

CPSC 304: Project Proposal:

Anime Database

Project Description

Our group plans to model Anime (Japanese animations) as our domain. In order to do this, we will be linking data to do with different aspects of production, characters, statistics, and other useful information to Anime viewers.

This project focuses on classifying features of interest to Anime viewers. The domain of our model encompasses information on animation studios, character traits (i.e. gender, personality, hero/villain status), genres (i.e. fantasy, sports, shoujo, shonen, isekai), and voice actors. Additionally, our database will also be modeling the domain relating to soundtrack production for each Anime. This domain will cover the types of music (e.g. opening track, or background music) as well as the recording artists. Finally, we will also focus on incorporating the domain of source materials in our database. Because the large majority of Anime is either based on a Manga or Light Novel(LN) we will include data on them as well so that users have access to them as well.

Database Specifications

Our database application allows users to search for Anime with specific criteria easily. In addition to this, it would also be possible in the future to implement a recommendation system incorporating our database that could be used by streaming services. If a user has a history of watching Anime from a specific studio or writer, such a recommendation system increases the likelihood that a user watches a less-popular anime from similar creators that they otherwise would not have found, benefiting the company behind its production.

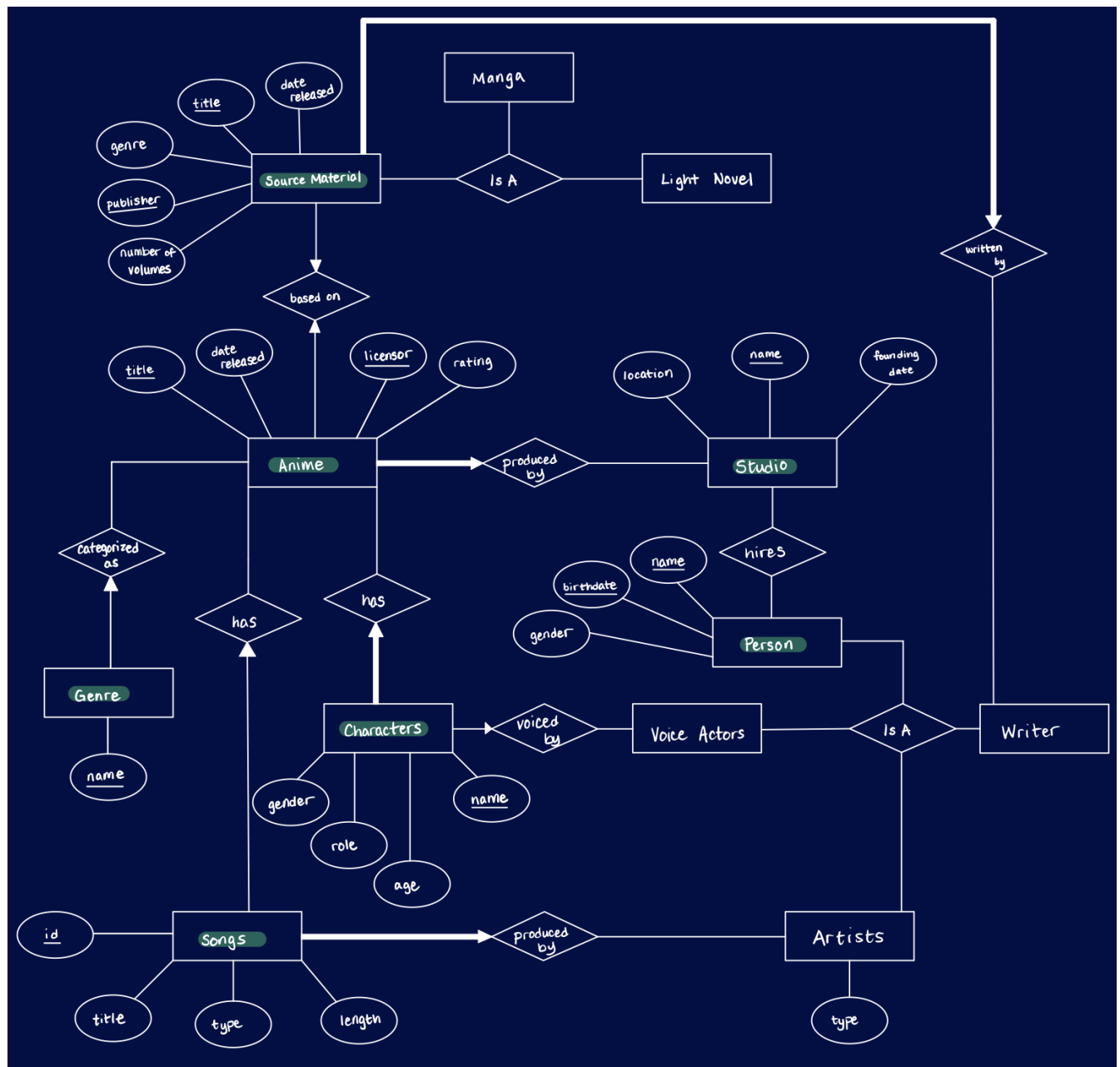
In contrast, when it comes to individual users, they are able to input their own criterion to search for similar anime that suit their tastes. In terms of functionality, this database intends to utilize the user's input criteria to find Anime based on their preferences, and will be extremely helpful to new Anime viewers who might be unaware of anime titles, studios, or writers.

Thus, our database currently aims to cater two two classes of users: Anime viewers, and streaming services.

Description of Application Platform

This project will be facilitated using UBC CPSC department's Oracle database system as our technology stack, alongside JS technologies (React.js) for UI implementation. PHP will be used as our application platform.

Anime Database: ER Diagram



*Highlights indicate each of our 7 entities. Rather than including a weak entity, our database implements two ISA relationships.