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Sprint 4 Plan

NBAStat v0.4.5

Release Date: 12/01/19

Revision #1

Revision Date: 11/18/19

Goal:

The goal of Sprint 4 is to finalize the data's storage and representation. In order to accomplish this, we need to relate the player name/ID with the player images we are going to have to scrape as well as the data we pull from the API. We also need to adjust our templates to accommodate more of this data. And finally we have to get a demo-able proof of concept of our data visualization onto the stat web page.

Task Listing:

Story #1 - As a developer I would like to expose and relate all of our player data together to streamline accessing it.

Task 1: Fetch relevant data from the API

Task 2: Scrape player image data from the NBA website by relating it by the player ID.

Task 3: Group this data together.

Story #2 - As a database engineer, I would like to at the very least store persistent data into a database. And be able to access dynamic data easily and quickly.

Task 1: Group aforementioned data together.

Task 2: Store all data onto database.

Task 3: Come up with logic of what data is dynamic and needs to be updated from time to time.

Story #3 - As a frontend engineer, I would like to expose more spots on our HTML page to pull data from our backend as well as host basic data visualization with tables and graphs.

Task 1: Create Table for data storage.

Task 2: Create pertinent static links.

Task 3: Create graph component.

Team Roles:

Justin Kelly: Data Engineer

Sam Gibson: Data Engineer and Scrum Master

Justin Armbrust: Frontend and Database Engineer

Kostyantyn Shumishyn: Database Engineer

Initial Task Assignment:

Justin Kelly: Story #1,2 - Data wrangling

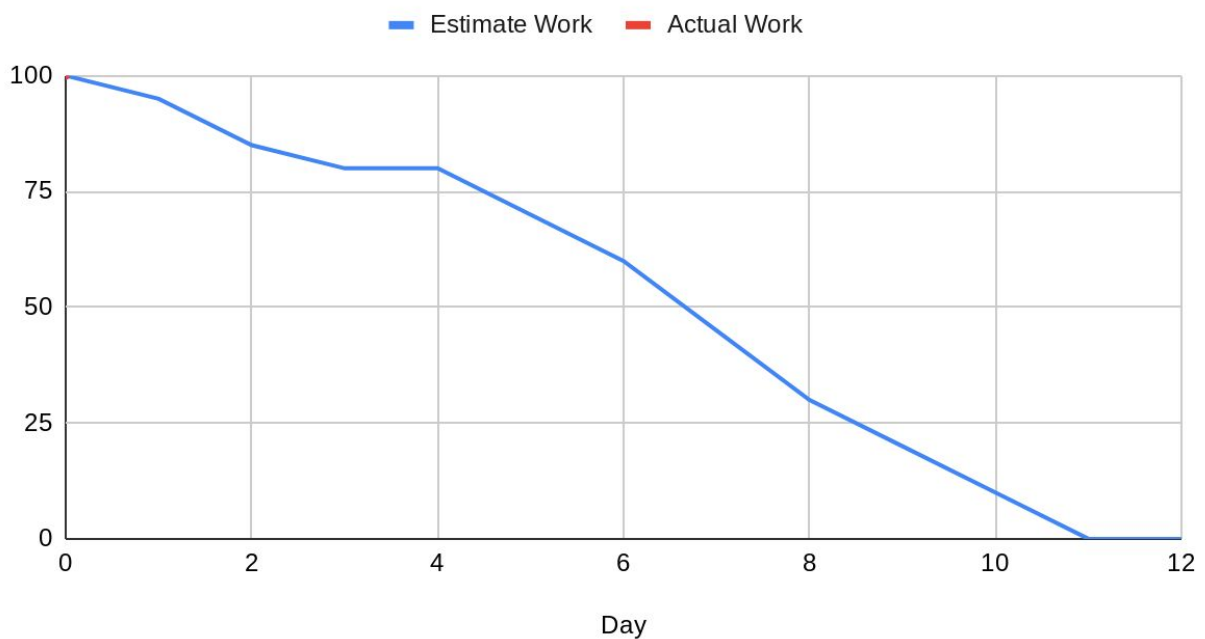
Sam Gibson: Story #1,2 - Data visualization

Justin Armbrust: Story #3 - HTML template formation and Data visualization

Kostyantyn Shumishyn: Story #1,3 - Database population

Initial burnup Chart:

Estimate Work and Actual Work



Scrum Board:

Accessible in Lab Room 316

Scrum Times:

Weekend, Tuesday, Thursday: 12pm - 3pm

Wednesday: 11:30 with Rashmi Chenna giri