Physical Data Model

- User

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		id	Integer	Yes	Id, auto_increment
2.			username	Varchar(50)	Yes	Username account
3.			Password	Varchar(50)	Yes	Password account
4.			isAdmin	Boolean	Yes	Check Admin?

- Media

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		id	Integer	Yes	Id, auto_increment
2.			category	Varchar(50)	Yes	Media type category
3.			price	Integer	Yes	Product price
4.			value	Integer	Yes	Value of the media
5.			title	Varchar(50)	Yes	Title
6.			description	Text	Yes	Product Description
7.			quantity	Integer	Yes	Quantity of store
8.			importDate	Date	No	Date Added
9.			rushOrderSupported	Boolean	No	Rush Order support?
10.			barcode	Varchar(50)	Yes	Bar code
11.			productDimension	Varchar(50)	No	Product size for shipping calculation
12.			imageUrl	Varchar(200)	No	Link Image

- Book

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x	x	id	Integer	Yes	Id Media
2.			authors	Varchar(50)	Yes	Book author
3.			hardCover	Varchar(50)	Yes	Cover Name
4.			publisher	Varchar(50)	Yes	Book publisher
5.			publicationDate	Date	Yes	Publication date
6.			pages	Integer	No	Book page number
7.			language	Varchar(50)	No	Language
8.			bookCategory	Varchar(50)	No	Book category

- CD_and_LP

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x	x	id	Integer	Yes	Id Media
2.			artists	Varchar(50)	Yes	Artists
3.			recordLabel	Varchar(50)	Yes	Record company

#	PK	FK	Colum Name	Data Type	Mandatory	Description
4.			trackList	Varchar(200)	Yes	Song list
5.			releaseDate	Date	No	Release date
6.			musicType	Varchar(50)	Yes	Kind of music

- DVD

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x	x	id	Integer	Yes	Id Media
2.			dvdType	Varchar(50)	Yes	Disc type
3.			director	Varchar(50)	Yes	Director
4.			runtime	Integer	Yes	Duration
5.			studio	Date	Yes	DVD manufacturer
6.			language	Varchar(50)	Yes	Language
7.			subtitles	Varchar(50)	Yes	Subtitles
8.			releaseDate	Varchar(50)	No	Release date
9.			filmType	Varchar(50)	No	Film Type

- RushOrderInfo

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		id	Integer	Yes	Id, auto_increment
2.			deliveryTime	DateTime	Yes	Customer receipt time
3.			instructions	Varchar(200)	Yes	Delivery instructions

- DeliveryInfo

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		id	Integer	Yes	Id, auto_increment
2.			name	Varchar(50)	Yes	Name of consignee
3.			phone	Varchar(15)	Yes	Customer's phone number
4.			email	Varchar(50)	Yes	Customer's Gmail
5.			province	Varchar(50)	Yes	Province
6.			district	Varchar(50)	Yes	District
7.			address	Varchar(50)	Yes	Specific delivery address
8.		x	rushOrderID	BigInt	No	Id from table RushOrder
9.			message	Varchar(200)	No	Message for the store or shipper

- OrderInfo

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		id	Integer	Yes	Id, auto_increment
2.			shippingFees	Integer	Yes	Shipping fees
3.			subtotal	Integer	Yes	The total price of the products does not include other fees such as VAT and shipping
4.		x	deliveryInfoId	Integer	Yes	Id from table DeliveryInfo

- Order_Media

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.		x	orderID	Integer	Yes	Id from table Order
2.		x	mediaID	Integer	Yes	Id from table Media
3.			quantity	Integer	Yes	Quantity of media
4.			price	Integer	Yes	Price media

- Invoice

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		Id	Integer	Yes	Id, auto_increment
2.			totalAmount	Integer	Yes	Total amount
3.		x	orderId	Integer	Yes	Id from table Order

- VnPAY

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		orderID	Integer	Yes	Id, auto_increment
2.			imageQRUrl	Varchar(50)	Yes	Link QR
3.			paymentAccountName	Varchar(50)	Yes	Bank account holders
4.			paymentAccountNumber	Varchar(50)	Yes	Bank account number
5.			bank	Varchar(50)	Yes	Bank name

- PaymentTransaction

#	PK	FK	Colum Name	Data Type	Mandatory	Description
1.	x		id	Integer	Yes	Id, auto_increment
2.			createAt	DateTime	Yes	Transaction creation time
3.			paymentTime	DateTime	Yes	Transaction completed time

4.			content	Varchar(50)	Yes	Transaction content
5.		x	vnPayId	Integer	Yes	Id from table VnPAY
6.			method	Varchar(50)	Yes	Payment methods
7.			status	Varchar(50)	Yes	transaction status
8.		x	invoiceId	Integer	Yes	Id from table Invoice