

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 25

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Description

What is the domain of the application? Describe it. The domain of an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like healthcare/patient management/logistics (it would depend on what the application is trying to do).

What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

We are making a database for a social media platform inspired by the popular application Reddit. This social media platform will have similar features, but with our own tweaks. Our domain will be social networking.

Our domain will model basic social networking concepts, such as users, communities, posts, comments, messages, attachments, chat rooms, and awards.

Database Specifications

What functionality will the database provide? I.e., what kinds of things will people using the database be able to do.

The user interactions are modeled in the relationships between entities. Users can join communities, follow other users, make posts and comments with attachments, give awards to and upvote/downvote posts and comments, and enter chat rooms (which may belong to a community) to message other users.

These relationships stored in the database will allow us to track users and their communities, chat rooms, posts, comments, and followers. Additionally, by identifying a post or comment, the database can provide information about involved users and communities, awards, attachments and upvotes and downvotes. Chat rooms also contain information that allow us to track users in the room, and its messages (which may contain attachments).

Description of Application Platform

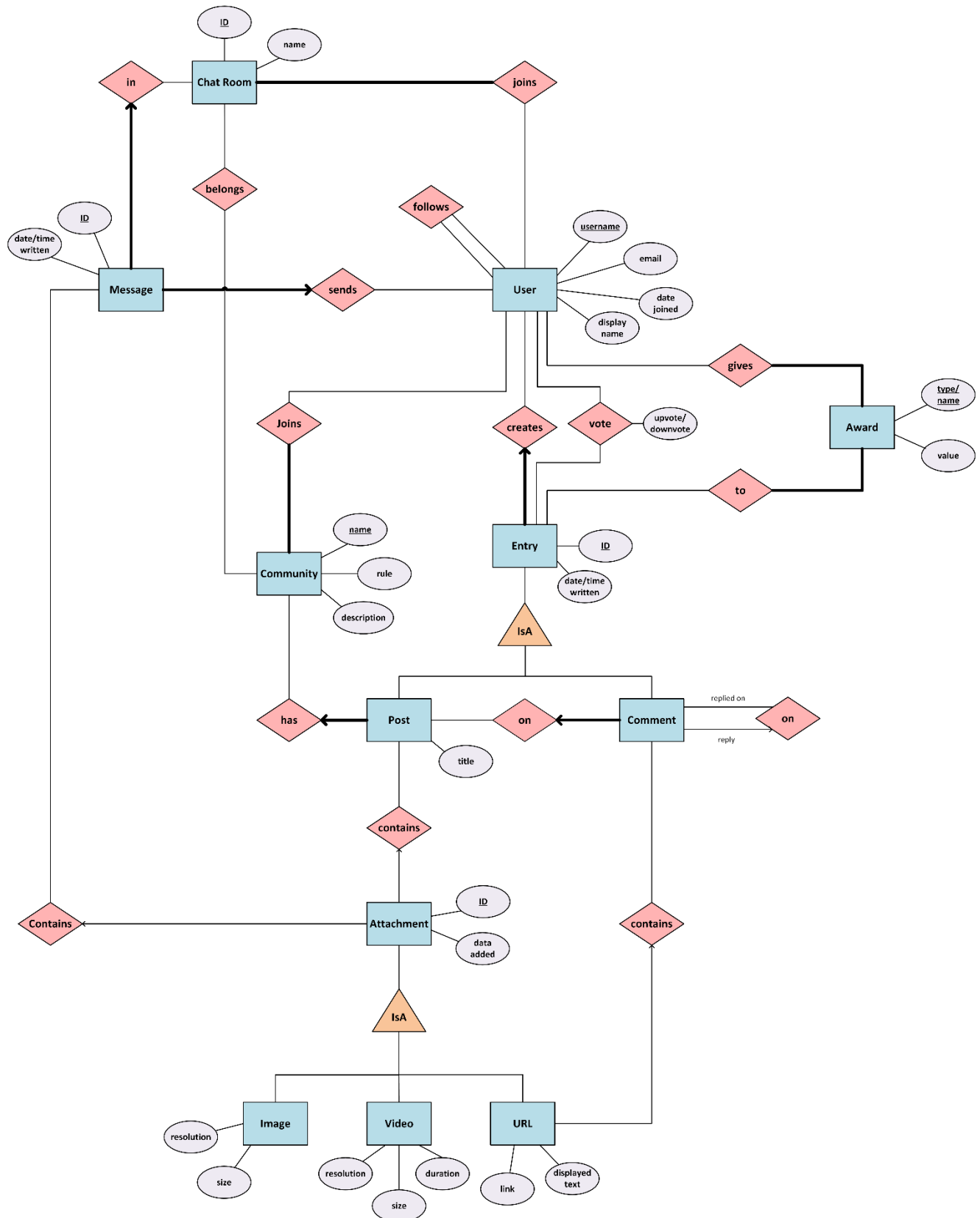
What database will your project use (department provided Oracle, your own MySQL, etc.)? See the “Project Platforms” section of this document for more information.

What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)? See the “Project Platforms” section of this document for more information.

You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials

Our database will use the provided Oracle server. We will use PHP for scripting and JavaScript as a programming language and SQL for queries. Version control will be managed by GitHub.

ER Diagram



NOTE:

- IsA has a total + disjoint constraint
- vote has a boolean attribute of upvote/downvote. 1 if a user upvotes and 0 if a user downvotes

Extra constraint:

- Attachment has to belong in at least one of either a post or a message