University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: ___1_____

Date: ___2023/2/5___

Group Number: ____37_____

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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

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Project Description
This project will focus on Steam, a popular online game distribution platform launched in 2003. Unlike regular retail business and online shopping, the Steam platform includes many other functions for the users/players like "Community", "Sales Event" and "In-game items trading market", aiming to improve the user experience. Thus, instead of focusing on the transaction, our group wants to focus on the domain of user habit. For example, we will include several entities like user, community, company, sales event, genre, support ticket, and game. More details about their relationships and assumptions can be found in the following ER Diagram section.

Database Specification
Our Steam database will provide a wide range of functionality. Firstly, we are hoping that our database can be used for marketers to perform customer behavior analysis and assist the company's future marketing plans. We believe our project will be able to help answer the questions like: "Which games/game genre has the most active gamers community?" and "How efficient the sales events are". Additionally, we also want our database to be used by the publisher/developer to determine potential updates and improvements. Moreover, this project will provide an opportunity for players to find their next favorite games by searching for trending games or new game releases.

Application Platform
Our group is planning to use the Oracle server provided by the department with PHP. We will use version control to periodically commit our code to the assigned repository.

ER Diagram

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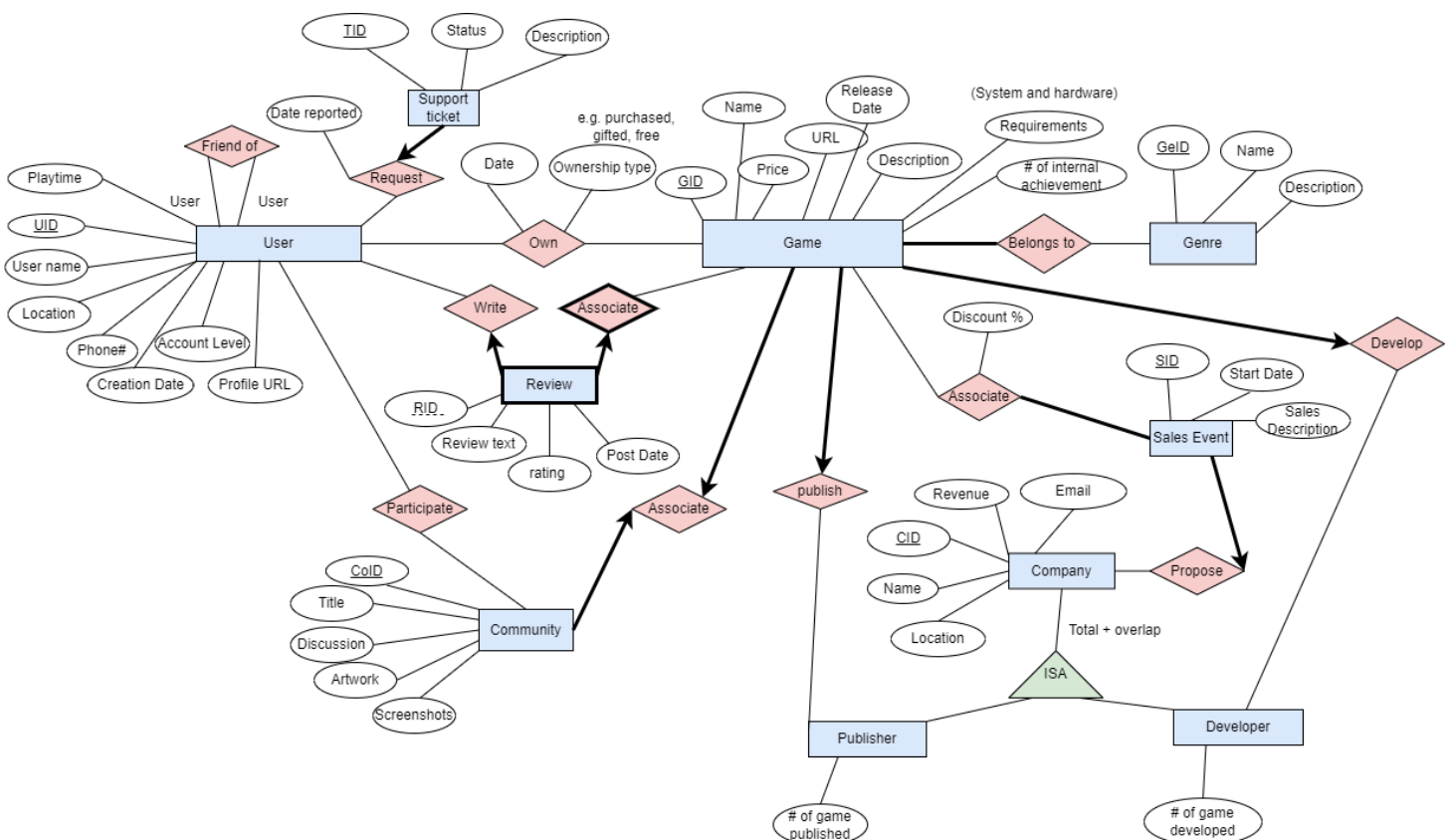
Assumption

1. A support ticket can only be submitted by one user.
2. Ownership type includes gifted, purchase, and free.
3. A game can only be published by one publisher.
4. A game can only be developed by one developer.
5. Company can only be a publisher or developer.
6. A sale event must be proposed by a company.