University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

Date: 10/3/2023

Group Number: 1

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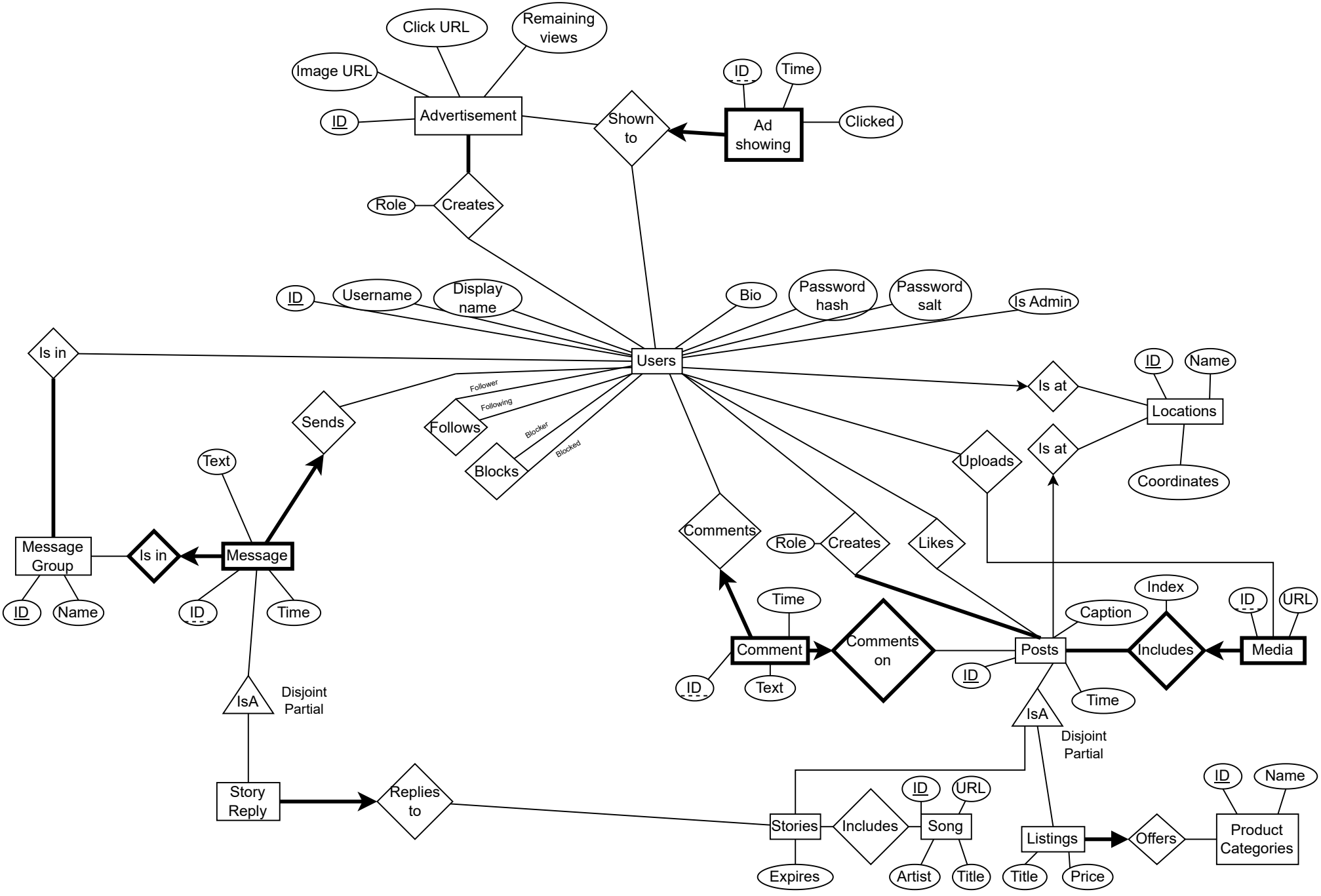
By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, 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:
The domain of the application is social media. The goal of this database is to provide relevant data to the employees of a social media company. It specifically focuses on the user experience within the social media service by gathering data on various user activities on the platform. These activities include: being in a message group, sending messages, reacting to messages/stories, liking posts, commenting on posts, creating posts/advertisements.

Database Specifications:
The database is intended to provide user activity information to the social media company to enhance their services. The use cases include, but are not limited to: content moderators accessing the activity data of suspicious users (e.g., likes, DMs, comments) to efficiently ban the users who violate the guidelines, AI engineers using user data to refine the content recommender system by analyzing interactions with various users/content, and support staff accessing the user data to resolve an issue on the user's side (e.g., account getting stolen or banned). Overall, the database enables employees across the company to improve user experience by effectively using data.

Application platform:
We will be using Oracle since it offers an advanced and efficient RDBMS and also the CPSC department offers a ready to use Oracle server. We will be pairing it with Node, which allows server-side JavaScript execution and asynchronous database operation handling which is suitable for real time applications like social media. By combining Oracle's efficiency and Node.js's real-time capabilities, it will be able to meet both performance and scalability requirements for a social media database.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