

CPSC 304 Project Cover Page

Milestone #: 1

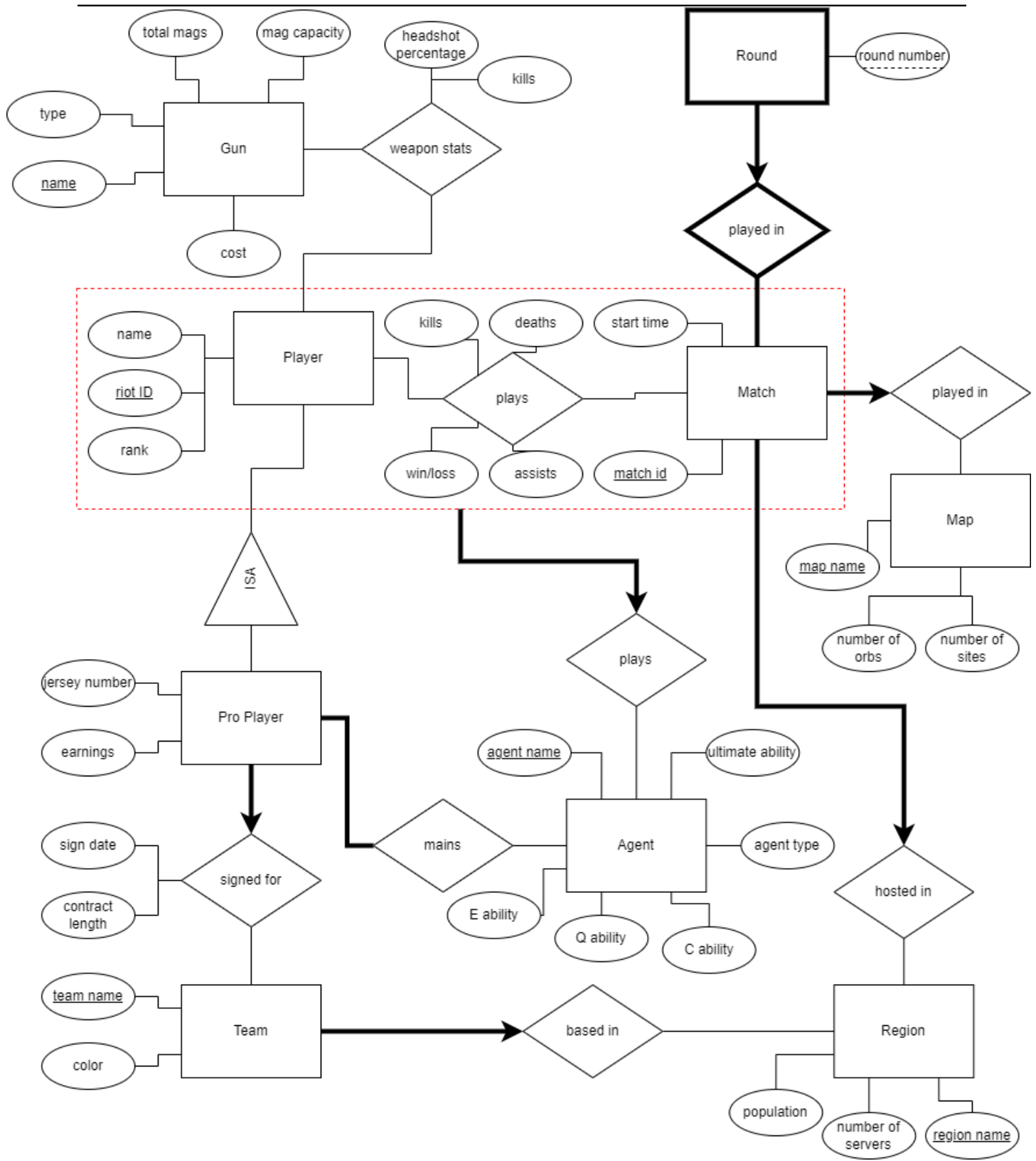
Date: 2024-10-01

Group Number: Group 106

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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



What is the domain of the application? Describe it.

The domain of our application is **statistics management** for the game, Valorant. Valorant is a first-person shooter game where matches are set on a map between two teams of 5 players. The purpose of the application is to track and analyze data of Valorant matches such as player performance on certain agents, headshot percentage and previous match records.

What aspects of the domain are modeled by the database?

This project focuses on modeling the various entities and relationships in Valorant such as players, matches, agents, maps, teams and region. The application could be used to track and manage data related to professional players like the matches they participate in and the statistics surrounding their performances.

What functionality will the database provide?

This project could help manage large volumes of esports data, ensuring accurate and efficient tracking of player statistics, match outcomes, and in-game data, providing valuable insights for teams, organizations, and the entire Valorant community. It can either be used for professional gaming events track down or casual everyday gaming record management, provided some minor changes in data model. In a real world scenario, The coach of a professional team might want to use the application to analyze how well a team or a player performs on a specific agent, map and gun.

Description of the application platform

Our project will use the Oracle server provided by the department for the database. Our provisional application technology stack is Oracle with JavaScript.