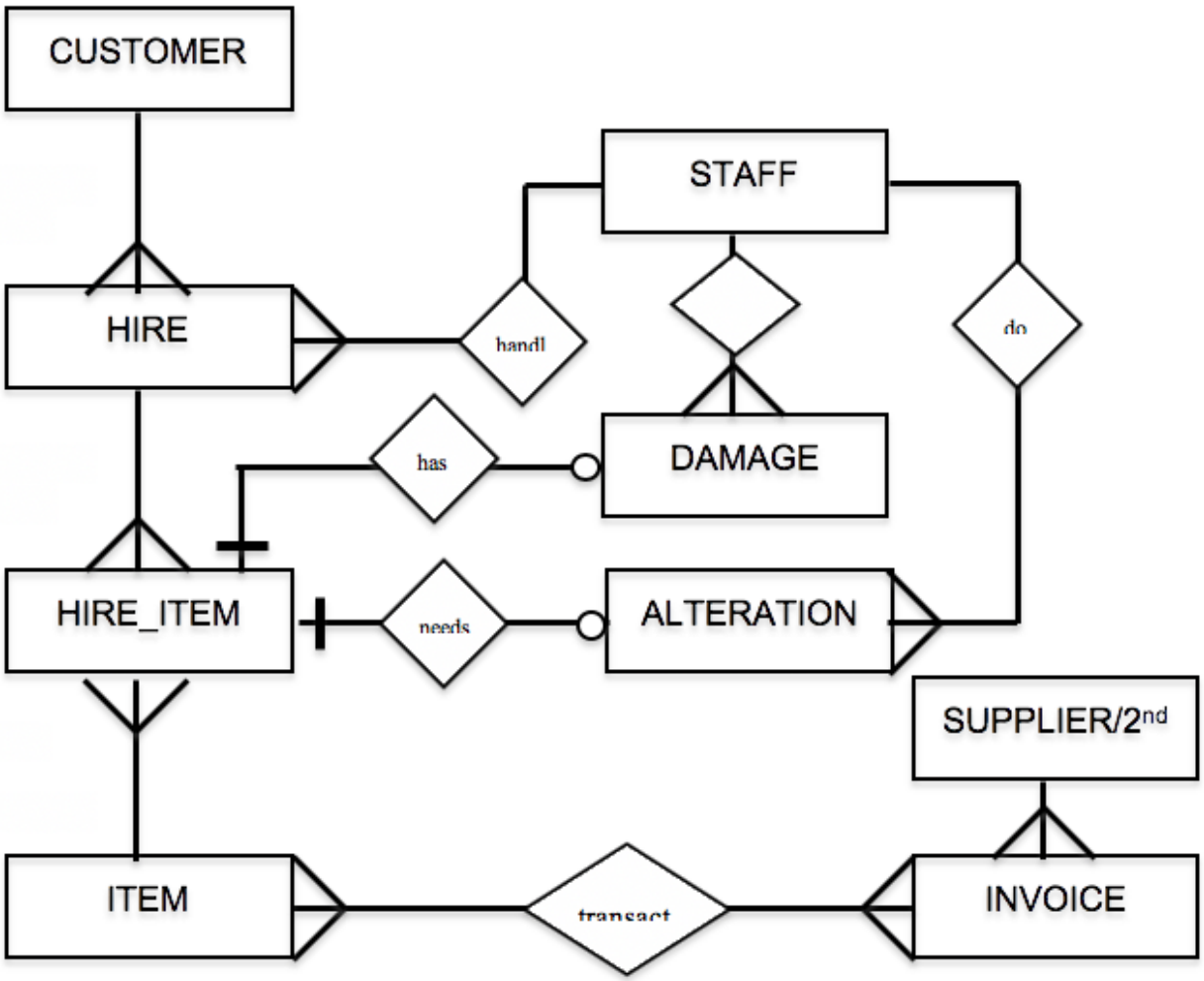
Business Database Fundamentals

Tutorial 8 - Data Modelling Exercises – HW Solution

Homework – Business Case Model 6 – Potential Solution #1

Posh Cloths Company (PCC) hires out formal wear (suits etc.).

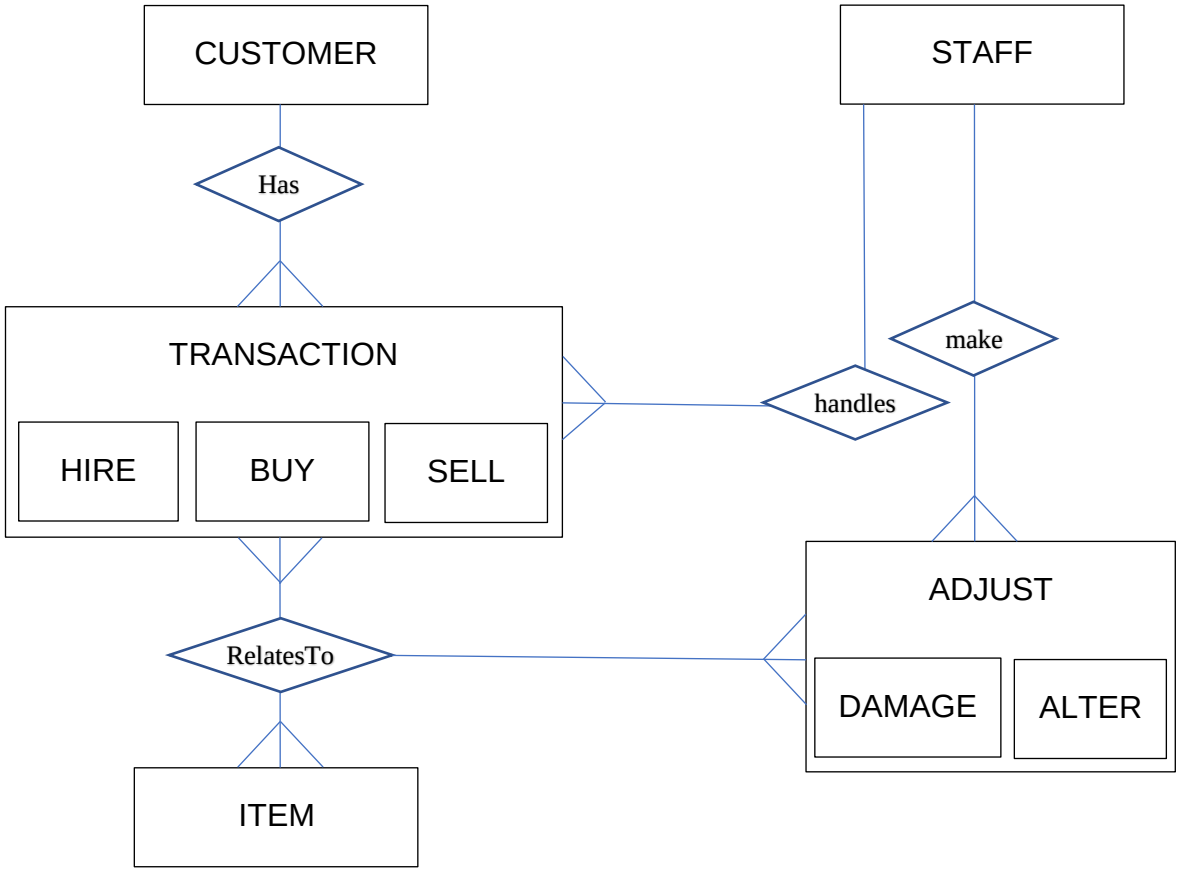


CUSTOMER	HIRE	HIREITEM	ITEM	ALTERATION	SUPPLIER
Customer_no	Hire_no	HireItem_no	Item_no	Alter_no	Supplier_no
Surname	dateOrdered	Hire_no	Name	Description	Name
Given	Customer_no	Alter_no	Description	Staff_no	Contact
Address	Staff No	Damage_no	costPerDay		Email
Suburb			ItemSize		Type (S/2)
Phone	INVOICE			DAMAGE	INVOICELINE
ItemSize	Invoice No			Damage_no	InvoiceLineNo
OtherMeasures	Type (B/S)	STAFF		Description	Item No
	DateOfInvoice	Staff_no		costOfDamage	Invoice No
	Supplier No	Name		Staff_no	ItemCost
					Quantity

Assume: Damage and alteration could be kept in attributes in hire_item, but unsure what sort of data needs to be stored so have setup as one-to-one entities with hire_item. A customer measurements are used for a hire. Each separate customer that requires hire of clothing is put up with a separate hire, i.e. a wedding party will have individual hire for each members of wedding party. ItemCost for invoice's specified on a invoice basis, changes.

Homework – Business Case Model 6 – Potential Solution #2

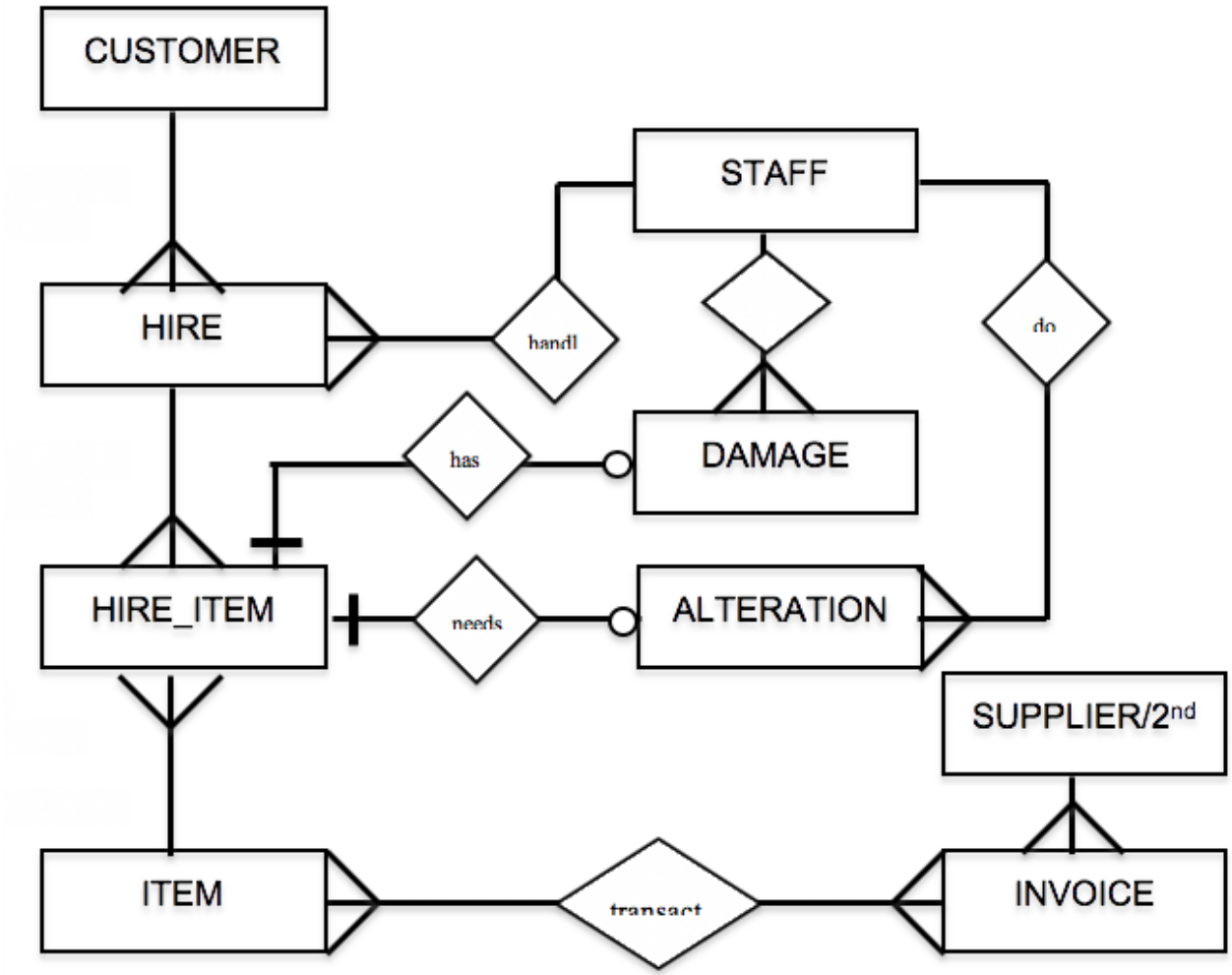
Posh Cloths Company (PCC) hires out formal wear (suits etc.).



CUSTOMER	TRANSACTION	TRANSLINE	ITEM	ADJUST
Customer_no	Transaction_no	Transline_no	Item_no	Adjust_no
Surname	dateOrdered	Transaction_no	Name	Description
Given	Customer_no	Item no	Description	Cost
Address	Type (H/B/S)		costPerDay	Type (A/D)
Suburb	Staff No		ItemSize	Staff_no
Phone				Transline no
ItemSize				
OtherMeasures		STAFF		
		Staff_no		
		Name		

Business Rules

- Type in ADJUST is either “Alteration” or “Damage”; cost relates to damage costs only.
- Type in TRANSACTION specifies either HIRE or BUY or SELL transaction which occurs on an ITEM.



CUSTOMER	HIRE	HIREITEM	ITEM	ALTERATION	SUPPLIER
Customer_no	Hire_no	HireItem_no	Item_no	Alter_no	Supplier_no
Surname	dateOrdered	Hire_no	Name	Description	Name
Given	Customer_no	Alter_no	Description	Staff_no	Contact
Address	Staff No	Damage_no	costPerDay		Email
Suburb			ItemSize		Type (S/2)
Phone	INVOICE			DAMAGE	INVOICELINE
ItemSize	Invoice No			Damage_no	InvoiceLineNo
OtherMeasures	Type (B/S)	STAFF		Description	Item No
	DateOfInvoice	Staff_no		costOfDamage	Invoice No
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					Quantity

Assume: Damage and alteration could be kept in attributes in hire_item, but unsure what sort of data needs to be stored so have setup as one-to-one entities with hire_item. A customer measurements are used for a hire. Each separate customer that requires hire of clothing is put up with a separate hire, i.e. a wedding party will have individual hire for each members of wedding party. ItemCost for invoice's specified on a invoice basis, changes.