Olympics Gateway

Project Summary

The Olympics Gateway web application is designed to be a comprehensive and interactive hub for all things related to the 2021 Tokyo Olympic Games. The app provides statistics such as medal counts and detailed information about various disciplines, countries, and athletes.

The app has a system for rating and comment. Users can rate and comment on athletes, countries, disciplines, and even coaches, allowing for a diverse range of perspectives and opinions. The app also features a user account system for registration and login. Users can log in to access their past comments and ratings.

Description

The key idea of the app is to build a community of Olympics enthusiasts. The app provides detailed information about athletes, countries, disciplines, and coaches. We recognize that users are interested in comparing athletes and countries. So our design features a friendly user experience. The key data are displayed along their relation with other data, allowing users to navigate easily.

The app fosters a sense of community among Olympic enthusiasts. The nested comment system encourages users to share their thoughts, engage in discussions, and exchange ideas. The nested comment system allows users to enjoy long and in-depth conversations with multiple people.

Usefulness

Our website provides a platform for sports fans to look up results on their favorite disciplines, athletes, coaches, and teams during the Tokyo Olympics 2021. Its purpose is not only to provide statistics to the users but also a place for users to discuss and share opinions. While the official Olympics website has similar information about athletes and events, it's mainly an informative platform without any user interactions. In contrast, our website wants to improve user experience by introducing features such as a rating system and a commenting feature, allowing users to rate athletes and participate in different discussions.

Realness

Our data is about the 2021 Tokyo Olympics. We get the data from the list selected by our teaching staff. The link is
https://www.kaggle.com/datasets/arjunprasadsarkhel/2021-olympics-in-tokyo
Our data includes 5 csv files.
Athletes: Name, Country, and Discipline of all the athletes participating in the 2021 Olympics.
Coaches: Name, Country, Discipline and Event of all the coaches.
EntriesGender: It includes the total count of different gender in each distinct discipline.
Medals: This file includes the count of Gold, SIlver and Bronze medals obtained by each country. The countries are also ranked by the total number of medals.
Teams: Name, Discipline, Country, and Event of different teams.

Functionality

Registration and Login system:

Each user shall be able to register by creating their account. Users shall provide their email and password to register. After the registration, the user's profile shall be created in the database.

Users who already registered shall be able to login using the account they created. Users should use their email and password to login. The users shall be able to fill in the personal information to the profile. They can also update their information in the profile.

Rating:

Rating system is one of the main creative components of our application. Users who logged in shall be able to rate for the athletes they like or dislike. Rating results will be shown as a different number of stars, from 1 star to 5 stars. Half of a star is also available to be chosen or shown on the web application. Users who view the web application as guests, which means that they do not log in, shall be able to see the rating of each athlete. However, if they try to rate any of the athletes, a login prompt shall be displayed.

The overall rating of an athlete is calculated by taking the average of all the user ratings received.
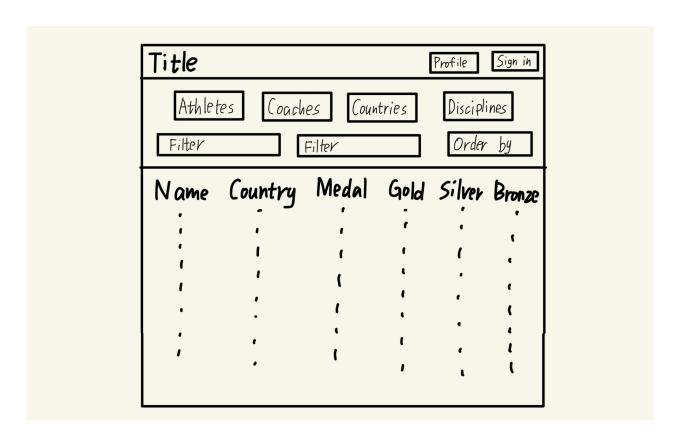
Comment:

For each athlete, each user shall be able to leave a comment with the rating. Users can leave multiple comments to an athlete. Users shall also be able to leave comments with no rating or

leave ratings with no comment. Users shall be able to edit or delete their own comments and reply to other users' comments. All the comments shall be stored in the database, connected with users' profile. Therefore, when looking into a users' profile, the user shall be able to see their past comments and ratings on this application.

Search:

Users shall be able to search and filter the athletes by name, discipline, country.

UI Mockup

A mockup screen showing: Back, Profile, Sign in buttons; Name; Rating: 4/5; Country:; Coach:; Discipline:; Medal:; Silver:; Bronze:; Gold:; Discussion:; Time, Time, Time

Work Distribution

Zichenglong Wang:

Zichenglong will be responsible for registration and login system and back-end design. He will design the frame of our back-end and how the user information will be stored.

Wentao Zhou:

Wentao will be responsible for the rating and comment system including the related backend development and corresponding SQL query design.

Youan Cong:

Youan will be responsible for developing the SQL-based backend search feature that query and filter data from the database using various user given parameters and keywords.

Yufeng Liu:

Yufeng will be responsible for UI design and Front-end development. He will also develop visualization techniques.