IMDb Anime Dataset Analysis Platform

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Introduction

1. IMDb Anime Dataset Platform is an online database of anime-related information. The users could register their account and log in to the platform to search for the anime they want to watch.

2. If the users love some specific anime, they could add them to their favorites so that they can check this anime later in their favorite anime list without searching.

Our Motivation Compared to Existing Software

1. We completed most of the components for our proposal, but unfortunately, we still miss some of the components that we do not have enough time to work on.

2. We do not have time to do predictive modeling, top popular, and data visualization.

3. The reasons are that because of the time constraints and some communication effectiveness, we did not catch up with

the planned progress we made at the beginning. Even though we try to complete the components as much as possible, we still miss some of them.

Reflection

We think next time we could start the project earlier because most of the time we try to work on the project after we complete all of the other class assignments. And also we should communicate effectively with each other without wasting time on repetitive figuring out the same thing.

Technical Architecture
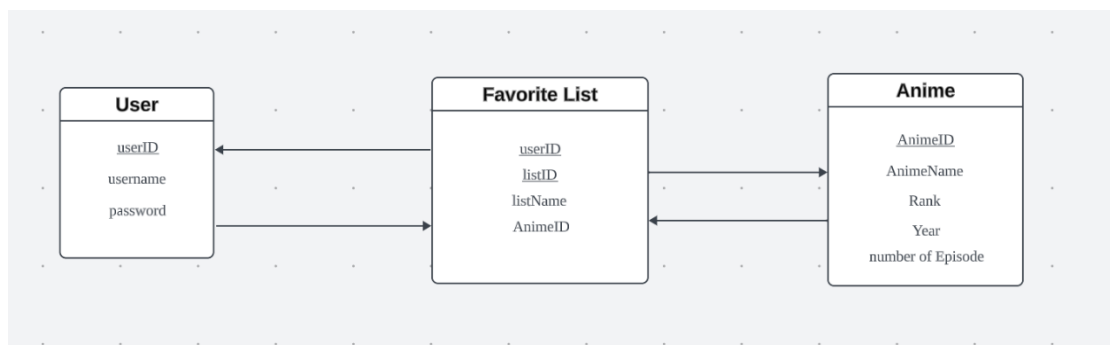
This is the relational database for our backend in this project. Users can log into our website with their created account. If not, they could create an account with a personal password. Furthermore, if users love certain anime, they could add them to their account's favorite file, which they could see in their account.

Development

1. Database

Our team did not communicate effectively during the task-assigned process. One team member thought we were using a MySQL database while another used SQL Server. This led to a significant waste of time in the database development process.

The issue was resolved when the member who was writing the code realized that the methods for writing the database were different.

2. Back-end

We meet an issue when we try to connect the backend with our front end. The problem is that our front end cannot interact with the backend. Our front end is attempting to store user account information in the database, but it appears that the back end is not adequately receiving the data sent from the front end.

This problem presented significant hurdles in our workflow and data management process. After a thorough investigation and collaborative efforts, we identified the root cause: there was a mismatch in the data format expectations between the front and back ends. By adjusting our data serialization methods and

ensuring consistent data schema across both ends, we were able

to resolve the issue.

Role

Wentao: database, web development, and connection between the front-end and back-end

Jaiyin: Web development and connection between back-end and front-end

Boqin: data preprocess and data visualization

Minghao: data preprocess and web development