

Northeastern Illinois University
CS315, Modern Database Management
Homework 6

Submission: Type all your SQL code for each step AND output, then save it in a .pdf file. Submit the **PDF** file to the dropbox on D2L.

All your work should be unique and done by yourself. **DO NOT** copy answers from other students or from the internet. plagiarism is **NOT** tolerated.

ER Diagrams

For all the below problems you **MUST** use **UML Notation**. Remember to include **relationships, entities, and multiplicity** values. Submit this to the folder titled Homework #5 in the D2L Assignments tab.

1. You are implementing an ER diagram for a Pet Store! Draw an Entity Relationship (ER) Diagram only depicting the binary relationship between **Pet** and **Customer** (you do not need to worry about anything else at the store). Explain your answer.
2. Draw an Entity Relationship (ER) Diagram to depict the ternary relationship between **Car**, **Part**, and **Supplier**. Every car is made up of parts that are purchased through suppliers. Example of a part is a steering wheel. Explain your answer.
3. Draw an ER diagram of your choice (in UML notation) to depict any relationship you'd like. Add a short paragraph below it explaining it.

General Instructions:

- Do not send your files through the email!
- You should submit your work by the due date, **No** extensions will be given. (See syllabus for late homework policy).

What to turn in:

You should turn in **ONE PDF** file that contains all your answers. Submit the PDF file to the proper dropbox on D2L.