Justin Kelly
Samuel Gibson
Justin Armbrust
Kostyantyn Shumishyn

Release Plan

NBAStat v0.0.1

Release Date: *Winter 2020*
Revision #1
Revision Date: *11/14/19*

High Level Goals:

The top-level goal for this project is to provide a Web Page capable of pulling NBA statistics for teams or players, and displaying them in a clean way. This includes anything from simple stat entries and player information, to visualization of said data.

- Homepage contains a search bar which does a lookup of the specified query.
    - Upon searching, provides a dropdown with either the correct result, suggestions, or no result feedback.
- Various Page designs for Players/Teams as well as potentially other demographics.
    - Player Pages contain player information such as their current team, age, last game stats.
    - Team Pages provide roster information, regular season win/loss records and team news.

Sprint #1 User Stories

Story #1 - As a beginning developer, I want a backend set up so that I can host the website.
Priority: High

Story #2 - As a beginning front end developer, I want to understand basic HTML/CSS so that we can implement an easy to use website.
Priority: High

Story #3 - As a beginning graphic designer, I want to create a website logo so that we have an identifiable avatar.
Priority: Medium

Story #4 - As a beginning graphic designer, I want to create a color palette to use for our pages.
Priority: Medium

Sprint #2 User Stories

Story #1 - As a developer, I want to set up the foundation for each of the pages to hold the relevant data and functionality.
Priority: High

Story #2 - As a backend developer, I want to create the query subsystem to be able to redirect the search to the result.
Priority: Medium

Story #3 - As a frontend developer, I want to start applying some of our designs in HTML/CSS so that our website begins to look visually pleasing.
Priority: Low

Story #4 - As a developer, I want to begin organizing the data by relevance, to ease the transition to displaying it.
Priority: Medium

Sprint #3 User Stories

Story #1 - As a front end developer, I would like to start listing the obtained data on the corresponding webpages.
Priority: High

Story #2 - As a back end developer, I would like to begin implementing the data visualization aspect of each corresponding webpage.
Priority: High

Story #3 - As a user, I would like for the pages to match each-other in theme and general design.
Priority: Medium

Sprint #4 User Stories

Story #1 - As a developer, I would like to verify the stability of the website through rigorous testing.
Priority: Medium

Story #2 - As a user, I would like for the data visualization to match the general theme of the website.
Priority: High

Story #3 - As a front end developer, I would like to implement stretch goals such as looking up coaching statistics or comparing player data.
Priority: Low

Product Backlog

Listing of Potential Future Features:
- Expansion to other sports
- Coach statistics
- Import/Export Data
- Live Scoreboard

Definitions of Done

- Unanimous agreement on a stories' completion based on specifications during Sprint Planning.
- Clearly defined inputs and outputs before integration testing through sufficient documentation.
- Successful branch merges followed by integration tests.

Definition of Ready

- Independent: Web Page stands alone without dependency on data API.
- Negotiable: Necessary stories are clearly defined at the beginning of each sprint.
- Valuable: Each story has a clearly defined value for the investor.
- Estimable: Along with value, complexity is rated.
- Small: Stories are standalone, broken down into pieces, and modular.
- Testable: Unit tests for basic functionality is defined.