

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:

1. I enjoy watching basketball and keeping up with all the statistics that relate to the NBA. I was wondering if there is a way to compare and filter players and their statistics based on whether they are active in the NBA versus all time. This would make looking at data holistically easier for me

This is a great idea as it would be very nice to compare our favorite players directly. We will work quickly in order to create a comparison option for players and also for teams.

2. I want to be able to see my favorite teams in the western and eastern conference based on different stats like most steals or most points made rather than just wins and losses. This would make for a more interesting analysis of different teams

That's a good option to add for clients as we want them to view data quickly for what they are searching for. If possible, we'd like there to be multiple filters between our teams or groups in order to allow for more visibility options.

3. I want to be able to plan for my events in the best way possible which includes trying to find parking at the venues. I want to be able to learn more about the venue prior to reaching. This will help me enjoy my events the best way possible

This would be a great addition to add as we would like our clients easy access to the events that we show on our website. If possible, we'd like to show a website link directly to the arena hosting the event or to a website that allows purchase of seats available.

4. I love my Dallas Mavericks and want to be able to get the most out of my clicks on Sports Now. I want to be able to see more detailed information like recent trades and

overall championships and statistics related to that. I want to be able to consume all of the information that I want that is available.

That would be a great asset to add into our website as we want our clients to be able to easily go to our website and find all the information surrounding their favorite teams. This is a great addition to add, thank you for the idea!

5. I want to be able to see players related to a specific team when looking at a team or vice versa. The same would be nice to see if we could see the venue related to the teams and players playing. Having all this information consolidated in one area would benefit the user looking to find all the information.

We are currently working on this! We want our website to be able to show all the relevant information regarding our teams and players and their relationships. Once our website is more complete, we will have links towards relevant models on each instance page and show their information cleanly!

Phase 3:

1. I am an avid sports enthusiast. I have an interest in keeping up with a few players in the NBA. I want to be able to find LeBron and his stats quickly through searching.

This is a great idea as it would be very nice to compare our favorite players directly. We will work quickly in order to create a search feature for specific players.

2. I am a huge Dallas Mavericks fan. I want to be able to quickly find it when searching. This should be as easy as typing up the words "Dallas Mavericks" and I should see the results.

That's a good option to add for clients as we want them to view data quickly for what they are searching for. If possible, we'd like there to be a quick search function to find your favorite team.

3. I am an avid sports watcher. I want to find out more about an upcoming mavericks game. Instead of looking through all of the events available, I want to be able to search for that specific one.

This would be accessible when we make a search function for our events page. We would ideally be able to search for a team and see their upcoming events.

4. I am a busy guy and only have limited time to do stuff I like. I am busy Monday through Friday and only have time to do stuff I like on the weekends. I want to be able to filter through events that are only available during the weekends.

That would be a great filter to add to our event category as we would like clients to be able to sift through information quickly.

5. I am a basketball fan. Although I appreciate other sports, I only want to see basketball players when browsing Sports Now. I want to be able to filter out players who are not basketball related.

We are currently working on this! We will be able to sort our sports by their leagues and would easily.

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 basketball. Where can I find his statistics for the current season?

Phase 3:

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. My date would like to find out the teams that are playing current win record, how would they find this?
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. I'd like to find the games that are upcoming the fastest, how would I do that?
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. How would I filter out James Harden's best games in comparison to his word?
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. How can I search for football teams that are winning in order?
5. I like watching Luka Doncic s a lot since he is the greatest of all time in basketball. Where can I find his statistics for the current season quickly?

Documentation

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

Phase II:

Pagination:

We used React Bootstrap'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

Used MYSQL in order to create a client-server database.

Phase III:

Searching:

Used API from the backend to be able to sift through information regarding players, teams, and events.

Filtering:

Used API from the backend to be able to filter through information regarding players, teams, and events.

Phase IV:

Visualizations:



We used recharts in order to create the visualizations for our website and the providers. We used the respective api's in order to get the data for the chart. We then create the charts from the data, and then wrote our responses to the information being displayed.

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
15. Recharts

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.

