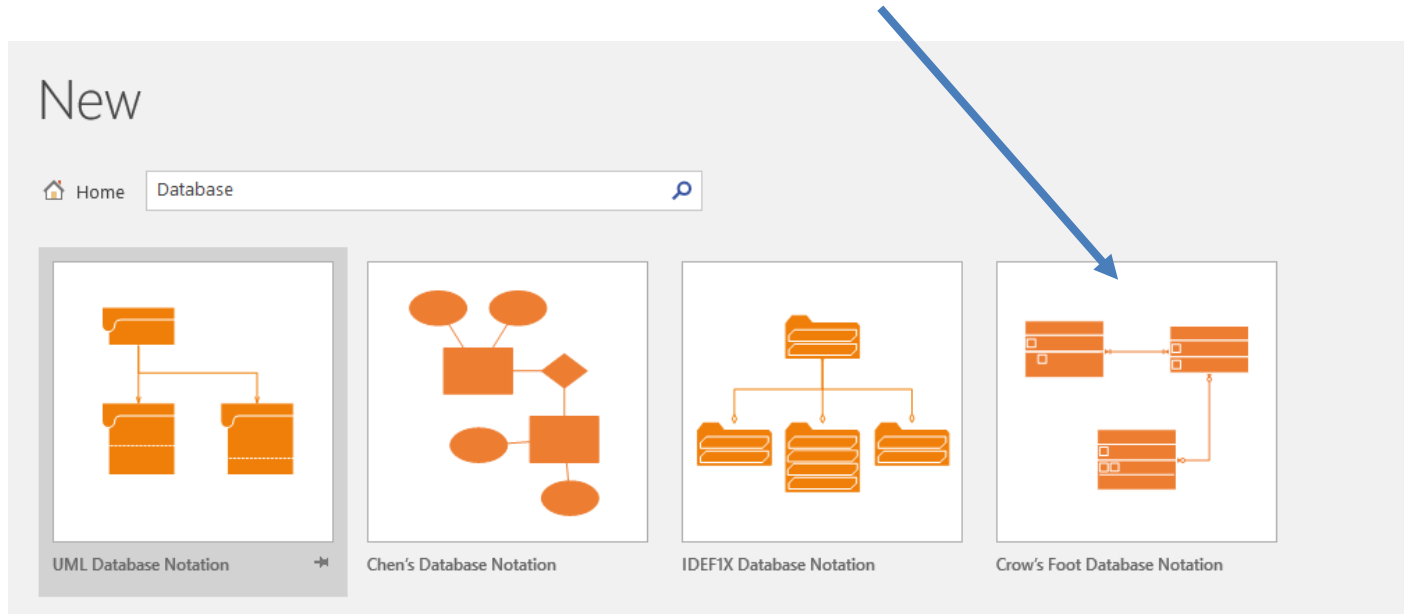


S2.5: NORMALISATION 2

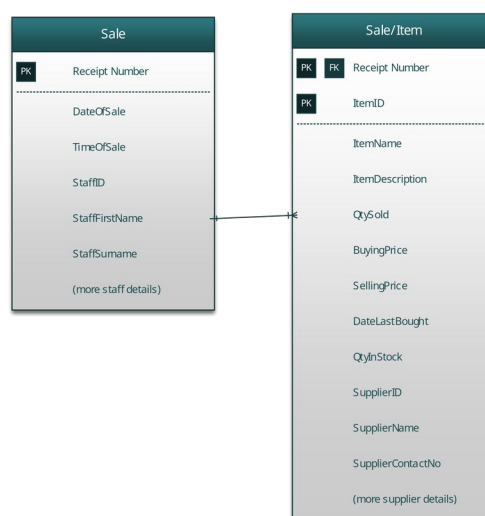
This week you are going to continue with the 1NF diagrams you created last week.

Remember to use MS Visio or similar software to draw your diagram – crow's foot database notation is best:



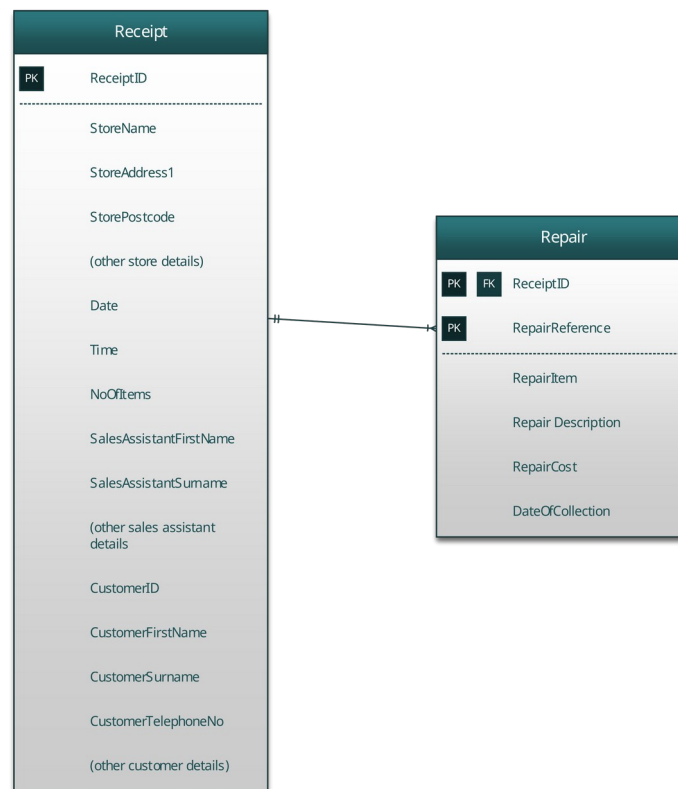
Second and Third Normal Form (2NF) and (3NF)

1. Here is the DinoLand Gift Shop in 1NF:



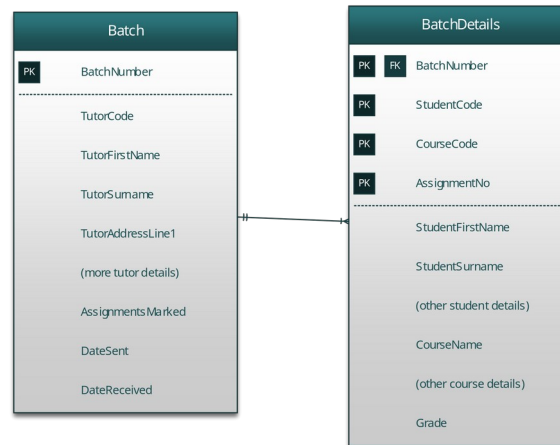
- Normalise this to 2NF, explaining and justifying the steps and decisions you have made.
- Normalise this to 3NF, again explaining and justifying the steps and decisions you have made.

2. The following is the data from the jewellery shop repair in 1NF:



- Normalise this to 2NF. Explain and justify your steps, and the decisions you have made. You may add extra fields of data to clarify your decisions.
- Now normalise to 3NF. Again, explain and justify your steps, and the decisions you have made.

3. Below is part of a Correspondence College – Tutor sub-system in 1NF. This system is intended to manage the handling of assignments submitted by students dispatched in batches to tutors for marking:



- Using this as a starting point, normalise this dataset to 2NF. Explain and justify your steps, and the decisions you have made.
 - Now normalise to 3NF, again explaining and justifying your steps, and the decisions you have made.
4. Below is an un-normalised list of attributes for a Doctor Appointment System – Normalise this dataset to 3NF. You can add attributes, but explain and justify any decisions you have made:

Doctor Appointment System - 0NF	
PK	Doctor ID
	Doctor Name
	Practice Name
	Practice address
	Practice Tel No
	Opening Hours
	Patient ID
	Patient Name
	Patient Address
	Patient DOB
	Appointment Date
	Appointment Time

Note that any work not finished in class should be completed in your own time. However, if you are behind with any work from previous weeks, please spend any remaining time finishing it off.