Final Demonstration Submission
CPSC 471 ~ Fall 2025

*In this in-tutorial demonstration, each team member must attend and take part. For either project, you will demonstrate the entirety of your project, with a focus on database interaction – how your code defines data, manipulates data, and retrieves data from the database.*

*Submit a full and complete EERD, relational schema, and include a discussion of the ways in which you considered normalization, and how this affected your final design. Your git repository should be updated throughout the entire course of the project with your code, scripts for constructing (and administering) your database, and any other relevant shared resources which your team has used to collaborate on the project.*

*A script will be provided to you and your TAs to standardize how you present your demo. Take care to demonstrate those aspects of your project to your TA which you feel will exceed expectations.*

**Reflection**:
*Discuss the ways in which you considered normalization, and how this affected your final design.*

By the time we had started discussing Normalization in class, the core elements of our project like our database design and entity relationships had (for the most part) been completed. This meant that any attempt at Normalization would require changing those elements which we had already begun to implement in our website. In this way, we did not consider Normalization very much, and it did not have an impact on our final design. That being said, we have analyzed our current design to identify the normal form and find ways to improve.
Our schema satisfies 1NF, as all of our attributes in all of our tables are atomic. We do not have any composite attributes, multivalued attributes, or nested relations. 2NF is also satisfied as all of the non-primary attributes are functionally dependent on the primary key.
Currently our schema is in 3NF, and this is because there is no redundancy in the way we store data, updates are committed in one place and reflected throughout, and there is no duplicate or conflicting information. We accomplished this by using ID values that were unique and referenced other tables to avoid reduplication on multiple entries.

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