College Football Stats

CS510 Final Presentation
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Football Stats Website

- Why?
  - No sports going on right now :(
  - I'm a huge college football fan (Go Beavs!)
- API used: api.collegefootballdata.com
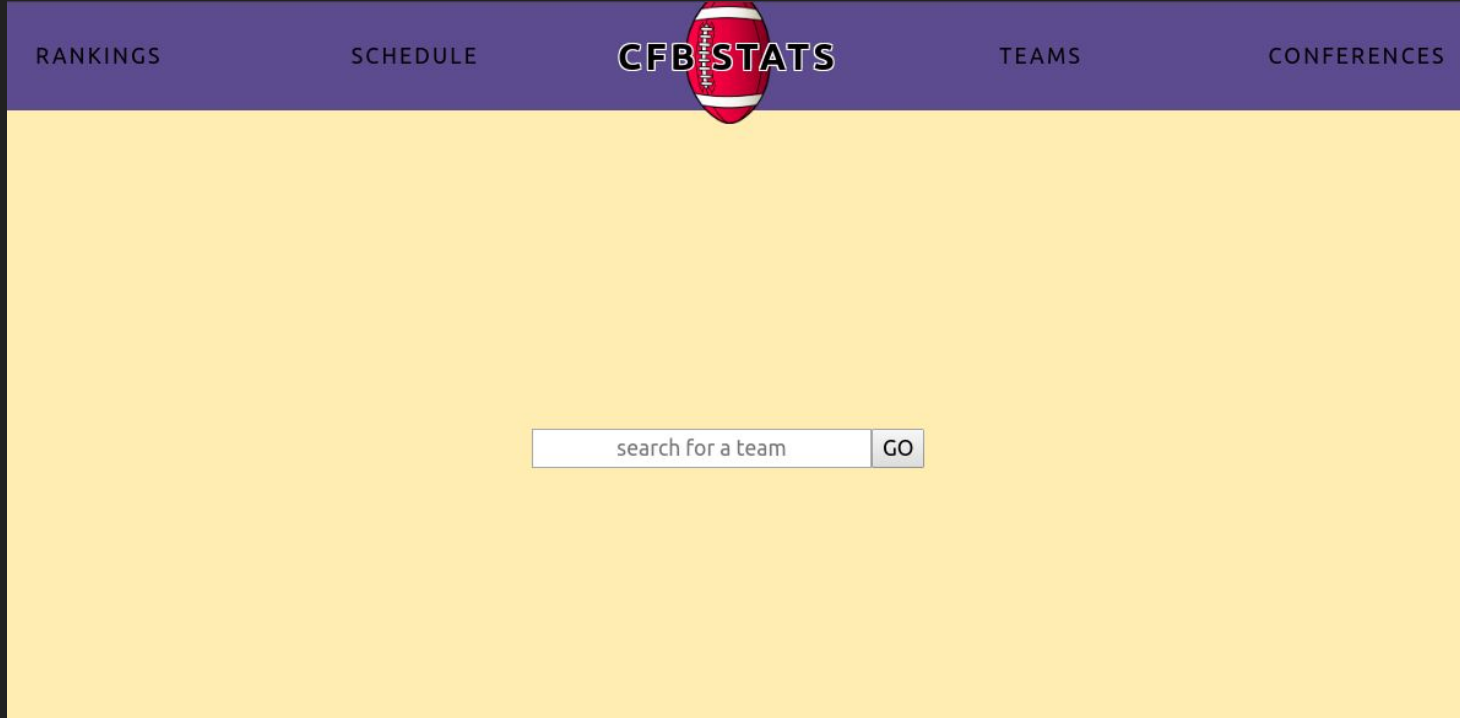
Technologies Used

- Front-end only
- This is a pure React app
- Used some features from Bootstrap
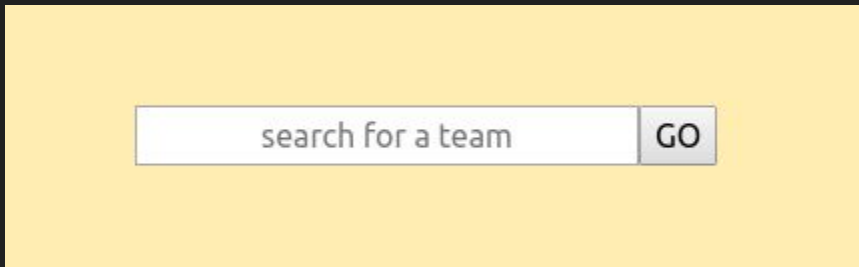- Used primarily CSS-Flex for layout

API Documentation

- This API provides a huge amount of present and historical data
- Very well documented API using Swagger:

Features Implemented

Search Bar

- Navigates to corresponding team page
- Searches for exact matches only
- Compares with JSON object
- Biggest problem: didn't realize until the last minute that it didn't work with wrong capitalization

Rankings

- Toggle between different polls
- Biggest challenge: passing up state from child to parent component

Schedule

- Shows all D-1 games in a given week of the season
- Search for a team to see their next game
- Biggest problem: scrolling to and highlighting the game corresponding with the searched team

Upcoming games:

enter team name

Find

Nevada @ UC Davis	08/29/20 at Mackay Stadium
New Mexico @ Idaho State	08/29/20 at University Stadium
Arizona @ Hawai'i	08/29/20 at Arizona Stadium

Schedule

Example of highlighted scheduled item (search query = "Oregon")

Teams

- This is the most interesting part of the site
- Squares corresponding with each team with their color schemes

Teams

- Can highlight conferences
- Can sort teams
- Hardest problem: getting highlights to work

Team Details

- Individual page for each team
- Dynamic routing
- Page changes color scheme based on which team is active
- Biggest challenge: getting two API calls to work without getting into infinite loop territory with useEffect()

Conferences Page

- Not quite ready for prime time, needs some cleaning up before Friday night
- Intent: show conference standings and rankings
- Biggest challenge: Parsing the JSON into this relatively basic object

American Athletic	ACC
Cincinnati	Boston College
Connecticut	Clemson
East Carolina	Duke
Houston	Florida State
Memphis	Georgia Tech
Navy	Louisville
SMU	Miami
South Florida	NC State
Temple	North Carolina
Tulane	Pittsburgh
Tulsa	Syracuse
UCF	Virginia
	Virginia Tech
	Wake Forest

Accessibility

- Used descriptive HTML elements like <nav>, <section>, etc.
- Used semantic text like "Search"
- Used ARIA labels for things like "Main Logo Link to Home Page"
- I haven't used React Axe and the like yet, but I plan on before submitting code