University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: ____1____

Date: _Feb.8th 2024_____

Group Number: ____61_____

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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

Project description:
2a)
Social media networking (specifically on Instagram) refers to the methods and technologies that enable online communication and interaction between people or organizations. The project domain revolves around the creation, sharing, and exchange of user-generated material, together with the building of virtual social media networks. In detail, it involves user profiles, content management (posts, stories), social interactions (likes, comments), networking capabilities (Accounts can follow other accounts), and engagement metrics (likes, hashtags, notifications).

2b)
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 In your questions, you will bring up examples of a real-life situation that the application could be applied to.

We look to model each individual user as an entity and link them with multiple accounts, we wish to store their profile information such as usernames, follower counts, following counts, as user-specific attributes. We then look to model the interactions between various accounts through their ability to follow other accounts. We also model the types of actions accounts can make, such as commenting on other posts, liking other posts, and posting difference categories of posts (text posts, image posts, carousel posts).

3. Database specifications:
The database provides information and access to engagement metrics tracking, social networking, and look-up capabilities**.**

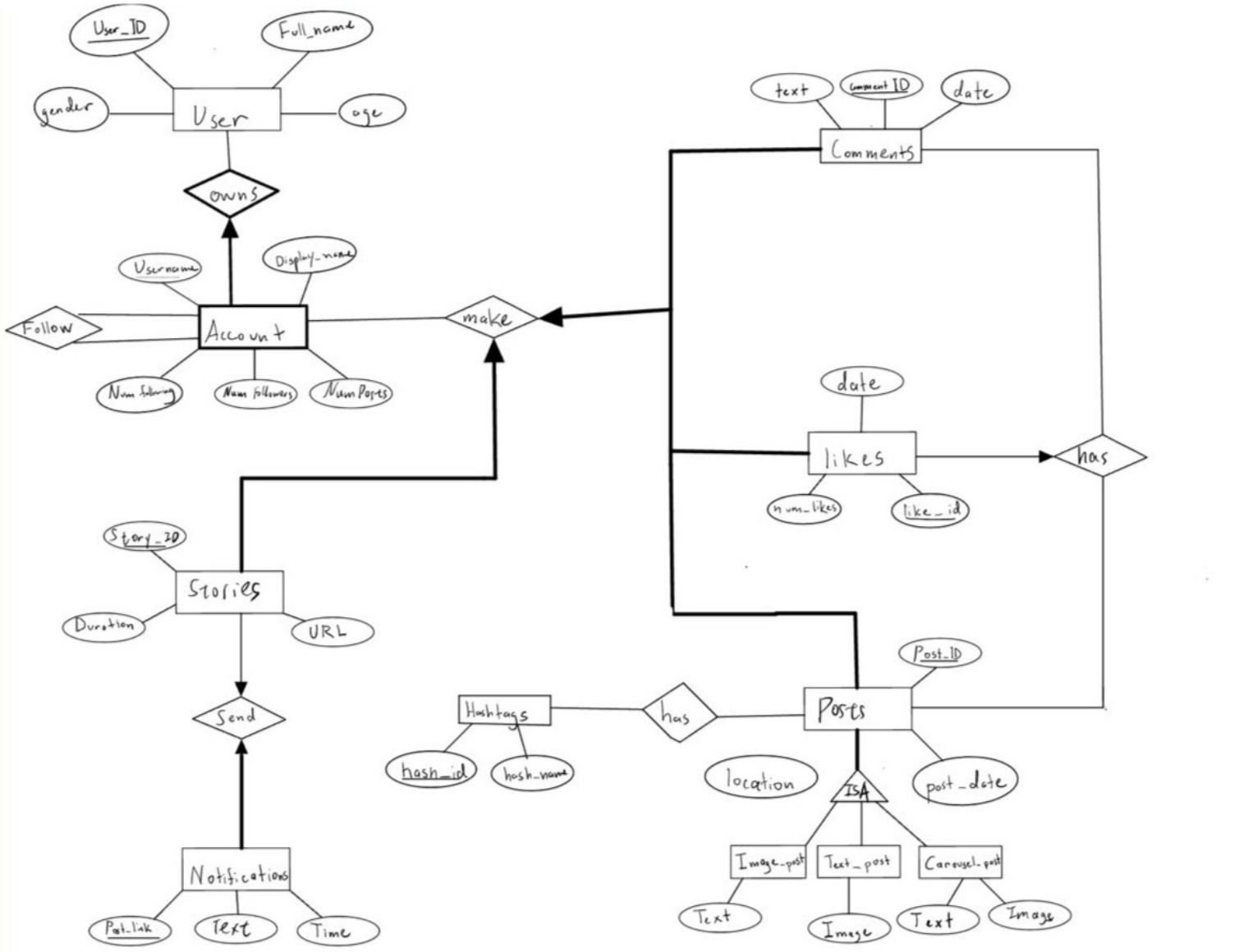
- Engagement metrics tracking: The database can track general user interaction statistics, including the number of likes, comments, shares, and views for every piece of post.

- Social networking: The database can keep track of the followers and the people followed by the user, thus maintaining a record of the user's social circle.

- Search abilities: We want to classify posts using certain attributes, such as location, and date. This will allow users to be able to look-up a certain location, timeline or hashtag, and be given a pool of posts that satisfy the search.

4. Our project will use Oracle as the platform, and use C++ as primary back-end programming languages, and SQL for storing and processing information for the relational database.

ER Diagram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