

Project Description

In a world where streaming services are constantly increasing in number and size, the amount of content available to the average user is growing sharply. As a result, it is becoming increasingly difficult to keep track of movies and shows that have been released and will be released. Focusing on the domain of video streaming, our application is designed for users to stay up to date with their favourite streaming services.

The application will be powered by a database designed to collect detailed data regarding streaming services available in countries across the planet. Our database will model users and their watchlists, that contain movies, shows and episodes, available across a wide array of streaming services. Data regarding the two content types, such as genre and language in which they are available will also be tracked by the database. Additionally, the streaming services on which the content is available will also be tracked. Users can leave reviews on content to give their opinion on a movie/show that can be seen by other users.

Having watchlists will enable users to not only keep track of movies and shows of interest, but it will allow them to bring together information pertaining to the content available on different streaming services right in one place. Furthermore, this would address issues such as someone wanting to watch a movie but not knowing what service it's available on.

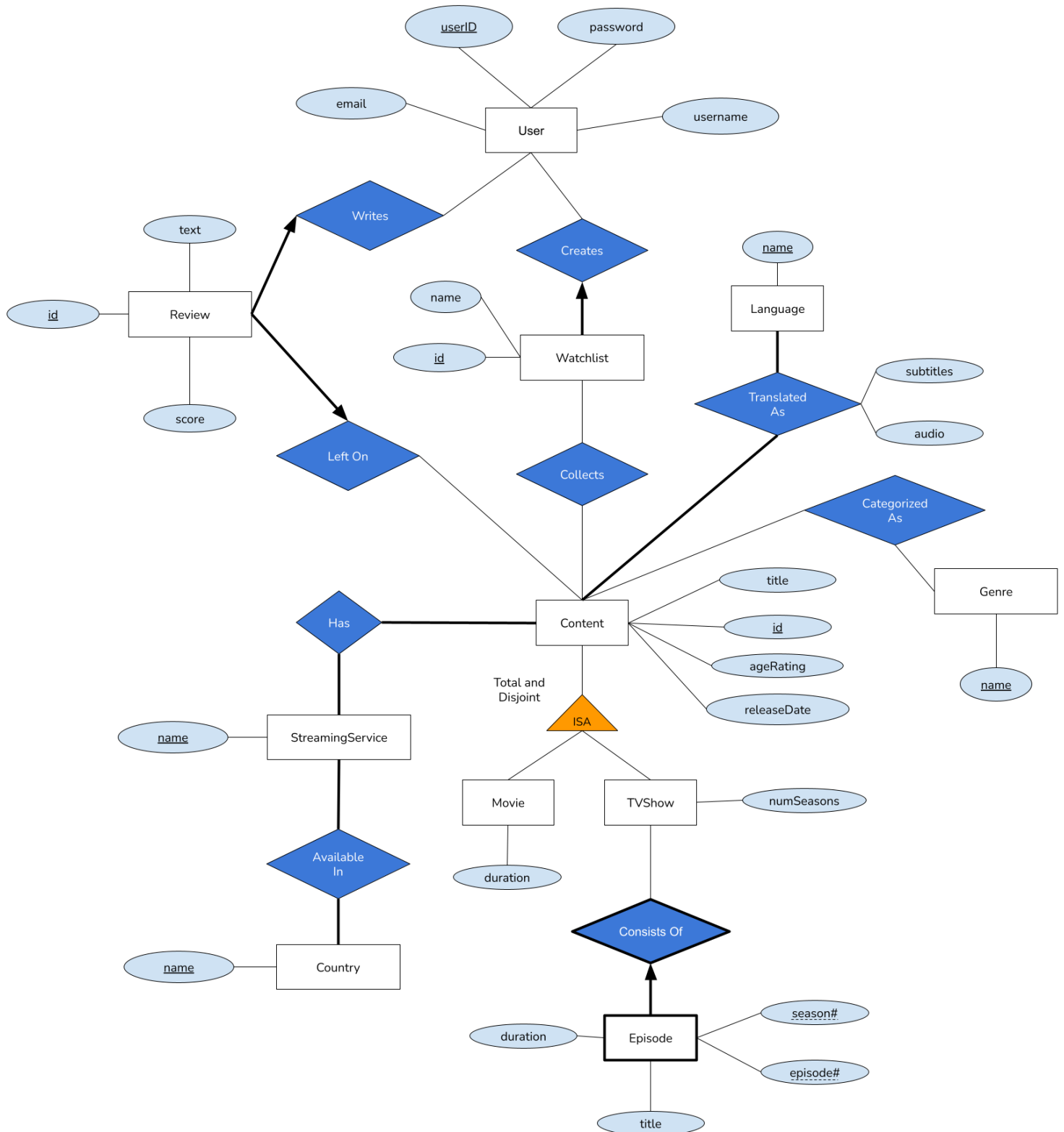
Database Specifications

Our database will enable the creation of an application that will allow users to track movies and TV shows across multiple streaming services. It will allow them to see what countries the various streaming services are available in, as well as what content is available on each of them. They will be able to leave reviews on the content and create watchlists of content they want to watch.

Application Platform

For this project, we plan on using the department-provided Oracle server. We will be using JavaScript/Node.JS for our application development.

ER Diagram



ER Diagram Notes

- Country, Genre and Language only have one attribute because they only convey meaning with regards to the entity they're in a relationship with and they need to be entity sets because multiple of them can be associated with one of the corresponding entities (i.e. Streaming Service available in multiple countries, Content categorized as multiple genres, etc.)
- UserID is the primary key of User since users may be able to change their username and email, so they will have a fixed ID that will always be used to identify them on the database side