

League Metrics

Members:

Jesse Scalzi Martin
Maxx Schmidt
Rayne Cohen
Preston Schumacher

Advisor:

Dr. Khaled Slhoub

Goal & Motivation

Our Goal:

- To create a competitively focused statistics website for the game League of Legends, the largest esport game in the world. We plan to offer statistics based solely around duo and competitive play as there are a plethora of other statistics sites based around casual players.

Our Client:

- Florida Tech Varsity League of Legends esports team
- We plan on this product being used by other collegiate and competitive esports programs around the world.

Our Motivation:

- Fill the niches left open by the other casual focused statistics sites
- Market our product to the competitive community which is currently using a hodgepodge of assorted other sites that don't fulfil their requirements.

Key Features

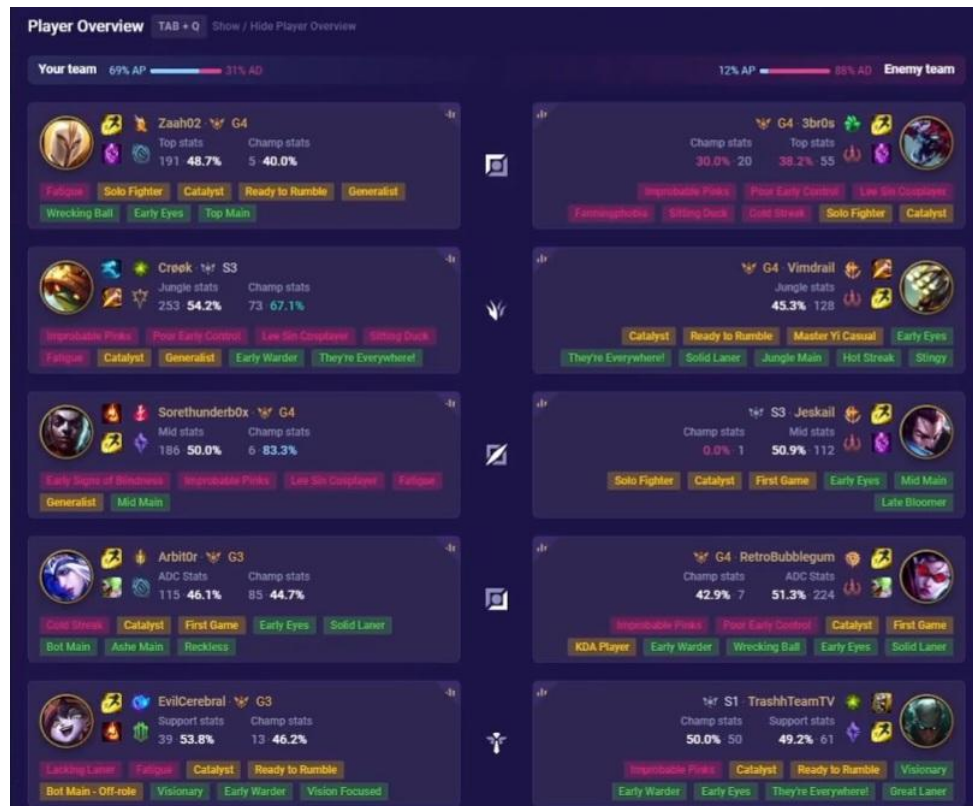
League Metrics is responsible for providing statistics to users about league of legends in all aspects of the game.



Novel Features

Team Lookup

Comparison page



Future Features

Match History panels

In-depth match details

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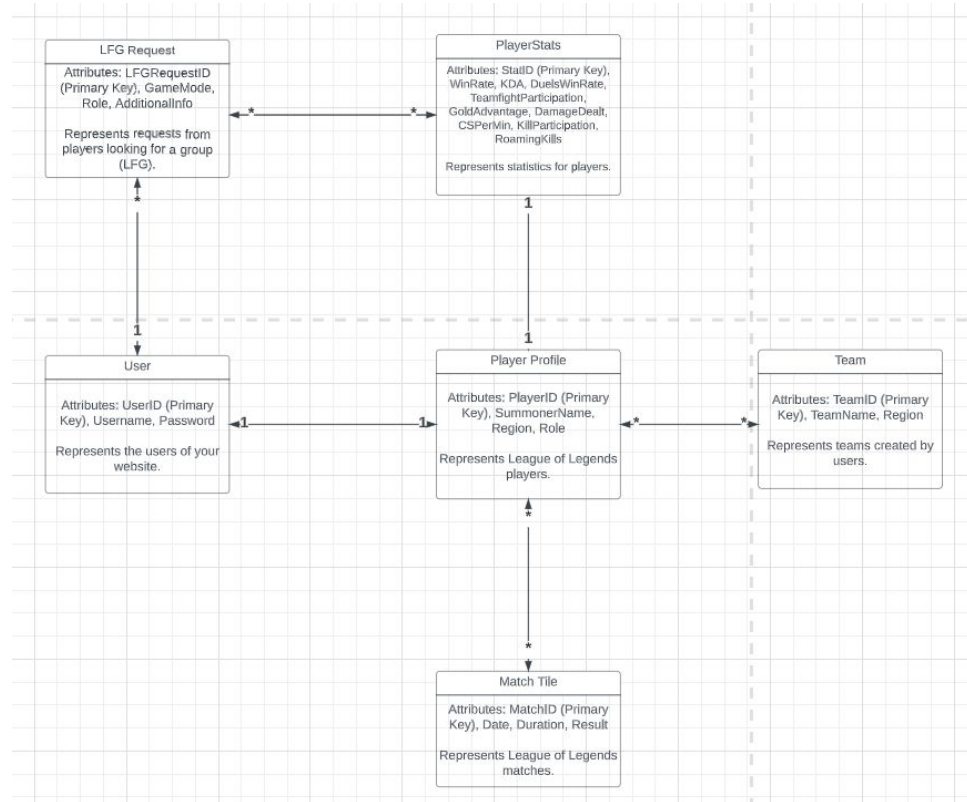
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Technical Challenges

- The project requires managing a large amount of data for the comparison stats page and ensuring fast and efficient queries, as well as enough servers and a strong API to store, transfer, and handle the data.
- The project needs to deal with missing or insufficient data, such as when a player has low participation or changes roles or champions frequently, and create frequent backups to prevent data loss and corruption.
- The project must link with other APIs or databases that provide details about the players and teams, such as their ranks, roles, champions, match histories, etc., and use multiple APIs to handle sufficient data traffic for the team lookup and comparison page.

Design Diagram



How We Measure Success

- Does our application work?
 - At this point in the project, our application is doing what we intended it to do.
 - Obviously there is always room for improvement and more software testing needs to be done.
- Out of all the features we intended to implement, how many did we manage to implement?
 - So far, we have been able to implement most of the features we intended to use from the beginning.
 - Obviously there are still multiple features that we wish to add, but it all comes down to whether or not we have the time to add them.
- Is our website easy to use and does it provide valuable information to our users?
 - We started off by creating a GitHub, but once our website was finished, we made sure to include all of the necessary information for us and our application.
 - Our website is easy to navigate and access for anyone who is interested in learning more about our project.

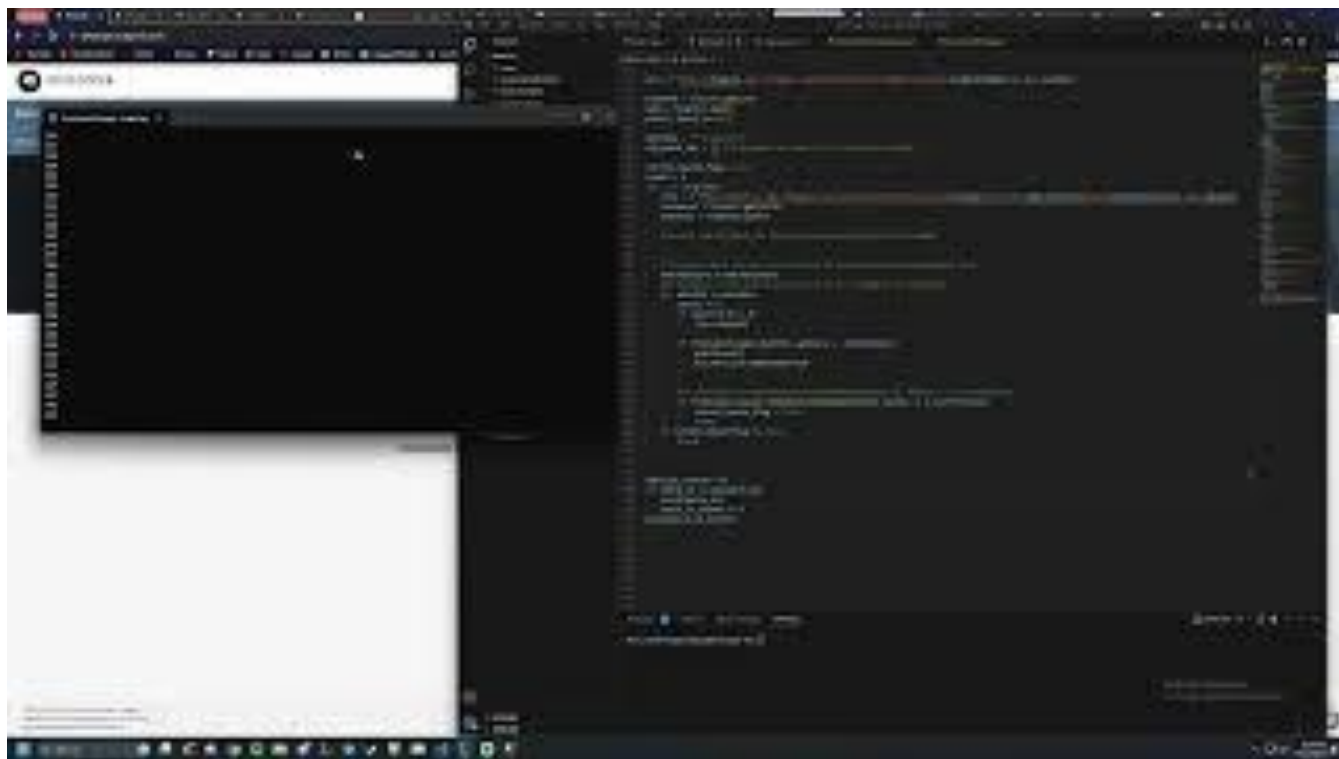
Progress

- So far we have the first draft of the website front end completed.
 - It still needs more development at this point in our project.
- We have most of the backend stuff done relating to the API calls and database.
- We have the first statistic calculated.
- Our current features are working as intended.

Next Steps

- Add more columns of data to the database.
- Calculate the rest of the statistics for the application.
- Add more features and functionality for the user.
- Design a user friendly interface to display the data
- Implement security features to protect our users.

Demo



Questions?

