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SportsRightNow

Overview

In this fast-paced modern society, it's becoming increasingly difficult to have a reliable go-to hub for up to date information on all things sports, especially with how broad "sports" is. There are websites that give you information on when and where sporting events are taking place and there are a multitude of websites containing information on almost all players that have played professionally but it's hard to keep track of favorite teams, players, and upcoming events.

Sports Right Now is designed to be the ideal hub for all things sports. From the NBA to MLS, our vision is to be the only place needed to keep track of the stats of your favorite teams and to also provide up to date information on where teams are playing soon, along with providing updates directly from their social media.

Goals and Motivations

Provide an easy to navigate website with an intuitive way of keeping track of upcoming events, the teams participating, and the players as well. We are fans of every sport. We love going to games and finding out more information on our favorite teams. We are going to revolutionize the sports industry by including all of their favorite players, teams, and local events in one place for easy access.

User Stories(Customer)

Phase 1:

1. I want to go to a game with my friends but we don't want to spend too much on transportation, so we want to look for an event near our city. Also, once we find the

sporting event, we want to learn about the players so we can know what's going on in the game.

This is a good idea! We will provide links to the teams participating in the events and by extension, the players on those teams. We might also provide shortcut links to the most popular players that will be in the event. Since this relates to filtering, we are planning on this being done in Phase III

2. There's this famous football player that apparently made some controversial tweets. I would like to see them through this website after filtering for this player and clicking on their card to see (or get a link to) their social media.

   This is also a good idea! We will provide links to a player's social media on their page, or even embed it into the page itself. We are planning to have this done in Phase II

3. My favorite team will play this week against their rivals! I want to be able to see a history of games against their rival so that I can predict whether they will win this time or not. Also, a win-loss ratio for the current season won't hurt!

   We will provide a win-loss record for the current season! Seeing a history of previous games between two teams will be more challenging to pull off, but if we can find a way to provide that we will.

4. I've found an event nearby and I want to go there to the live sports event. I want to have a link straight to the page where I can book seats for that game. Also, I should be able to share this link to my friends.

   This is a great idea! We will provide links to Ticketmaster or a similar site where you will be able to purchase tickets. If possible, we will provide a way to share this link but that will prove more challenging. We are planning to implement this in Phase II.

5. For an individual athlete, I want to see their stats for their team and their past teams so that, when they get traded, I can see how they did on previous teams and I can predict how they will do on this team. Also, if it's possible, have instances to links to similar players in the same sports realm.

Do you mean their career for this team or do you mean stats for each season they've played? Stats by season will be much easier to implement and provide data on. We can also provide links to similar players such as teammates or other players at that position at the bottom of their page in future phases.

Phase 2:

User Stories(Personal)

Phase 1:

1. I'm not from Texas but I really enjoy watching sports and I love my hometown Minnesota Vikings. I want to travel to Dallas soon. What sporting events are happening there with the Minnesota Vikings? I'd like to plan my trip around that date.

2. I'm not a big sports fan but I follow accounts like ESPN and HouseOfHighlights. The other day I saw a crazy highlight in golf and I just know his name. I'd like to get his information as well as see more of his accomplishments. That way I can grow into golf more as well as learn more about relevant people in golf today.

3. I'm a big Atlanta Hawks fan, and don't want to miss a game of theirs. I want to see all their games in one spot with their location and time, so I can create my schedule around that.

4. My favorite team is the Chicago Bulls, but my favorite seasons were when Jordan played for them. What seasons did he play with them? What was their complete roster for those seasons?

5. I'm getting into watching basketball, but I'm a little overwhelmed when it comes to what players play for which teams. I'd also like to go to an in person game sometime soon. What popular NBA teams are coming to cities near me?

Phase 2:

1. I'm a new fan and frequent watcher of the Golden State Warriors. I live in California as well which lets me be within driving distance of their home games. I am trying to plan a date with my significant other soon and was wondering when their next game was?
2. I work for an interviewing company and we'd really like to know when the next games of all teams for the NBA will be held. We'd like to book our game tickets quickly as we want prime seats and cheaper tickets. Where would I be able to find such information?
3. I want to be able to see my favorite player's statistics for shooting from the 3 point line. My favorite player is James Harden when he was on the Houston Rockets. Where can I find Mr. Harden's three point percentage during the time he played for the Rockets.
4. I want to get more invested into sports since all of my friends are really into fantasy football. I have a basic idea of what teams I like, but I want to choose the ones that have the highest win percentage. Where can I find out which teams are winning the most in this current season?
5. I like watching Lebron James a lot since he is the greatest of all time in basketbal. Where can I find his statistics for current season?

Documentation

https://documenter.getpostman.com/view/25853479/2s93JqU66C

Phase II:

Pagination:

We used React Boostrap's <pagination> feature to create the visual elements (the page number bar) of our pagination. When a user's clicks on a page number, it updates the components' CurrPage state.

Afterwards, the component sends an API request to the backend, using CurrPage to calculate the which ids to query. For example, if the page is currently 5, it requests ids 40-49. The server returns the data from the requested IDs in JSON form. The data is then used to generate the cards seen by the user.

Database

Word word words

Tools

1. React
2. React-Bootstrap
3. Postman
4. AWS Amplify
5. AWS RDS
6. MYSQL
7. NameCheap
8. GitLab
9. Visual Studio Code
10. Zoom
11. Microsoft Teams
12. Discord
13. Notion
14. Axios

Models

1. Players

   This model provides information on individual athletes, such as the team they play on, what league they play in, their age, the position they play, their nationality, statistics, and more.

2. Teams

   This model provides information on teams or franchises such as their win/loss record, the year they were founded, what players on that team, what league they play in, and more.

3. Events

> This model provides information on sporting events, such as the date, time, and location this event will take place as well as the teams participating.

Data Sources:

1. TipsScore API
2. TheSportsDB
3. Ticketmaster API

Hosting:

We are hosted on AWS Amplify at the domain sportsrightnow.me. The domain name was obtained through NameCheap. We set up the SSL/TLS with Amplify and NameCheap and used CNAME records to transfer DNS ownership to Amplify.

Challenges:

Most of us are new to many of the concepts here, so there is a pretty large learning curve to making this all fit together. The current data sources we have are a bit funky because some of them provide accurate data for sports like basketball but aren't as refined for other sports such as soccer. We also didn't get started as early as we would have liked because of the winter week and other schoolwork.