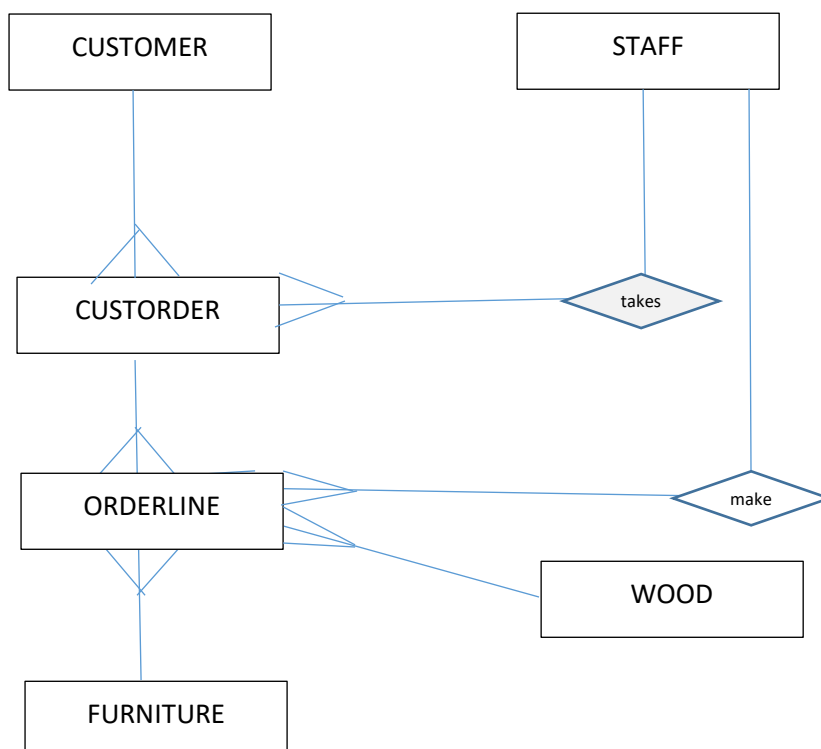


Business Data Management and Analytics**Tutorial 7 - Data Modelling Exercises****Homework – Business Case Model 3****Business Case Study: Fabulous Furniture – Option #1**Relational Model

CUSTOMER	CUSTORDER	ORDERLINE	FURNITURE	WOOD
<u>Customer no</u>	<u>Order no</u>	<u>Orderline no</u>	<u>Furniture no</u>	<u>Wood no</u>
Name	<u>Customer no</u>	<u>Order no</u>	Name	name
Mobile	Order date	<u>Furniture no</u>	Price	
Email	Delivery	<u>Wood no</u>	Description	
	<u>Take_staff no</u>	Quantity ordered	Stock level	STAFF
		Quantity delivered	Stock level date	<u>Staff no</u>
		Status	type	name
		<u>Make_staff no</u>		

BR: Stock level needs to be kept up to date... and is the number of completed pieces of furniture; the stock level date specifies last time this was updated. Delivery is “Yes” or “No”; Status is “C”ompleted or “U”nder construction; part of the order maybe delivered for various reasons, the number of each item delivered is added to the quantity delivered each time!

ER Diagram

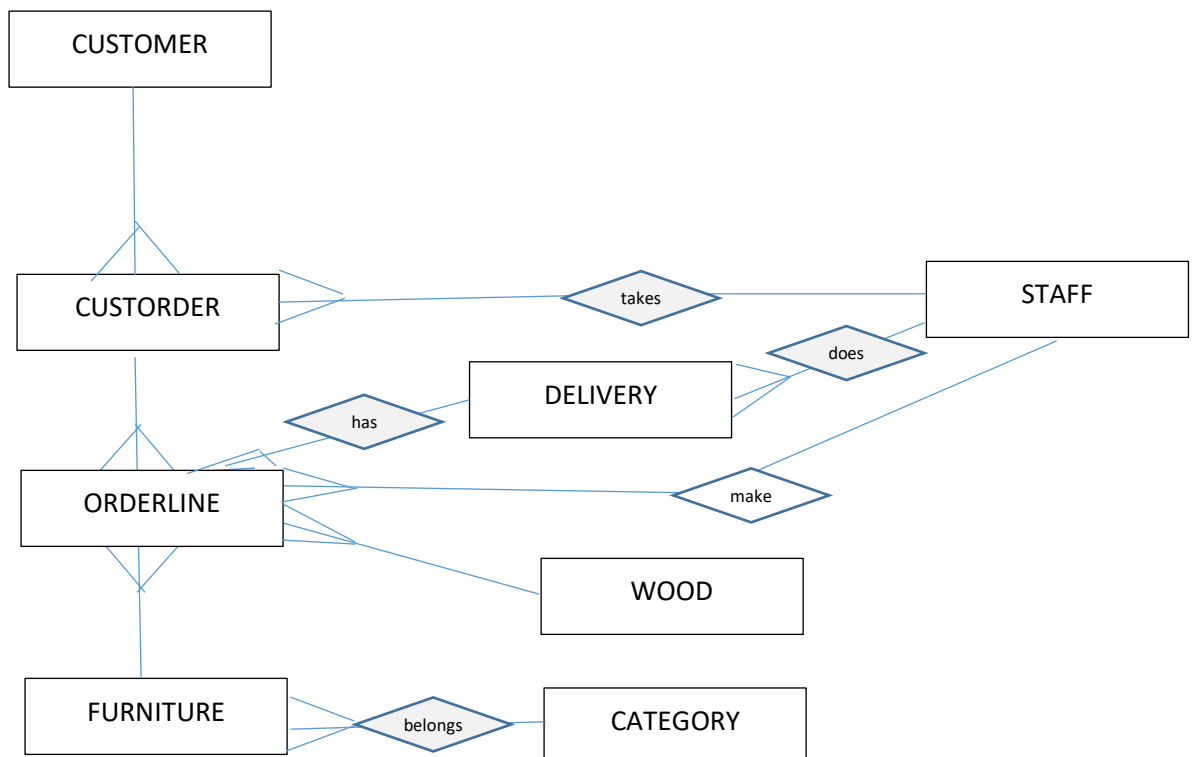
Business Case Study: Fabulous Furniture – Option #2

Relational Model

CUSTOMER	CUSTORDER	ORDERLINE	FURNITURE	WOOD
<u>Customer no</u>	<u>Order no</u>	<u>Orderline no</u>	<u>Furniture no</u>	<u>Wood no</u>
Name	<u>Customer no</u>	<u>Order no</u>	Name	name
Mobile	Order date	<u>Furniture no</u>	Price	
Email	Delivery	<u>Wood no</u>	Description	
	<u>Take_staff no</u>	Quantity ordered	Stock level	STAFF
DELIVERY	DELORDER	Status	Stock level date	<u>Staff no</u>
<u>Delivery no</u>	<u>Orderline no +</u>	<u>Make_staff no</u>		name
Date of delivery	<u>Delivery no</u>	<u>Delivery no</u>		
<u>Staff no</u>	Quantity delivered			

BR: Stock level needs to be kept up to date... and is the number of completed pieces of furniture; the stock level date specifies last time this was updated. Delivery is “Yes” or “No”; Status is “C”ompleted or “U”nder construction; part of the order maybe delivered for various reasons, the number of each item delivered is added to the quantity delivered each time!

ER Diagram



Business Case Study: Fabulous Furniture – Option #3

Relational Model

CUSTOMER	CUSTORDER	ORDERLINE	FURNITURE	WOOD
<u>Customer no</u>	<u>Order no</u>	<u>Orderline no</u>	<u>Furniture no</u>	<u>Wood no</u>
Name	<u>Customer no</u>	<u>Order no</u>	Name	name
Mobile	Order date	<u>model no</u>	Price	
Email	Delivery	<u>Wood no</u>	Description	
MODEL	<u>Take_staff no</u>	Quantity ordered	Stock level	STAFF
<u>Model no</u>		Quantity delivered	Stock level date	<u>Staff no</u>
<u>Furniture no</u>		Status		name
<u>Wood no</u>		<u>Make_staff no</u>		

BR: Stock level needs to be kept up to date... and is the number of completed pieces of furniture; the stock level date specifies last time this was updated. Delivery is “Yes” or “No”; Status is “C”ompleted or “U”nder construction; part of the order maybe delivered for various reasons, the number of each item delivered is added to the quantity delivered each time!

ER Diagram

