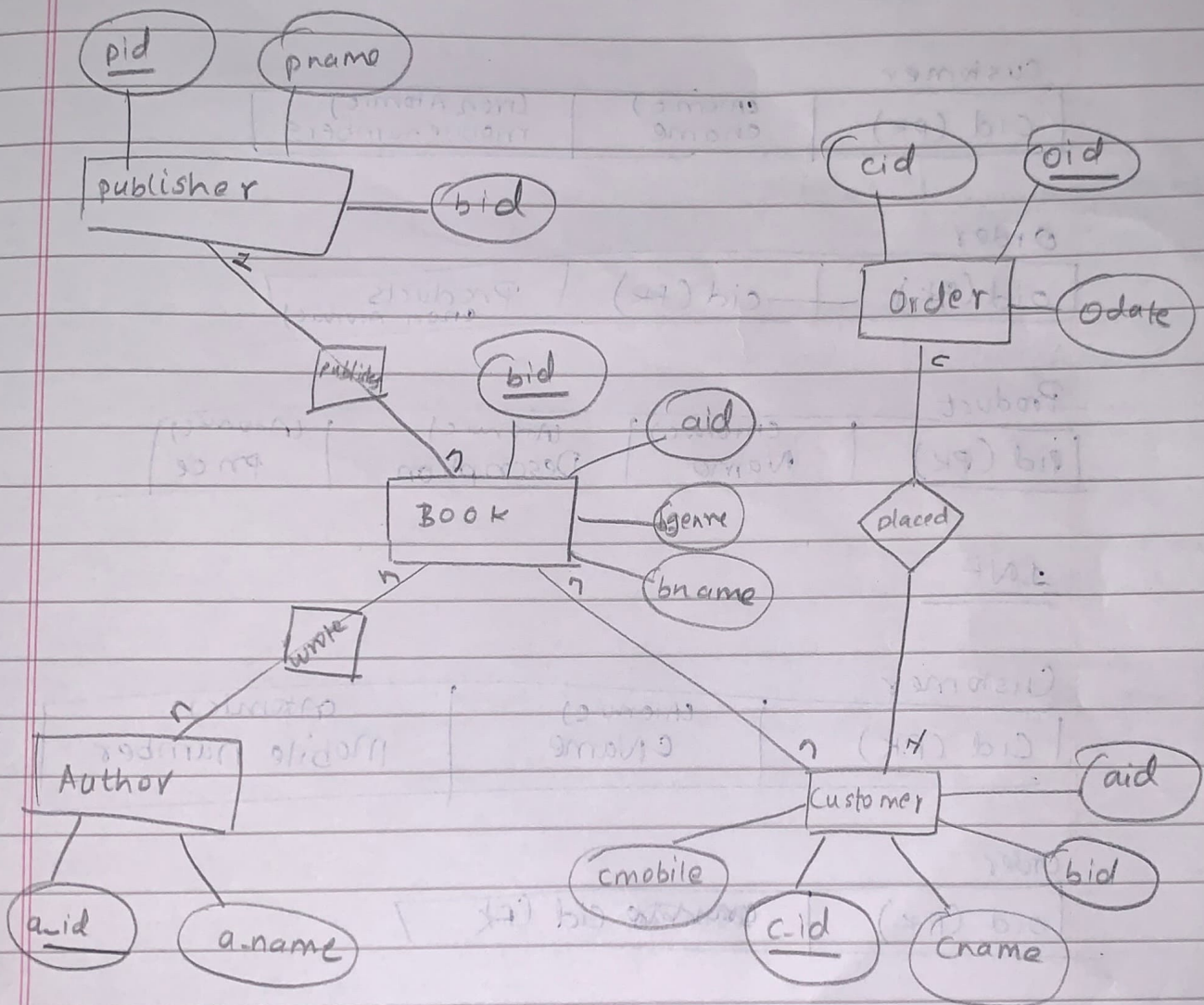


CASE STUDY

Customer

Order

ProductInitial Schema

Customer

Cid (PK)	(Atomic) Cname	(non Atomic) mobile numbers
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Order

oid (PK)	cid (fk)	Products (non Atomic)
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Product

pid (PK)	(Atomic) Name	(Atomic) Description	(Atomic) Price
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1NF

Customer

Cid (PK)	(Atomic) CName	(Atomic) Mobile number
----------	-------------------	---------------------------

Order

oid (PK)	customer cid (fk)
----------	------------------------------

Order-Product

Order_pid (PK)	Order_id (fk)	pid (fk)	Quantity (Atomic)
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product

pid (PK)	Name (Atomic)	(Atomic) Description	Product (Atomic) Price
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2NF

Customer			
cid (PK)	cname (Atomic)	mobile mobile number	(Atomic)

Order

order-ID (PK)

order-product

order_pid (PK)	order-ID (FK)	pid (FK)	quantity (Atomic)
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product

pid (PK)	name (Atomic)	Description (Atomic)	price (Atomic)
----------	---------------	----------------------	----------------

3NFcustomer

cid (PK)	cname (Atomic)	Phone number (Atomic)
----------	----------------	-----------------------

Order

oid (PK)

Order-product

order_pid (PK)	oid (FK)	pid (FK)	Quantity (Atomic)
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Product

pid (PK)	Name (Atomic)	Description (Atomic)	Price (Atomic)
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Customer_order

oid (PK) (FK)	Cid (FK)
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