

PHYSICAL DATA MODEL

- Media

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	price			Integer	Yes	
3.	value			Integer	Yes	
4.	category			Varchar(255)	Yes	
5.	title			Varchar(255)	Yes	
6.	supportRushDelivery			Boolean	Yes	

- Physical good

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	mediaId		x	Integer	Yes	Id from Media table
3.	barcode			Varchar(255)	Yes	
4.	description			Varchar(255)	Yes	
5.	stockReceiptDate			Date	Yes	
6.	quantity			Integer	Yes	
7.	productDimensions			Varchar(255)	Yes	

- CD

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	physicalGoodId		x	Integer	Yes	Id from Physical Good table
3.	album			Varchar(255)	Yes	

4.	artist			Varchar(255)	Yes	
5.	trackList			Varchar(255)	Yes	
6.	genre			Varchar(255)	Yes	
7.	releaseDate			Date	Yes	
8.	recordLabel			Varchar(255)	Yes	

- LP

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	physicalGoodId		x	Integer	Yes	Id from Physical Good table
3.	album			Varchar(255)	Yes	
4.	artist			Varchar(255)	Yes	
5.	trackList			Varchar(255)	Yes	
6.	genre			Varchar(255)	Yes	
7.	releaseDate			Date	Yes	
8.	recordLabel			Varchar(255)	Yes	

- Book

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	physicalGoodId		x	Integer	Yes	Id from Physical Good table
3.	author			Varchar(255)	Yes	
4.	coverType			Varchar(255)	Yes	
5.	publishDate			Date	Yes	
6.	publisher			Varchar(255)	Yes	
7.	category			Varchar(255)	Yes	

8.	numberOfPage			Integer	Yes	
9.	language			Varchar(255)	Yes	

- DVD

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	physicalGoodId		x	Integer	Yes	Id from Physical Good table
3.	studio			Varchar(255)	Yes	
4.	genre			Varchar(255)	Yes	
5.	releaseDate			Date	Yes	
6.	discType			Varchar(255)	Yes	
7.	director			Varchar(255)	Yes	
8.	runtime			Integer	Yes	
9.	subtitle			Varchar(255)	Yes	

- Order

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	deliveryInfoId		x	Integer	Yes	Id from Delivery Info table
3.	shippingFees			Integer	Yes	
4.	totalAmount			Integer	Yes	
5.	deliveryMethod			Varchar(255)	Yes	

- DeliveryInfo

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment

2.	name			Varchar(255)	Yes	
3.	email			Varchar(255)	Yes	
4.	phoneNumber			Varchar(10)	Yes	
5.	province			Varchar(255)	Yes	
6.	address			Varchar(255)	Yes	

- RushDeliveryInfo

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	deliveryInfoId		x	Integer	Yes	Id from deliveryInfo table
3.	instruction			Varchar(255)	Yes	
4.	receivedDate			Date	Yes	

- Invoice

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	orderId		x	Integer	Yes	Id from Order table
3.	VNPayPayment Transaction		x	Integer	Yes	Id from VNPayPaymentT Ransaction table

- VNPayPaymentTransaction

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	creditCardId		x	Integer	Yes	Id from CreditCard table
3.	typeOfGoods			Varchar(255)	Yes	
4.	content			Varchar(255)	Yes	

5.	bank			Varchar(255)	Yes	
6.	language			Varchar(255)	Yes	
7.	totalAmount			Integer	Yes	

- CreditCard

#	Column name	PK	FK	Data type	Mandatory	Description
1.	id	x		Integer	Yes	ID, auto increment
2.	cardNumber			Varchar(255)	Yes	
3.	ownerName			Varchar(255)	Yes	
4.	cvvCode			Integer	Yes	
5.	dateExp			Date	Yes	