE "Book"(
    "id" INTEGER PRIMARY KEY NOT NULL,
    "author" VARCHAR(45) NOT NULL,
    "coverType" VARCHAR(45) NOT NULL,
    "publisher" VARCHAR(45) NOT NULL,
    "publishDate" DATETIME NOT NULL,
    "numOfPages" INTEGER NOT NULL,
    "language" VARCHAR(45) NOT NULL,
    "bookCategory" VARCHAR(45) NOT NULL,

    CONSTRAINT "fk_Book_Media1"
    FOREIGN KEY("id")
    REFERENCES "Media"("id")
);

CREATE TABLE "DeleveryInfo"(
    "id" INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
    "name" VARCHAR(45),
    "province" VARCHAR(45),
    "instructions" VARCHAR(200),

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        "address" VARCHAR(100),
        "rushOrderShippingTime" VARCHAR(100)
    );

CREATE TABLE "DVD"(
    "id" INTEGER PRIMARY KEY NOT NULL,
    "discType" VARCHAR(45) NOT NULL,
    "director" VARCHAR(45) NOT NULL,
    "runtime" INTEGER NOT NULL,
    "studio" VARCHAR(45) NOT NULL,
    "subtitle" VARCHAR(45) NOT NULL,
    "releasedDate" DATETIME,

    CONSTRAINT "fk_DVD_Media1"
    FOREIGN KEY("id")
    REFERENCES "Media"("id")
);

CREATE TABLE "Order"(
    "id" INTEGER NOT NULL,
    "shippingFees" VARCHAR(45),
    "deleveryInfoId" INTEGER NOT NULL,
    "isRushOrder" BOOLEAN NOT NULL,

    PRIMARY KEY("id","deleveryInfoId"),
    CONSTRAINT "fk_Order_DeleveryInfo1"
    FOREIGN KEY("deleveryInfoId")
    REFERENCES "DeleveryInfo"("id")
);

CREATE INDEX "Order.fk_Order_DeleveryInfo1_idx" ON "Order" ("deleveryInfoId");

CREATE TABLE "OrderMedia"(
    "orderId" INTEGER NOT NULL,
    "price" INTEGER NOT NULL,
    "quantity" INTEGER NOT NULL,
    "mediaId" INTEGER NOT NULL,

    PRIMARY KEY("orderId","mediaId"),
    CONSTRAINT "fk_ordermedia_order"
    FOREIGN KEY("orderId")
    REFERENCES "Order"("id"),
    CONSTRAINT "fk_OrderMedia_Media1"
    FOREIGN KEY("mediaId")
    REFERENCES "Media"("id")
);

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);

CREATE INDEX "OrderMedia.fk_ordermedia_order_idx" ON "OrderMedia" ("orderId");

CREATE INDEX "OrderMedia.fk_OrderMedia_Media1_idx" ON "OrderMedia" ("mediaId");

CREATE TABLE "Invoice"(
    "id" INTEGER PRIMARY KEY NOT NULL,
    "totalAmount" INTEGER NOT NULL,
    "orderId" INTEGER NOT NULL,

    CONSTRAINT "fk_Invoice_Order1"
    FOREIGN KEY("orderId")
    REFERENCES "Order"("id")
);

CREATE INDEX "Invoice.fk_Invoice_Order1_idx" ON "Invoice" ("orderId");

CREATE TABLE "PaymentTransaction"(
    "id" INTEGER NOT NULL,
    "createAt" DATETIME NOT NULL,
    "content" VARCHAR(45) NOT NULL,
    "method" VARCHAR(45),
    "cardId" INTEGER NOT NULL,
    "invoiceId" INTEGER NOT NULL,
    PRIMARY KEY("id","cardId","invoiceId"),
    CONSTRAINT "fk_PaymentTransaction_Card1"
    FOREIGN KEY("cardId")
    REFERENCES "Card"("id"),
    CONSTRAINT "fk_PaymentTransaction_Invoice1"
    FOREIGN KEY("invoiceId")
    REFERENCES "Invoice"("id")
);

CREATE INDEX "PaymentTransaction.fk_PaymentTransaction_Card1_idx" ON
"PaymentTransaction" ("cardId");
CREATE INDEX "PaymentTransaction.fk_PaymentTransaction_Invoice1_idx" ON
"PaymentTransaction" ("invoiceId");
COMMIT;

```