

LineDriveBetting - Phase 1 Report

Team: Indigo

Github Repository: <https://github.com/ArmanKhondker/EE-461L-LineDriveBetting>

Team Google Drive: <https://drive.google.com/drive/u/1/folders/0AF2MKdo4mjX9Uk9PVA>

Project Lead: Arman Khondker

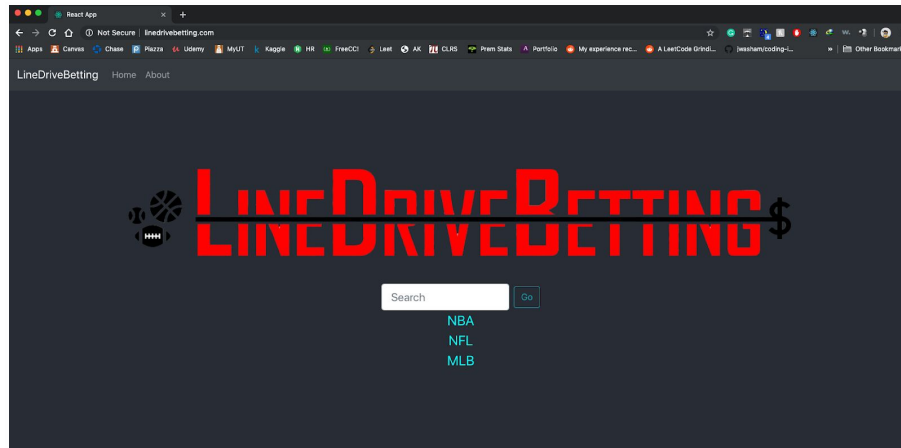
Website URL: <https://www.linedrivebetting.com>

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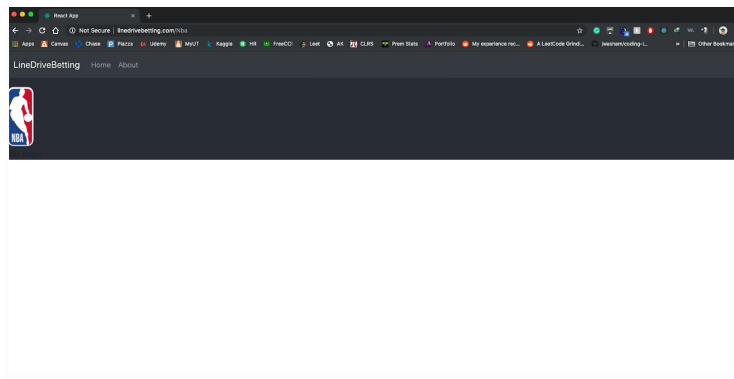
Description of Tasks:

For Phase 1, the following tasks were completed:

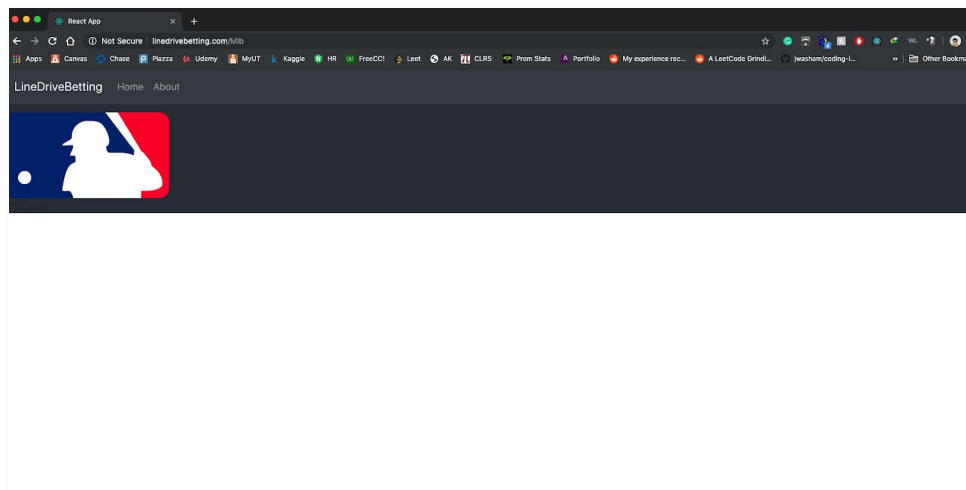
- Obtain Domain Name
 - Our group has purchased www.linedrivebetting.com.
- Plan what data needs to be scraped
 - Data will be scraped from oddshark.com and APIs will be used from ESPN
- Examine the data to be scraped
 - Oddshark has various data available for the user; however, as a team, we decided that it would be efficient and user-friendly to provide LineDriveBetting users historical data, current betting lines, and head-to-head team matchup data.
- Setup MongoDB hosting on AWS
- Create a limited frontend using React.js
 - Home Page: The home page has an about page and links to our three main pages and our about page. In addition, the user is able to type into a search box that will eventually quickly narrow their search by the 3 major leagues provided: MLB, NFL, NBA.



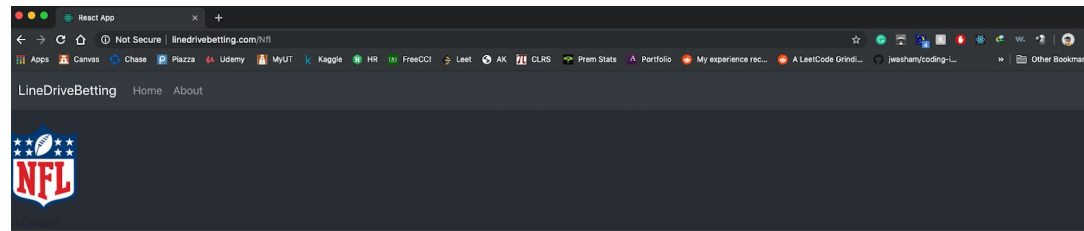
- NBA Page: A very limited NBA page created with empty placeholder space for betting lines, historical data, and a discussion forum.



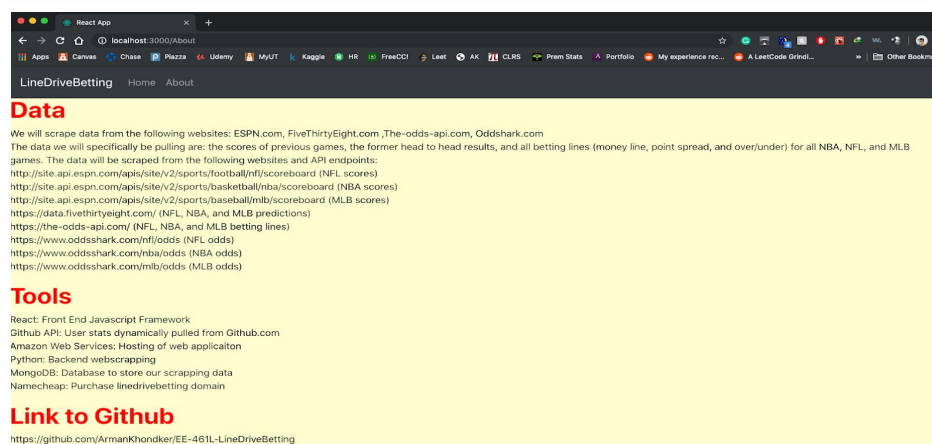
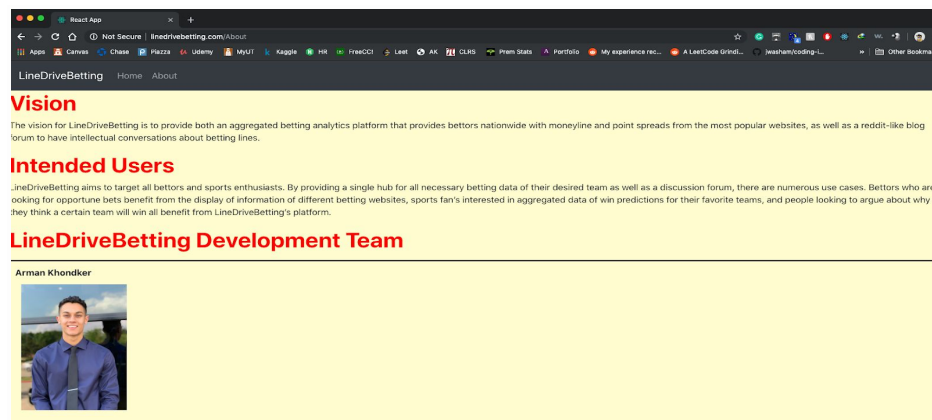
- MLB Page: A very limited MLB page created with empty placeholder space for betting lines, historical data, and a discussion forum.



- NFL Page: A very limited NFL page created with empty placeholder space for betting lines, historical data, and a discussion forum.

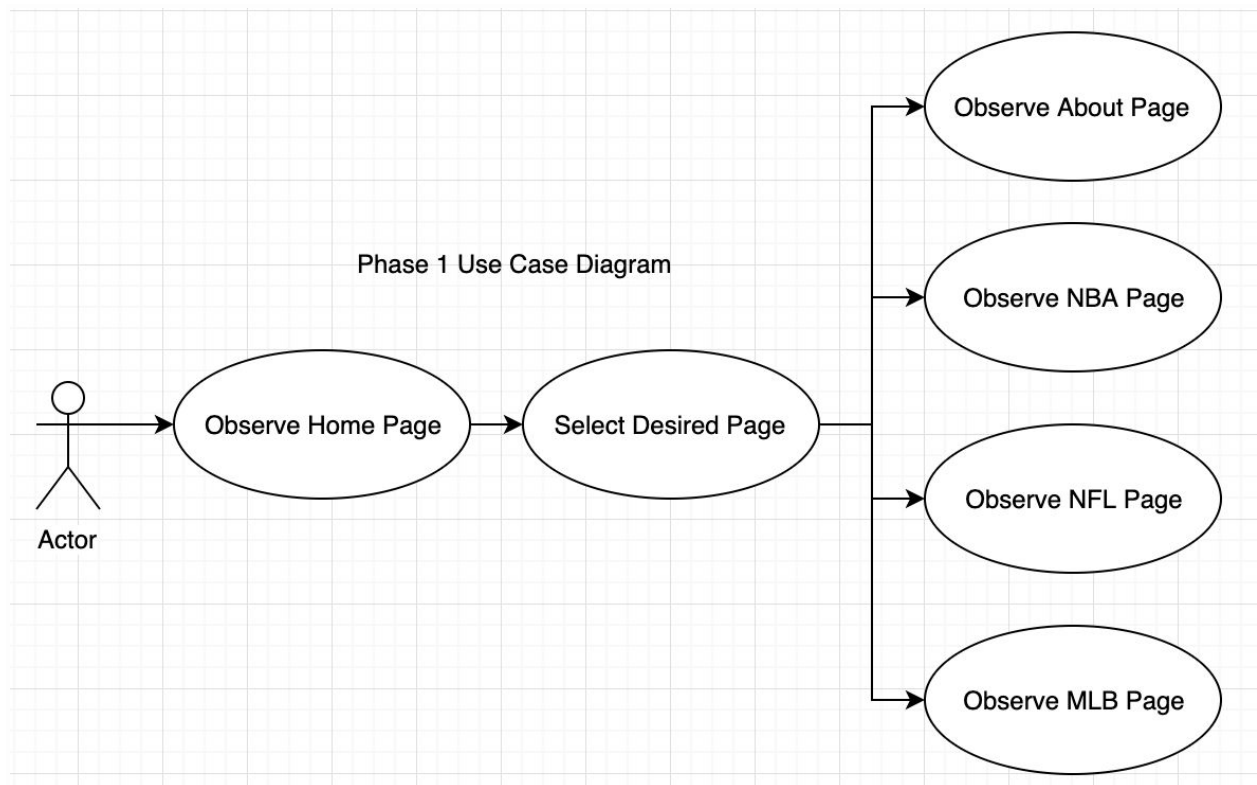


- About page: A very limited page for information about our development team



Design:

LineDriveBetting is to provide users with an aggregated betting analytics platform that provides bettors nationwide with money lines and point spreads from the most popular websites, as well as a Reddit-like blog forum to have intellectual conversations about betting lines. The home page will allow users to access specific league games, create an account, search for specific games, and see the about page. When creating an account, the user will be asked to enter basic profile information and will have the option to enter their current betting website to quickly redirect to after viewing the data. On any of the desired league or game pages, the user will be able to see all betting lines. After selecting a specific game, the user will see a more detailed breakdown of all betting data as well as have the option to discuss their picks with other verified users in the discussion forum located at the bottom of the page. For Phase 1, we created the home, NBA, NFL, MLB, and About page. This preliminary step was implemented to help create a foundation for the blog and betting data. Please refer to the following UML diagram to gain a better understanding of our design for Phase 1:





Requirements:

1. As a user, I want to visit www.linedrivebetting.com click on the about tab and see all of the team members for linedrivebetting with their photo, bio, major, number of commits, and number of issues.
2. As a user, I want to visit www.linedrivebetting.com and click on the NBA/NFL text to go to the corresponding NBA/NFL page.
3. As a user, I want to visit www.linedrivebetting.com and view the linedrivebetting logo so that I can have something to remember the website by.
4. As a user, I want to visit www.linedrivebetting.com and visit the NBA page and view NBA related data.
5. As a user, I want to visit www.linedrivebetting.com and visit the home page and click on the NFL/NBA text in the navigation bar to go to the respective page.

Tools, Softwares, Frameworks:

Frontend: React, HTML/CSS, Javascript

Hosting: AWS

Backend: Python for web scraping

Namecheap: Obtain domain for linedrivebetting

Database: MongoDB

Testing:

Minimal testing was done during this phase as per our proposal. The following tests were done to ensure all Phase I requirements were met:

- About Test: ensure that the about page loads properly and the scroll bar displays
- Webpage URL Test: To ensure that the URLs work we manually typed in /nba, /about, /nfl, and /mlb in the URL and saw expected behavior
- Browser Appearance: We tested to see if our web app displayed the same on all major internet browsers such as Internet Explorer, Chrome, Firefox, and Safari.
- Mobile Test: we tested to see if our webpage properly shows up on mobile.