

- Media

#	PK	FK	Column name	Data type	Mandatory	Description
1.	X		id	Integer	Yes	ID, auto increment
2.			category	VARCHAR(45)	Yes	Type of product
3.			title	VARCHAR(45)	Yes	Product name
4.			price	Integer	Yes	Current price
5.			value	Integer	Yes	Value of product
6.			quantity	Integer	Yes	Number of products in warehouse
7.			isSupportRushDelivery	Boolean	No	Product support rush delivery or not

- Book

#	PK	FK	Column name	Data type	Mandatory	Description
1.		X	id	Integer	Yes	ID, same as ID of Product of which type is Book
2.			authors	VARCHAR(45)	Yes	Book's authors
3.			publisher	VARCHAR(45)	Yes	Publishing house
4.			coverType	VARCHAR(45)	No	Cover type

5.			publicationDate	DATE	No	Date of publishing
----	--	--	-----------------	------	----	--------------------

- DVD

#	PK	FK	Column name	Data type	Mandatory	Description
1.		X	id	Integer	Yes	ID, same as ID of Product of which type is DVD
2.			director	VARCHAR(45)	Yes	Director
3.			studio	VARCHAR(45)	Yes	Manufacturer
4.			diskType	VARCHAR(45)	Yes	Disk type
5.			subtitles	VARCHAR(45)	Yes	Subtitles
6.			runtime	Integer	Yes	Duration
7.			language	VARCHAR(45)	Yes	Language

- CD

#	PK	FK	Column name	Data type	Mandatory	Description
1.		X	id	Integer	Yes	ID, same as ID of Product of which type is CD
2.			artist	VARCHAR(45)	Yes	Artist's name
3.			recordLabel	VARCHAR(45)	Yes	Record label

4.			trackList	VARCHAR(200)	Yes	List of tracks
5.			genre	VARCHAR(45)	No	Music genres
6.			releaseDate	DATE	No	Release date

- LP

#	PK	FK	Column name	Data type	Mandatory	Description
1.		X	id	Integer	Yes	ID, same as ID of Product of which type is LP
2.			artist	VARCHAR(45)	Yes	Artist's name
3.			recordLabel	VARCHAR(45)	Yes	Record label
4.			trackList	VARCHAR(200)	Yes	List of tracks
5.			genre	VARCHAR(45)	No	Music genres
6.			releaseDate	DATE	No	Release date

- Cart

#	PK	FK	Column name	Data type	Mandatory	Description
1.	X		id	Integer	Yes	ID, auto increment
2.			subtotal	Integer	No	Total price of products without VAT

3.			total	Integer	No	Total price of products with VAT
----	--	--	-------	---------	----	----------------------------------

- CartProduct

#	PK	FK	Column name	Data type	Mandatory	Description
1.		X	product_id	Integer	Yes	Product ID
2.		X	cart_id	Integer	Yes	Cart ID
3.			quantity	Integer	Yes	Number of products in cart

- DeliveryInfo

#	PK	FK	Column name	Data type	Mandatory	Description
1.	X		id	Integer	Yes	ID, auto increment
2.			receiverName	VARCHAR(45)	Yes	Receiver name
3.			phoneNumber	CHAR(11)	Yes	Phone number
4.			email	VARCHAR(45)	Yes	email
5.			province	VARCHAR(45)	Yes	Provinces/cities
6.			address	VARCHAR(100)	Yes	Delivery address
7.			shippingMethod	VARCHAR(45)	Yes	Delivery Method

- RushDelivery

#	PK	FK	Column name	Data type	Mandatory	Description
1.		X	deliveryInfoID	Integer	Yes	Delivery Info ID
2.			timeReceiver	DATETIME	No	Receiving time
3.			Instruction	VARCHAR(100)	No	Delivery instruction

- Order

#	PK	FK	Column name	Data type	Mandatory	Description
1.	X		id	Integer	Yes	ID, auto increment
2.			shippingFee	Integer	Yes	Shipping fee
3.		X	cartID	Integer	Yes	Cart ID
4.		X	deliveryInfoID	Integer	Yes	Delivery Info ID

- Card

#	PK	FK	Column name	Data type	Mandatory	Description
1.	X		id	Integer	Yes	ID, auto increment
2.			cardNumber	VARCHAR(45)	Yes	Card number
3.			cardHolderName	VARCHAR(45)	Yes	Card holder's name

4.			type	VARCHAR(45)	Yes	Type of card: domestic card, international payment card (VISA, MasterCard)
5.			bank	VARCHAR(45)	No	Bank
6.			cvvCode	Integer	No	CVV Code
7.			expirationDate	DATE	No	Expired Date
8.			issueDate	DATE	No	Issued date
9.			email	VARCHAR(45)	No	Email
10.			province	VARCHAR(45)	No	Provinces/cities
11.			address	VARCHAR(100)	No	Address

- PaymentTransaction

#	PK	FK	Column name	Data type	Mandatory	Description
1.	X		id	VARCHAR(45)	Yes	Transaction ID
2.			content	VARCHAR(100)	Yes	Transaction content
3.			transactionTime	DATETIME	Yes	Transaction time
4.			amount	Integer	Yes	Amount
5.		X	cardId	Integer	Yes	Card ID

- Invoice

#	PK	FK	Column name	Data type	Mandatory	Description
1.	X		id	Integer	Yes	ID, auto increment
2.			totalAmount	Integer	Yes	Total amount
3.		X	orderId	Integer	Yes	Order ID
4.		X	paymentTransactionId	Integer	Yes	Payment Transaction ID