

NBA/WNBA IDB Website



Team E9

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Introduction

Purpose: Introducing users to basketball and keeping current fans up-to-date about the NBA & WNBA

Lets users view all the information they want to see without having to go to several different websites

Repository of information for users to learn more about the NBA and WNBA.

Interactive features so that users have fun learning about basketball.

Team Contributions

Team Member	Contributions
Andrew Brown	Set up the Franchise Leaders page, Coaches page, and Archive page of past NBA champions so users can learn more about NBA history. Created unit tests to test backend of website. Helped with formatting and layout of website.
Bibartan Jha	Set up the Model pages (Players, Teams, News) . Collected information for each instance from REST APIs and stored in MongoDB. Created instance pages using MongoDB info. Setup the fantasy team simulator page.
Morgan Murrell	Set up the front page of the website, the settings page, and the log-in/sign-up page. Added Firestore Authorization to allow user account creation. Stylized various page to maintain style consistency . Added Observer Pattern to keep News Page updated.
Alina Nguyen	Set up and designed the favorite player page, favorite team page, and also the comparison page. Setup and launched our website through Heroku. Helped with some style edits for consistency throughout the pages.

Self Critique

What did we do well?

Interacting with MongoDB, Designing pages, Collecting data from APIs, Adding information, links, and multimedia to instance pages, creating extra features for our website

What can we do better?

Make website look more refined and dynamic, add more information and multimedia for each instance

What did we learn?

MongoDB, Flask, Jinja2, CSS styling (Bootstrap), launching through Heroku, Django Pagination, Reading from APIs

Demo

<https://teame9.herokuapp.com/>

Models: Players, Teams, and News

- Players: 100 selected players
- Teams: 42 (30 from NBA + 12 from WNBA)
- News: 40+ selected news articles

Information Pages: Coaches, Franchise Leaders, Archive

Interactive Pages: Fantasy, Favorite Players, Favorite Teams, Compare

Other pages: Log-in, Settings