ERD DIAGRAM FOR ENVIRONMENT SETUP

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Introduction

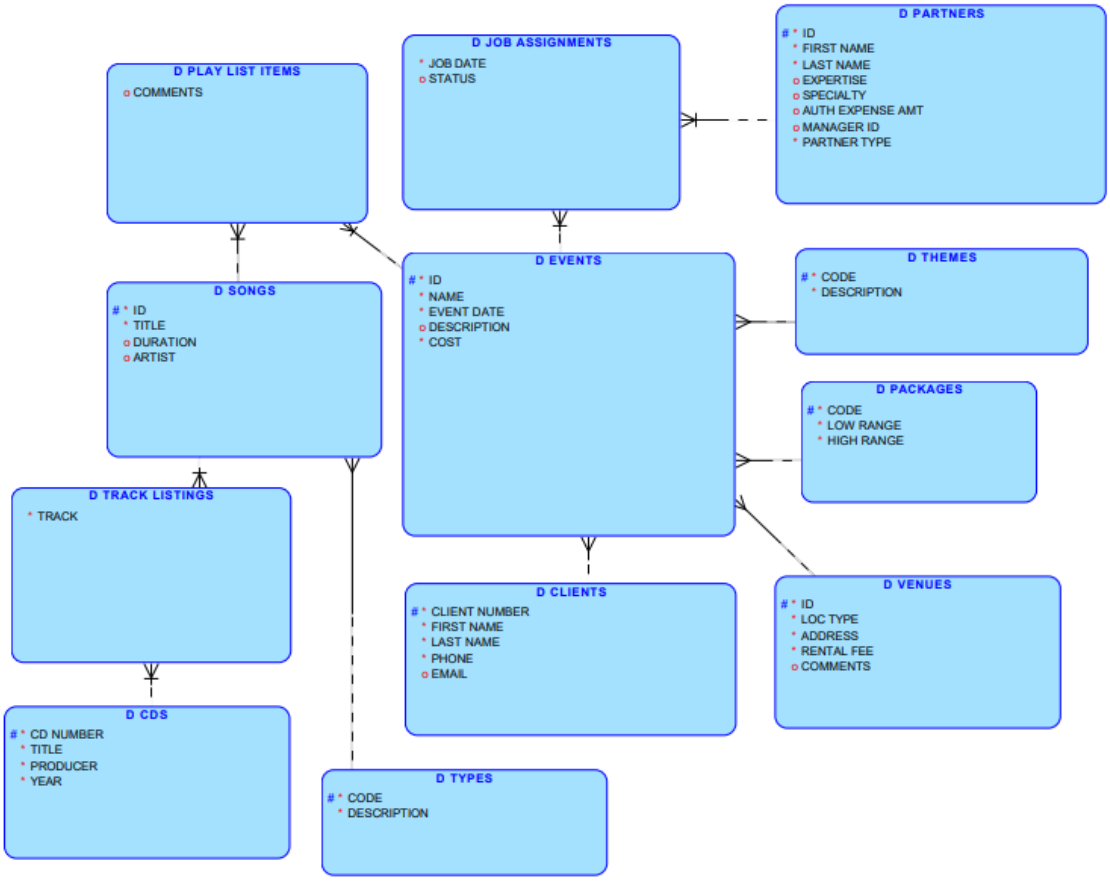
Within an organization, ERD's play a very important role as they can give you an understanding of a database simply by looking at a picture. Within SQL data modeler, there is a feature called reverse engineer that will allow you to not only generate a diagram from DDL but also to generate DDL from a diagram.

Chinook Schema Diagram

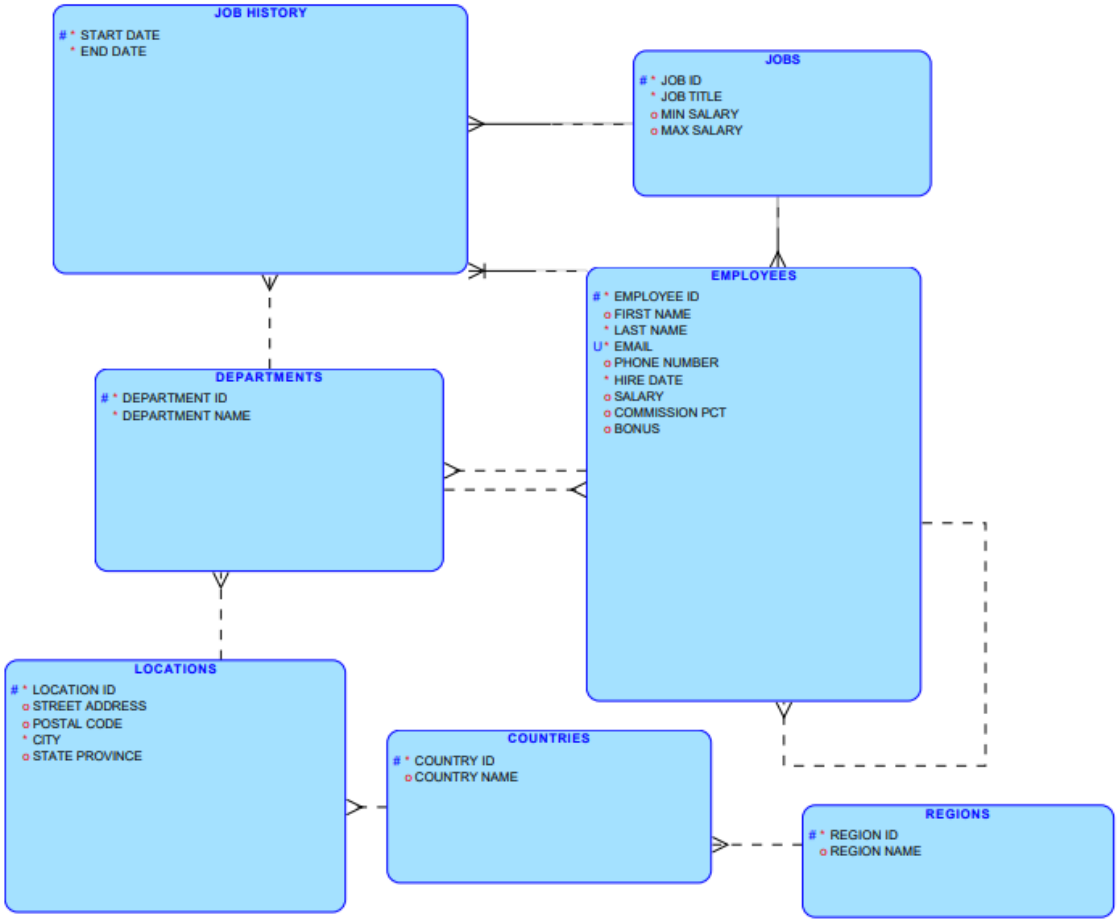
Below is a link to a PDF file that contains the ERD diagram for the Chinook Schema.

ERD_DiagramChinook.pdf

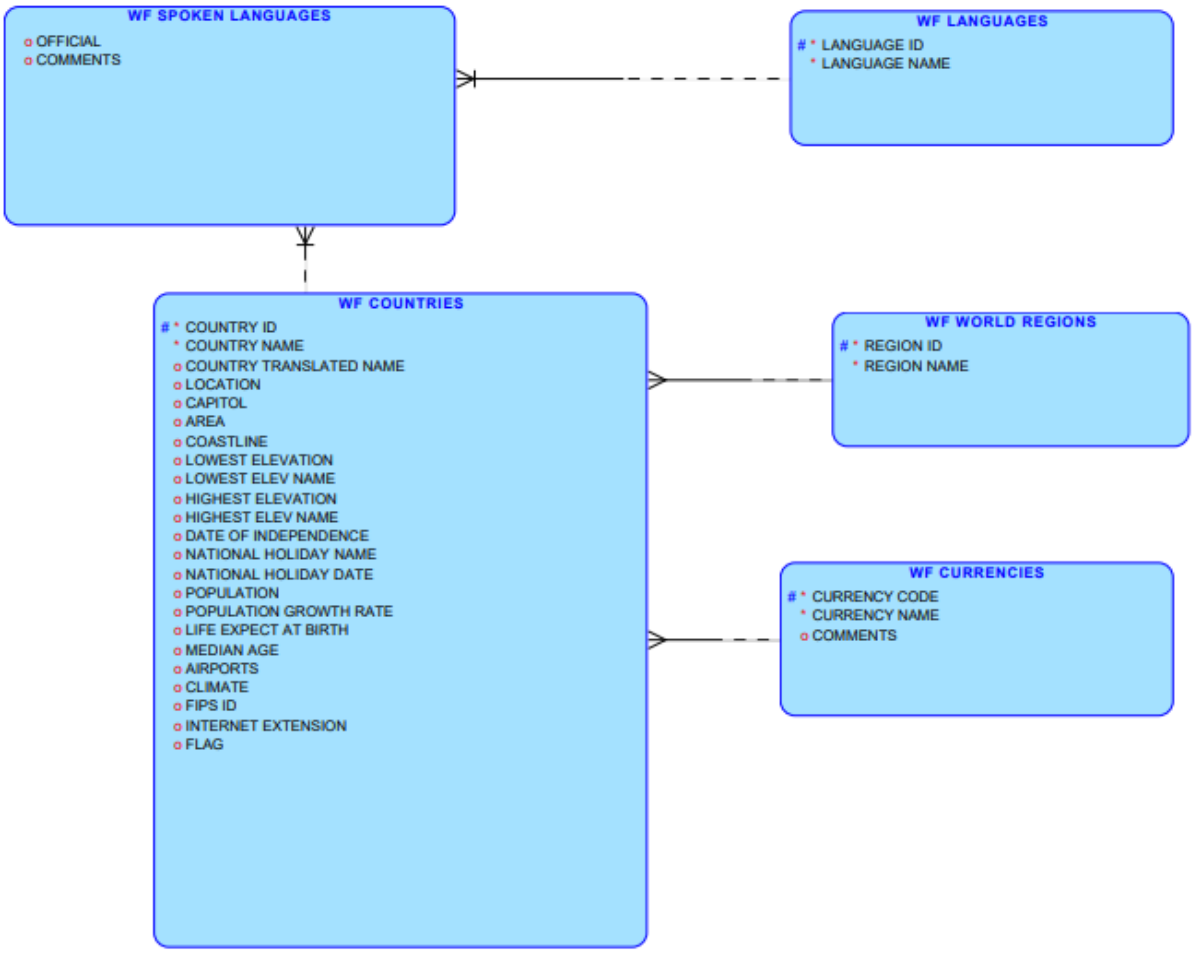
The screen below shows a screen shot of the logical model



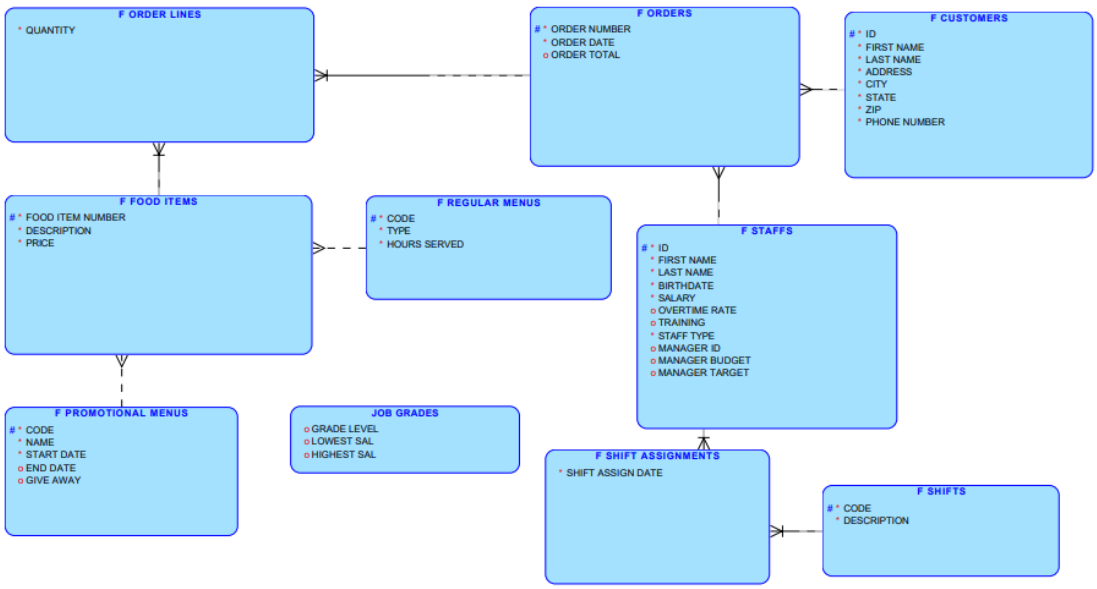
Below is another screen shot of the logical model for the Chinook schema.



Within the Chinook schema there are many groups of tables since they all don't connect using the same primary or foreign keys.



There is a table below that doesn't really connect to any other tables.

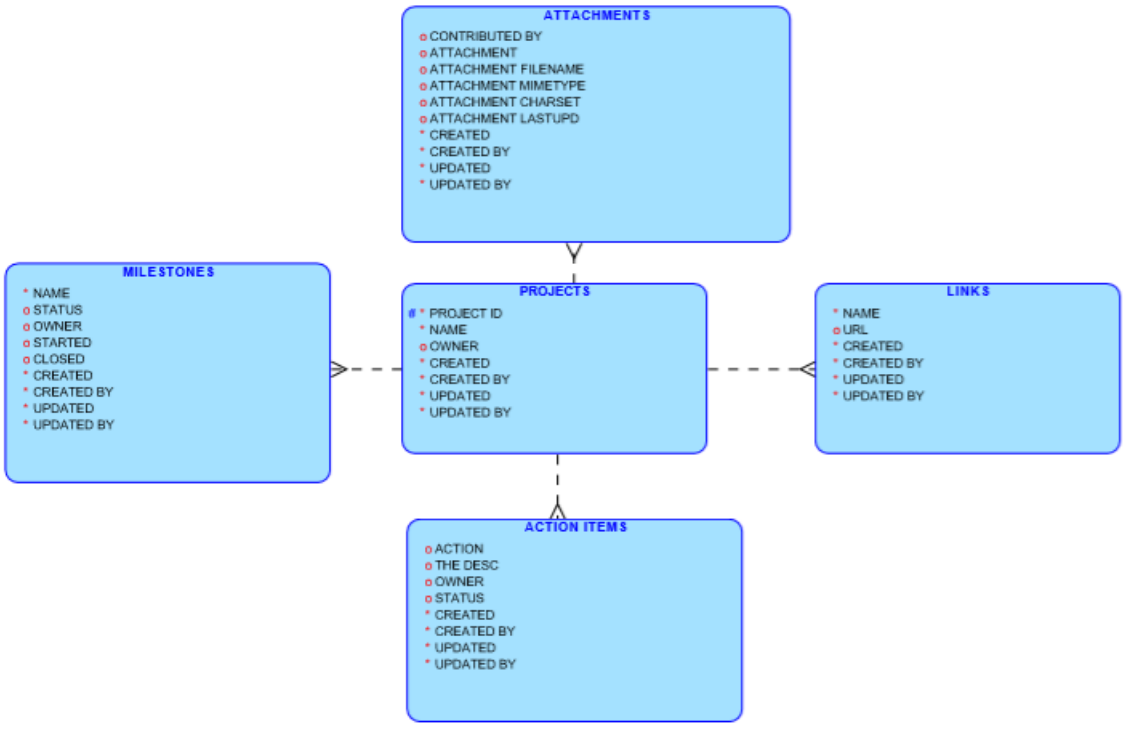


Chinook2 Schema Diagram

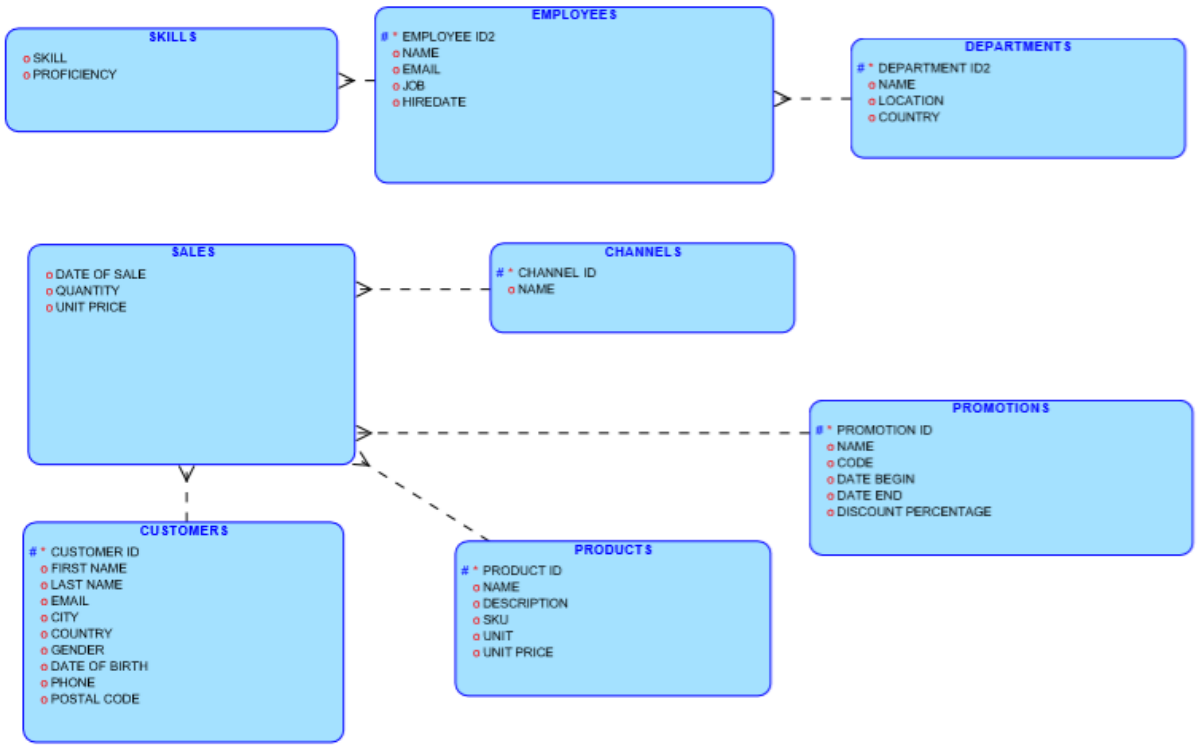
Below is a second PDF that contains the diagram for the second schema.

ERD_DiagramChinook2.pdf

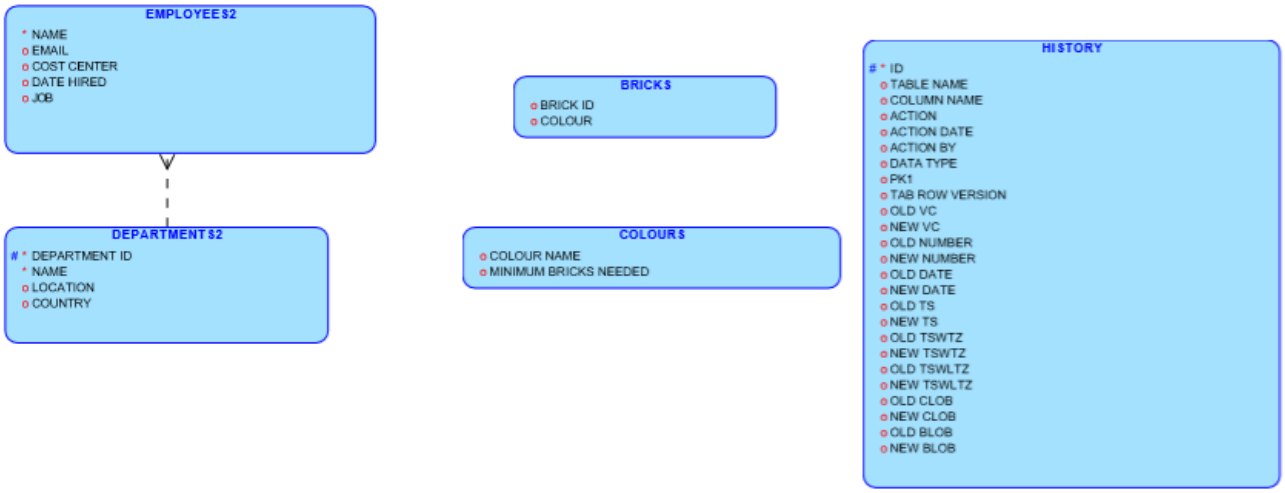
The second schema is divided into three table groups.



Below is the second table group.



Below is the third table group. As you can see 3 tables are not connected to any of the others.



Conclusion

ERD diagrams are a crucial part to managing a database and as a DBA you need to know how to use modeling tools such as SQL Data Modeler. Data modeler is a very powerful tool that can be used to not only generate ERD diagrams but your ERD diagrams can be used to generate DDL.

References

How to do a reverse engineer

https://www.youtube.com/watch?v=numjatrl4So