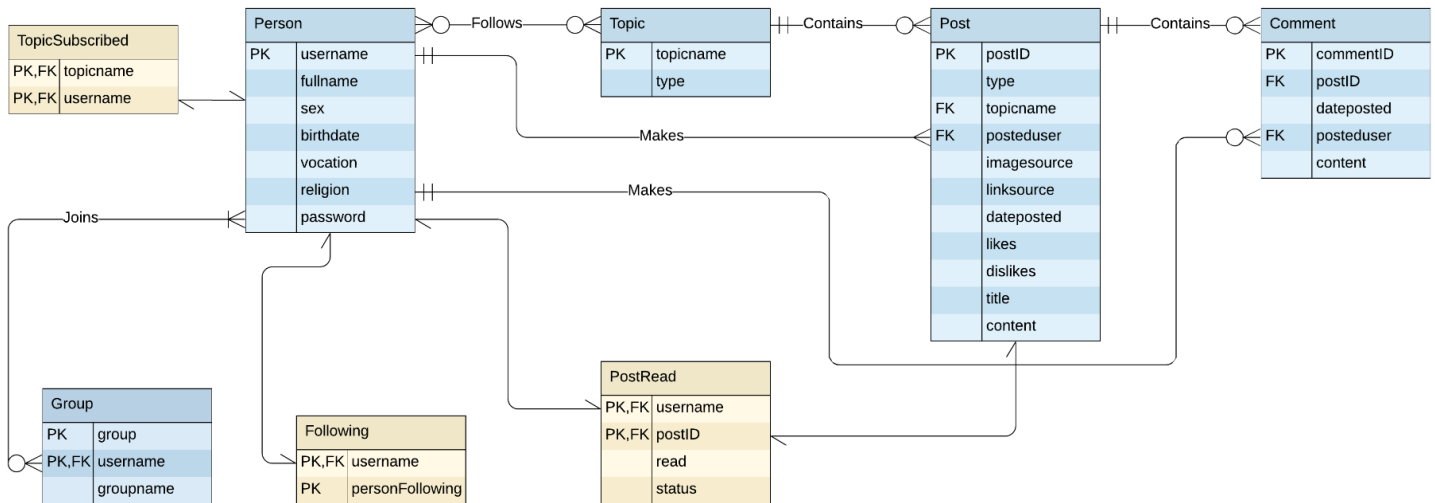


ECE356 Project Entity Relationship Diagram

ERD for database “socialnetwork”:



This diagram is created by using LucidChart, which is a professional tool used to construct Entity Relationship Diagram. The main tables in blue are the main tables, and tables in yellow are created to help making queries easier and focus on the communications between the main tables.

The connection notations are explained below:

- zero to many.**
- one to many**
- one and only one**
- general connection through foreign keys**

Relation Explanations:

A person could follow zero to many topics, a topic could have zero to many people followed.

A person could make zero to many posts, but a post can only have one author.

A person could make zero to many comments, but a comment can only have one author.

A person could join zero to many groups, but a group can only exist if there is at least one person in it (one to many).

A topic could have zero to many posts in it, but a post can only belong to one topic.

A post could have zero to many comments in it, but a comment can only belong to one post.

The data type for each attribute could be viewed in “socialnetwork.sql” where tables are created and data are generated.