

1. Media

#	PK	FK	Column name	Data type	Mandatory	Description
1	x		id	integer	yes	ID, auto increment
2			category	VARCHAR(45)	Yes	Media type , eg:CD, DVD,Book
3			title	VARCHAR(45)	Yes	Product name
4			price	INTEGER	Yes	Current price
5			value	INTEGER	Yes	Value of the product
6			quantity	INTEGER	Yes	Number of products
7			imageUrl	VARCHAR(45)	yes	Product image path

2. CD

#	PK	FK	Column name	Data type	Mandatory	Description
1	x	x	id	INTEGER	yes	ID, same as ID of Media of which type is CD
2			artist	VARCHAR(45)	Yes	Artist's name
3			recordLabel	VARCHAR(45)	Yes	Record Label
4			musicType	VARCHAR(45)	Yes	Music genres (K-pop, US-UK..)
5			releasedDate	DATE	yes	Release date

3. Book

#	PK	FK	Column name	Data type	Mandatory	Description
1	x	x	id	INTEGER	Yes	ID, same as ID of Media of which type is Book
2			author	VARCHAR(45)	Yes	Author
3			coverType	VARCHAR(45)	Yes	Cover type
4			publisher	VARCHAR(45)	Yes	Publisher
5			publishDate	DATE	Yes	Date of publishing
6			numOfPage	INTEGER	Yes	Number of page

7			language	VARCHAR(45)	Yes	Language
8			bookType	VARCHAR(45)	Yes	Genres (comics, picture book ...)

4. DVD

#	PK	FK	Column name	Data type	Mandatory	Description
1	x	x	id	INTEGER	Yes	ID, same as ID of Media of which type is DVD
2			discFormat	VARCHAR(25)	Yes	Disc format, eg: Bluray, HD-DVD
3			director	VARCHAR(45)	Yes	Director
4			runtime	INTEGER	Yes	Duration time
5			studio	VARCHAR(45)	Yes	Manufacturer
6			subtitle	VARCHAR(45)	Yes	Subtitle
7			releasedDate	DATE	Yes	Release date
8			discType	VARCHAR(25)	Yes	Genres, eg: comedy, action

5. Card

#	PK	FK	Column name	Data type	Mandatory	Description
1	x		id	INTEGER	Yes	ID, auto increment
2			cardCode	VARCHAR(20)	Yes	Card code
3			owner	VARCHAR(45)	Yes	Holder name
4			issuingBank	VARCHAR(45)	Yes	Issuing Bank
5			cvvCode	VARCHAR(3)	Yes	CVV code
6			dateExpired	VARCHAR(4)	Yes	Expiration date

6. DeliveryInfo

#	PK	FK	Column name	Data type	Mandatory	Description
1	x		id	INTEGER	Yes	ID, auto increment
2			name	VARCHAR(45)	Yes	Receiver name
3			province	VARCHAR(45)	Yes	Province
4			instructions	VARCHAR(200)	No	Delivery instructions
5			address	VARCHAR(100)	Yes	Delivery address
6			chooseRushOrder	INTEGER(1)	Yes	Choose rush order (1)or not (0)
7		x	rushOrderId	INTEGER	Yes	Rush order Id

7. Order

#	PK	FK	Column name	Data type	Mandatory	Description
1	x		id	INTEGER	Yes	ID
2		x	deliveryId	INTEGER	Yes	Delivery Info ID
3			shippingFees	VARCHAR(45)	Yes	Shipping fee

8. OrderMedia

#	PK	FK	Column name	Data type	Mandatory	Description
1		x	orderId	INTEGER	Yes	Order ID
2		x	mediaId	INTEGER	Yes	Media ID
3			price	INTEGER	Yes	Price
4			quantity	INTEGER	Yes	Quantity

9. Invoice

#	PK	FK	Column name	Data type	Mandatory	Description
1	x		id	INTEGER	Yes	ID
2		x	orderId	INTEGER	Yes	Order ID
3			subtotal	INTEGER	Yes	the total price of order
4			subtotalVAT	INTEGER	Yes	the total price of order with VAT
5			totalAmount	INTEGER	Yes	Total amount = the total price of order with VAT + shipping fees

10. PaymentTransaction

#	PK	FK	Column name	Data type	Mandatory	Description
1	x		id	INTEGER	Yes	ID
2			content	VARCHAR(45)	Yes	Transaction content
3			method	VARCHAR(45)	Yes	Payment method
4			createdAt	DATETIME	Yes	Date of creation
5		x	cardId	INTEGER	Yes	ID of used card
6		x	invoiceId	INTEGER	Yes	Invoice ID

11. RushOrder

#	PK	FK	Column name	Data type	Mandatory	Description
1	x		id	INTEGER	Yes	ID
2			timeInterval	VARCHAR(45)	Yes	Expected delivery time interval
3			note	VARCHAR(200)	Yes	Delivery note