

- Media

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x		id	int	x	ID, auto increment
2			category	VARCHAR(45)	x	Media type, e.g., CD, DVD
3			price	int	x	Current price
4			quantity	int	x	Number of products
5			title	VARCHAR(45)	x	Product name
7			image	VARCHAR(45)	x	Product image path
8			rushSupport	boolean	x	Available for rush order or not

- Book

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x	x	id	int	x	ID, auto increment
2			author	VARCHAR(45)	x	Author of the book
3			language	VARCHAR(5)	x	Language of the book
4			publisher	VARCHAR(45)	x	Publisher of the book

- CD

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x	x	id	int	x	ID, auto increment
2			artist	VARCHAR(45)	x	Artist's name
3			label	VARCHAR(45)	x	Record label

4			genre	VARCHAR(45)	x	Music genre
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- DVD

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x	x	id	int	x	ID, auto increment
2			director	VARCHAR(45)	x	Director's name
3			runtime	int	x	Duration
4			studio	VARCHAR(45)	x	Studio

- Card

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x		id	int	x	ID, auto increment
2			cardCode	VARCHAR(45)	x	Card code
3			owner	VARCHAR(45)	x	Cardholder name
4			cvv	VARCHAR(3)	x	CVV code
5			expiredDate	VARCHAR(5)	x	Expiration date

- DeliveryInfo

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x		id	int	x	ID, auto increment
2			name	VARCHAR(45)	x	Receiver name
3			province	VARCHAR(45)	x	Province
4			instructions	VARCHAR(45)	x	Delivery instructions
5			address	VARCHAR(45)	x	Delivery address

6			expectedTime	DATETIME		Expected delivery time for rush order
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- Order

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x		id	int	x	ID, auto increment
2			shippingFee	int	x	Shipping fee
3		x	deliveryInfoId	int	x	Delivery Info ID
4			isRush	Boolean	x	Rush order or not

- OrderMedia

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x	x	mediaId	int	x	Media ID
2	x	x	orderId	int	x	Order ID
3			price	int	x	Selling price
4			quantity	int	x	Number

- Invoice

#	PK	FK	Column Name	Data type	Mandatory	Description
1	x		id	int	x	ID
2			totalAmount	int	x	Total amount
3		x	orderId	int	x	Order ID

- Payment

#	PK	FK	Column Name	Data type	Mandatory	Description
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1	x		id	int	x	ID
2			time	DATETIME	x	Time of creation
3			content	VARCHAR(45)	x	Transaction content
4			method	VARCHAR(45)	x	Payment method
5		x	cardId	int	x	ID of payment card
6		x	invoiceId	int	x	Invoice ID

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BEGIN;
CREATE TABLE "aims"."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,
  "image" VARCHAR(45) NOT NULL,
  "rushSupport" VARCHAR(45) NOT NULL
);
CREATE TABLE "aims"."CD"(
  "id" INTEGER PRIMARY KEY NOT NULL,
  "artist" VARCHAR(45) NOT NULL,
  "label" VARCHAR(45) NOT NULL,
  "genre" VARCHAR(45) NOT NULL,
  CONSTRAINT "fk_CD_Media1" FOREIGN KEY("id") REFERENCES "Media"("id")
);
CREATE TABLE "aims"."Book"(
  "id" INTEGER PRIMARY KEY NOT NULL,
  "author" VARCHAR(45) NOT NULL,
  "language" VARCHAR(45) NOT NULL,
  "publisher" VARCHAR(45) NOT NULL,
  "language" VARCHAR(45) NOT NULL,
  CONSTRAINT "fk_Book_Media1" FOREIGN KEY("id") REFERENCES "Media"("id")

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);

CREATE TABLE "aims"."DeliveryInfo"(
  "id" INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
  "name" VARCHAR(45),
  "province" VARCHAR(45),
  "instructions" VARCHAR(200),
  "address" VARCHAR(100)
);

CREATE TABLE "aims"."Card"(
  "id" INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
  "cardCode" VARCHAR(15) NOT NULL,
  "owner" VARCHAR(45) NOT NULL,
  "cvvCode" VARCHAR(3) NOT NULL,
  "expiredDate" VARCHAR(5) NOT NULL
);

CREATE TABLE "aims"."DVD"(
  "id" INTEGER PRIMARY KEY NOT NULL,
  "director" VARCHAR(45) NOT NULL,
  "runtime" INTEGER NOT NULL,
  "studio" VARCHAR(45) NOT NULL,
  CONSTRAINT "fk_DVD_Media1" FOREIGN KEY("id") REFERENCES "Media"("id")
);

CREATE TABLE "aims"."Order"(
  "id" INTEGER NOT NULL,
  "shippingFees" VARCHAR(45),
  "deliveryInfoId" INTEGER NOT NULL,
  "isRush" BOOLEAN NOT NULL,
  PRIMARY KEY("id","deleveryInfoId"),
  CONSTRAINT "fk_Order_DeleveryInfo1" FOREIGN KEY("deleveryInfoId")
  REFERENCES "DeliveryInfo"("id")
);

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

CREATE TABLE "aims"."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"),

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CONSTRAINT "fk_OrderMedia_Media1" FOREIGN KEY("mediaId") REFERENCES
"Media"("id")
);
CREATE INDEX "aims"."OrderMedia.fk_ordermedia_order_idx" ON "OrderMedia"
("orderId");
CREATE INDEX "aims"."OrderMedia.fk_OrderMedia_Media1_idx" ON "OrderMedia"
("mediaId");

CREATE TABLE "aims"."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 "aims"."Invoice.fk_Invoice_Order1_idx" ON "Invoice"
("orderId");
CREATE TABLE "aims"."Payment"(
"id" INTEGER NOT NULL,
"time" 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_Payment_Card1" FOREIGN KEY("cardId") REFERENCES
"Card"("id"),
CONSTRAINT "fk_Payment_Invoice1" FOREIGN KEY("invoiceId") REFERENCES
"Invoice"("id")
);
CREATE INDEX "aims"."Payment.fk_Payment_Card
1_idx" ON "Payment" ("cardId");
CREATE INDEX "aims"."Payment.fk_Payment_Invoice1_idx" ON "Payment"
("invoiceId");
COMMIT;
```