

(SalesOrderNo, Date, CustomerNo, CustomerName, Customer Add, ClerkNo, ClerkName, Item No, Description, Qty, Unit Price)

Sales Order

Fiction Company
202 N. Main
Mahattan, KS 66502

CustomerNumber: 1001

Customer Name: ABC Company

Customer Address: 100 Points
Manhattan, KS 66502

Sales Order Number: 405

Sales Order Date: 2/1/2000

Clerk Number: 210

Clerk Name: Martin Lawrence

Item Ordered	Description	Quantity	Unit Price	Total
800	widgit small	40	60.00	2,400.00
801	tingimajigger	20	20.00	400.00
805	thingibob	10	100.00	1,000.00
Order Total				3,800.00

OrdNo	Order Date	ClerkNo	Clerk Name	CustNo	CustName	CustAdd	ItemOrdered	Desc	Qty	UnitPrice
405	1/2/2025	210	Martin	1001	ABC	fdgdfgdf	800	ddd	40	60
							801	fffff	20	20
							805	88888	10	100
406	1/2/2025	210	Martin	1002	XYZ	lkiklkikl	800	ddd	40	60
							809	aaa	5	60
							807	qqq	10	20
407	36557	211	Aliaa	1001	ABC	fdgdfgdf	801	fffff	20	20
							809	aaa	5	20

1 NF no multivalue Repeating group

1 order

ordNo | Date | clerkNo | clerkName | custNo | cname | Add

2 order Item

orderNo | ItemNo | desc | Qty | Unit Price

2 NF no partial Key dependency.

1 order

ordNo | Date | clerkNo | clerkName | custNo | cname | Add

2 Item

ItemNo | Desc | UnitPr.

3 order Item

ordNo | ItemNo | Qty

ItemNo → desc, Unit Price

ordNo, Item → Qty

clerkNo → clerkName

CustNo → cname, add

3 NF no transitive Depend.

1 Item

ItemNo | Desc | UnitPr.

2 order Item

ordNo | ItemNo | Qty

3 order

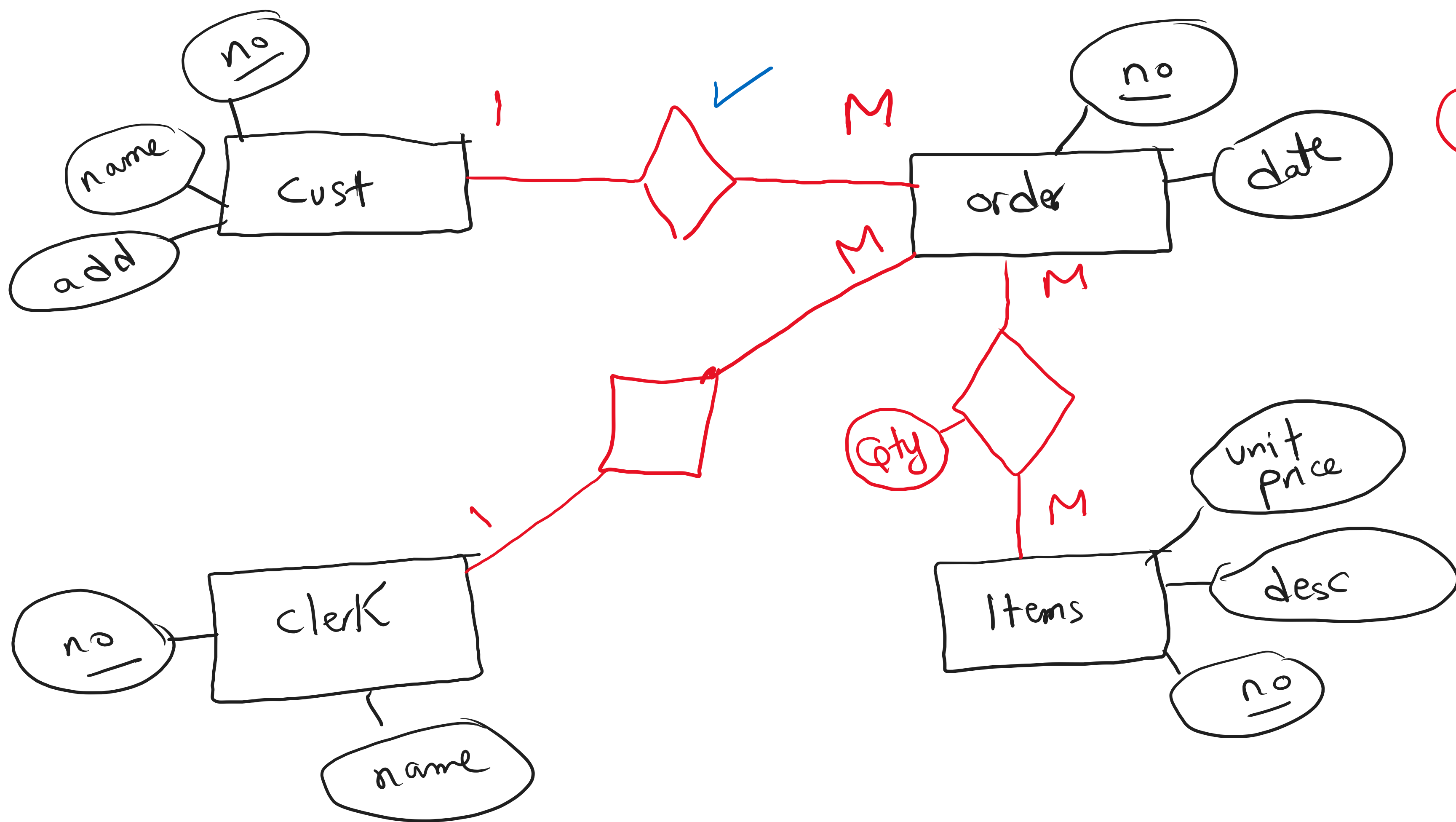
ordNo | Date | clerkNo | custNo

4 clerk

clerkNo | clerk name

5 cust

custNo | name | add



cust

1 no | name | add

clerk

2 no | name

Item

3 no | unit Price | desc

order

4 no | date | custNo | clerkNo

order Item

5 ordNo | ItemNo | Qty