

PHYSICAL DATA MODEL

- Media

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	Name			Varchar(45)	Yes	Media name
3.	CategoryType			Integer	Yes	Category type
4.	Value			Integer	Yes	Value of the media
5.	Price			Integer	Yes	Price

- Book

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	Author			Varchar(45)	Yes	Author
3.	Cover			Varchar(45)	Yes	Cover name
4.	Publisher			Varchar(45)	Yes	Publisher
5.	PublicationDate			Date	Yes	Publication date
6.	Language			Varchar(45)	Yes	Language
7.	PageNumber			Integer	Yes	Number page of the media
8.	Genres			Varchar(45)	Yes	Genres
9.	Media_id		x	Integer	Yes	Id from Media table

- DVD

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	DiscFormate			Varchar(45)	Yes	DVD formate
3.	Director			Integer	Yes	Director's name
4.	RunTime			Integer	Yes	Duration
5.	Media_id		x	Integer	Yes	Id form Media table
6.	Studio			Varchar(45)	Yes	Studio
7.	Language			Varchar(45)	Yes	Language
8.	Subtitles			Varchar(45)	Yes	Subtitles
9.	ReleaseDate			Date	Yes	Release date
10.	Genres			Varchar(45)	Yes	genres

- CD

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	MusciColection			Varchar(45)	Yes	Music collection
3.	CDAAlbum			Varchar(45)	Yes	Cd Album's name
4.	Artists			Varchar(45)	Yes	Artists
5.	RecordLabels			Varchar(45)	Yes	Record labels
6.	TrackList			Varchar(45)	Yes	Track list
7.	Genres			Varchar(45)	Yes	Genres
8.	Media_id		x	Integer	Yes	Id from Media table

- **TypeShipping**

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	Name			Varchar(45)	Yes	Name
3.	Description			Varchar(100)	Yes	description

- **TypeShippingMedia**

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	Media_id		x	Integer	Yes	Id from Media table
3.	TypeShipping_id		x	Integer	Yes	Id from TypeShipping table
4.	ShippingAddress			Varchar(45)	Yes	Shipping address

- **CustomerInfo**

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	ReceiverName			Varchar(45)	Yes	Receiver name
3.	PhoneNumber			Integer	Yes	Phone number
4.	Email			Varchar(45)	Yes	Email
5.	Province			Varchar(45)	Yes	Province
6.	ShippingAddress			Varchar(45)	Yes	Shipping address

- **Order**

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	CustomerInfo_id		x	Integer	Yes	Id from CustomerInfo table
3.	ShippingFees			Integer	Yes	Shipping fees

- **OrderMedia**

#	Column Name	PK	FK	Data type	Mandatory	Description
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1.	Id	x		Integer	Yes	ID, auto increment
2.	Media_id		x	Integer	Yes	Id from Media table
3.	Order_id		x	Integer	Yes	Id from order table
4.	Price			Integer	Yes	Price
5.	Quantity			Integer	Yes	Quantity of media

- **CreditCard**

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	Name			Varchar(45)	Yes	Name
3.	Number			Integer	Yes	Number
4.	IsUsingBank			SMALLINT	Yes	Is using bank
5.	ExpirationDate			Date	Yes	Expiration date
6.	Code			Char(5)	Yes	Secret code

- **PaymentTransaction**

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	CreditCard_id		x	Integer	Yes	If from creditCard table
3.	TransactionCode			Varchar(45)	Yes	Transaction code
4.	Content			Varchar(45)	Yes	Content of the transaction
5.	CreateTime			Date	Yes	Create date

- **Invoice**

#	Column Name	PK	FK	Data type	Mandatory	Description
1.	Id	x		Integer	Yes	ID, auto increment
2.	Order_id		x	Integer	Yes	Id from order table
3.	PaymentTransaction_id		x	Integer	Yes	Id from paymentTranaction table
4.	TotalAmount			Integer	Yes	Total amount