

# CPSC 3300 Fundamentals of Databases

## Project Milestone 1

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**Due: 10pm, Friday, January 26**

Design an ERD to model your database system and draw the ERD using the Crow's Foot notation on Visio or draw.io. You can add attributes for each entity in this database application as needed. Your application should provide **5 – 10** entity sets (less than 5 entities would make your application too simple; more than 10 entities is okay, but remember not to overcomplicate your application). For each entity, clearly indicate primary key and foreign key, if any. You can make any assumption on the relationship classification (1:N, M:N, or 1:1). Be sure to add linking entities as needed to convert M:N relationship into 1:M relationship. You can also make any assumption on cardinality if you would like. Be sure to correctly show strong relationship and weak relationship. It is unnecessary to involve entity supertype/subtype in this ERD.

### Submission

Use Canvas to submit one PDF file per team containing:

- Your updated proposal (update your previous email submission as needed)
- Your business rules
- Your project Entity Relationship Diagram

### Milestone 1 Grading Breakdown

Breakdown	Points	Note
Entities	8	The ERD presents enough entities (at least 5) for your application; Linking entities are added for M:N relationship; For each entity, the entity's name and attributes are provided.
Primary Keys	3	For each entity, PK is correctly indicated
Foreign Keys	4	For each entity that has a FK, FKs are correctly indicated
Connectivities	5	For each relationship, connectivities are correct.
Relationships	5	Relationships are correct. For each relationship, correctly indicate whether it is a strong or weak relationship
<b>Total</b>	<b>25</b>	