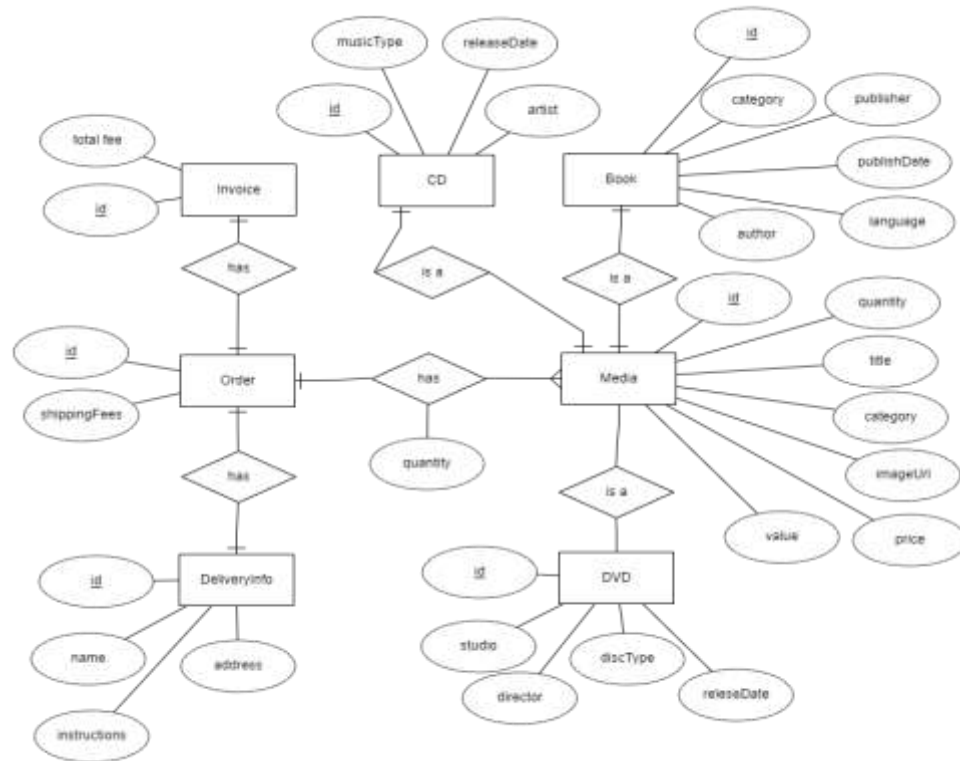
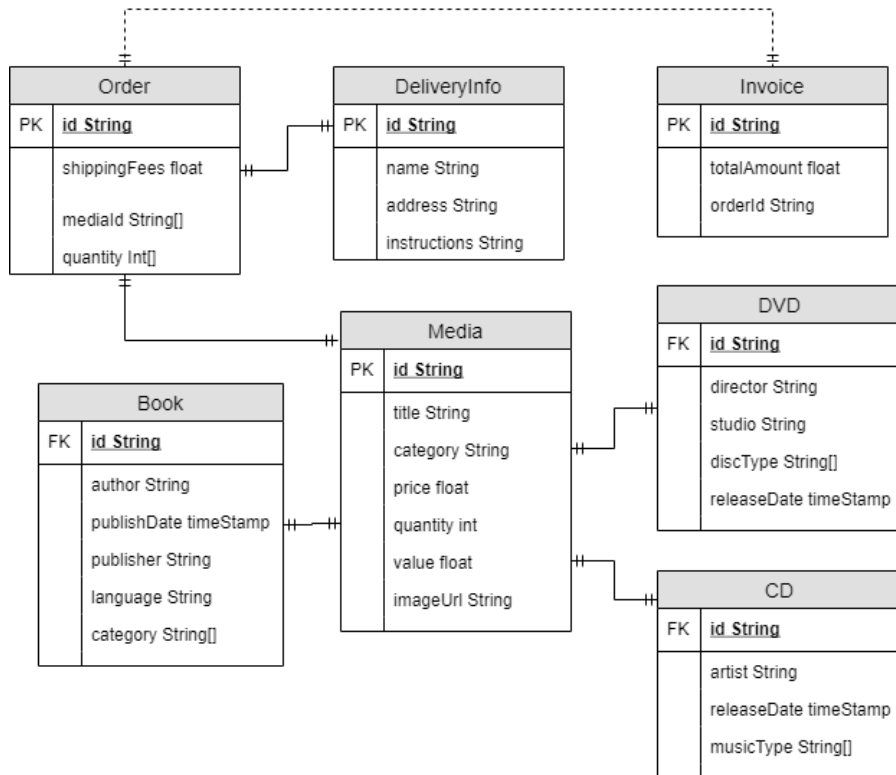


I. ER Diagram



II. Logical Data Model



III. Physical Data Model (NoSQL-MongoDB)

Use database

1. Order

#	PK	FK	Name	Data Type	Mandatory	Description
1	V		Id	String	Yes	//
2			shippingFee	float	Yes	//
3		v	deliveryInfo	String	yes	//
4		v	mediaId	String[]	yes	//
5			quantity	int	yes	//

db.createCollection(order)

2. DeliveryInfo

#	PK	FK	Name	Data Type	Mandatory	Description
1	V		Id	String	Yes	//
2			name	String	yes	//
3			address	String	Yes	//
4			instructions	String	no	//

db.createCollection(deliveryInfo)

3. Invoice

#	PK	FK	Name	Data Type	Mandatory	Description
1	V		Id	String	Yes	//
2			totalAmount	float	Yes	//
3		v	orderId	String	yes	//

db.createCollection(invoice)

4. Media

#	PK	FK	Name	Data Type	Mandatory	Description
1	V		Id	String	Yes	//
2			title	String	Yes	//
3			category	String	yes	//
4			price	int	yes	//
5			quantity	int	yes	..
6			value	float	yes	
7			imageUrl	String	yes	

db.createCollection(media)

5. CD

#	PK	FK	Name	Data Type	Mandatory	Description
1		v	Id	String	Yes	//
2			artist	String	Yes	//
3			releaseDate	timeStamp	yes	//
4			musicType	String[]	yes	//

db.createCollection(cd)

6. DVD

#	PK	FK	Name	Data Type	Mandatory	Description
1		v	Id	String	Yes	//
2			director	String	Yes	//
3			studio	String	yes	//
4			discType	String[]	yes	//
5			releaseDate	TimeStamp	yes	//

db.createCollection(dvd)

7. Book

#	PK	FK	Name	Data Type	Mandatory	Description
1		v	Id	String	Yes	//
2			Author	String	Yes	//
3			Publisher	String	yes	//
4			Category	String[]	yes	//
5			publishDate	TimeStamp	yes	//
6			language	String	yes	//

db.createCollection(book)