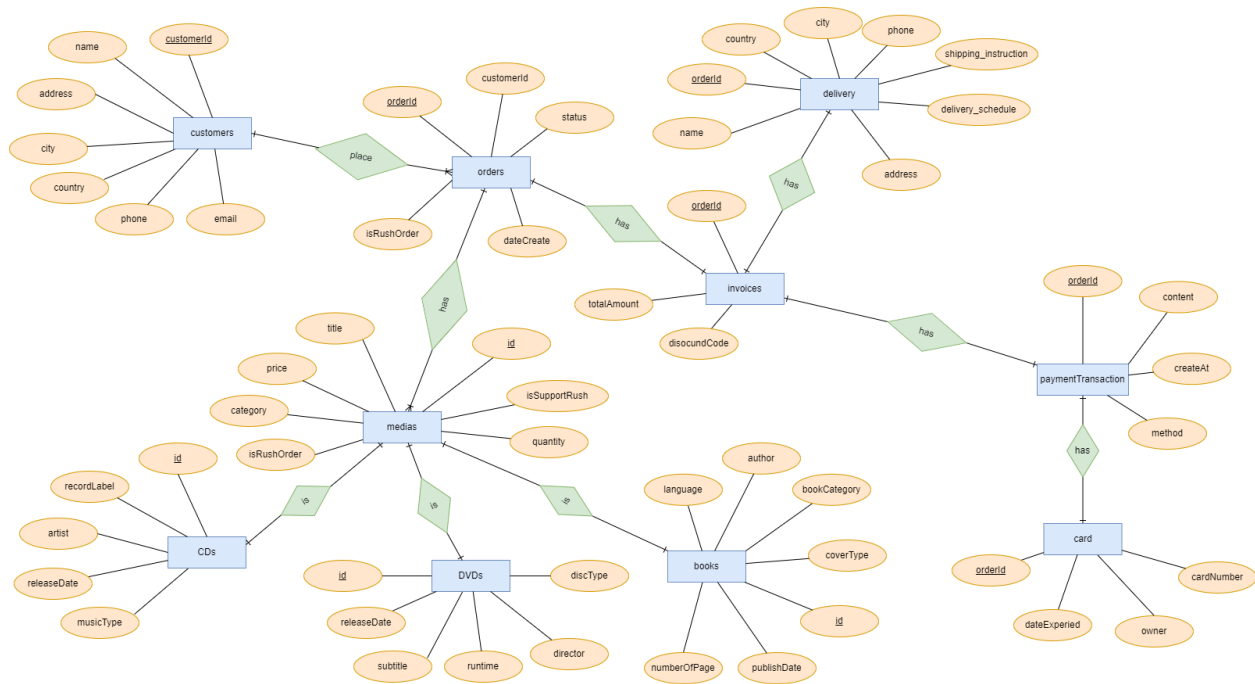
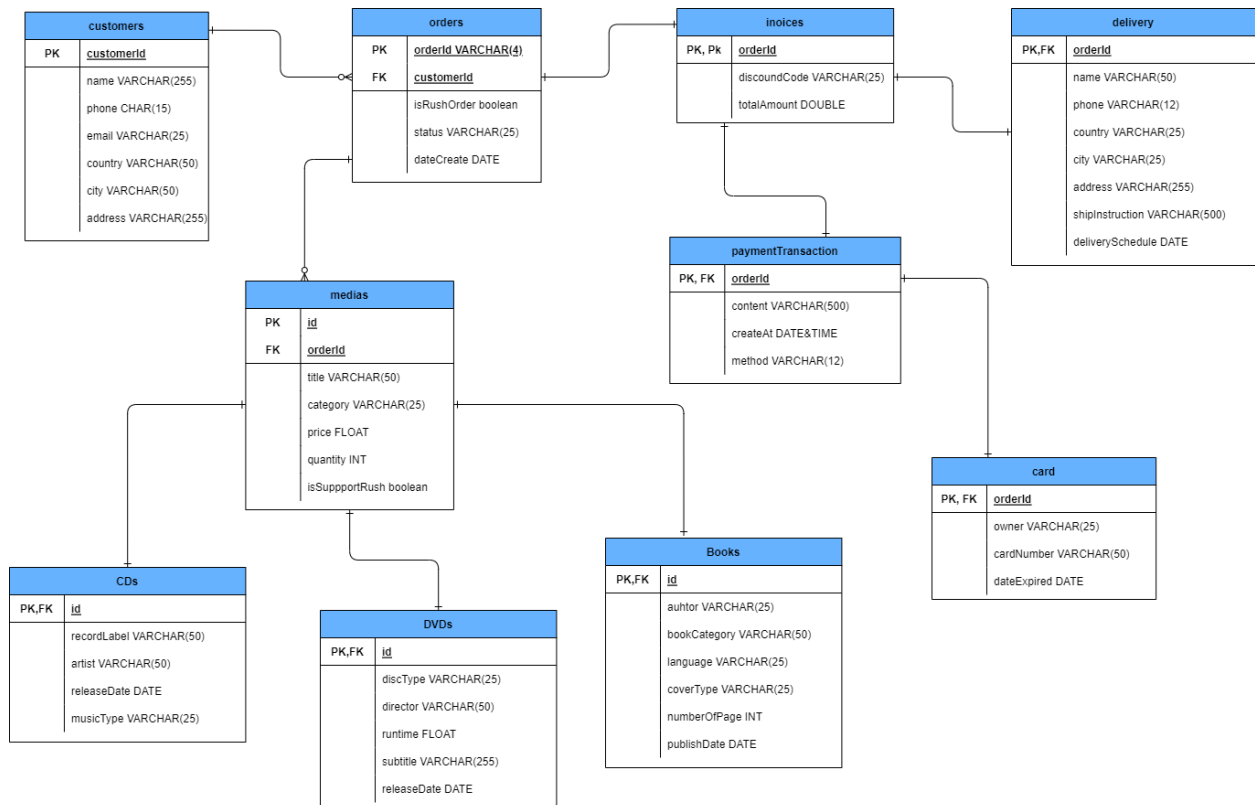


Database specifications for AIMS Application

I. ER-Diagram



II. Table relationships



III. Table specifications

customers

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	customerId	int	x	ID of customer
2			name	varchar(255)	x	Name of customer
3			phone	varchar(12)	x	Phone number of customer
4			email	varchar(25)	x	Email of customer
5			country	varchar(50)	x	Country of customer
6			city	varchar(25)	x	City of customer
7			address	varchar(255)	x	Home address of customer

Order

No.	PK	FK	Name	Data type	Mandatory	Description
1	x		orderId	varchar(25)	x	ID of the order
2		x	customerId	varchar(48)	x	ID of customer placed the order
3			isrushOrder	boolean	x	Type of order: normal or rush
4			status	varchar(25)	x	Status of order
5			dateCreate	date	x	Date create order

Media

No.	PK	FK	Name	Data type	Mandatory	Description
1	x		id	varchar(4)	x	Id of the media item
2		x	orderId	int	x	Id of order link to this media
3			title	varchar(50)	x	Name of the media item
4			price	float	x	Price of the media item
5			quantity	int	x	Current available

						quantity of media item
5			isSupportRush	boolean	x	true if the media support rush order, false otherwise
6			category	Varchar(25)	x	Category of this media

CDs

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	id	varchar(4)	x	Id of the CD
2			recordLabel	varchar(4)	x	Label record of this CDs
3			artist	varchar(50)	x	List artist in this CDs
4			releaseDate	date	x	Release Date
5			musicType	varchar(25)	x	Type of music

DVDs

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	id	varchar(4)	x	Id of the CD
2			discType	varchar(4)	x	Type of this DVD
3			director	varchar(50)	x	Director of this DVDs
4			releaseDate	date	x	Release Date
5			subtitle	varchar(255)	x	Subtitle of this DVD
			runtime	float	x	Total time of DVD

Books

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	id	varchar(4)	x	Author's id
2			author	varchar(25)	x	Author's name
3			bookCategory	varchar(50)	x	Category of this books

4			language	varchar(25)	x	Language is written in this books
5			coverType	varchar(25)	x	Cover type this books
6			numberOfPage	int	x	Total number of page of this books
7			publishDate	date	x	Publish date of this books

invoices

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	orderId	varchar(4)	x	ID of order that has this invoice
2			discountCode	varchar(25)		Discount apply for this invoice
3			totalAmount	double	x	Total money that customer have to pay

delivery

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	orderId	varchar(4)	x	ID of order/delivery info
2			name	varchar(255)	x	Name of customer
3			phone	varchar(12)	x	Phone number of customer
4			email	varchar(25)	x	Email of customer
5			country	varchar(50)	x	Country of customer
6			city	varchar(25)	x	City of customer
7			address	varchar(255)	x	Home address of customer
8			shipInstruction	varchar(500)		Shippign instruction
9			deliverySchedule	date		Schedule time to delivery for Rush order

paymentTransactions

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	orderId	int	x	Id of the order link to transaction
2			content	varchar(500)	x	Detail content of the transaction
3			method	varchar(12)	x	Method of payment

card

No.	PK	FK	Name	Data type	Mandatory	Description
1	x	x	orderId	int	x	Id of the order link to transaction /card
2			owner	varchar(25)	x	Owner of this card
3			cardNumber	varchar(50)	x	Number in card
4			dateExpired	date	x	Expired date