

## **Sprint-6 Artifact**

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### **Features (user stories) to Implement in Next Sprint**

- **Feature 1:** Incremental analysis for which team won the most away games in a given season and which team won the most home games in a given season from 2004 to 2020.
- **Feature 2:** Incremental analysis for Average Field Goal of a winning team.

### **Test Cases**

- **Feature 1 Test Cases:** Incremental analysis for which team won the most away games in a given season and which team won the most home games in a given season from 2004 to 2020.

**Test Case 1:** As a user, I want to use the analytic for which team won the most away games in a given season and which team won the most home games in a given season, then modify the data, and rerun the analytic at a faster speed.

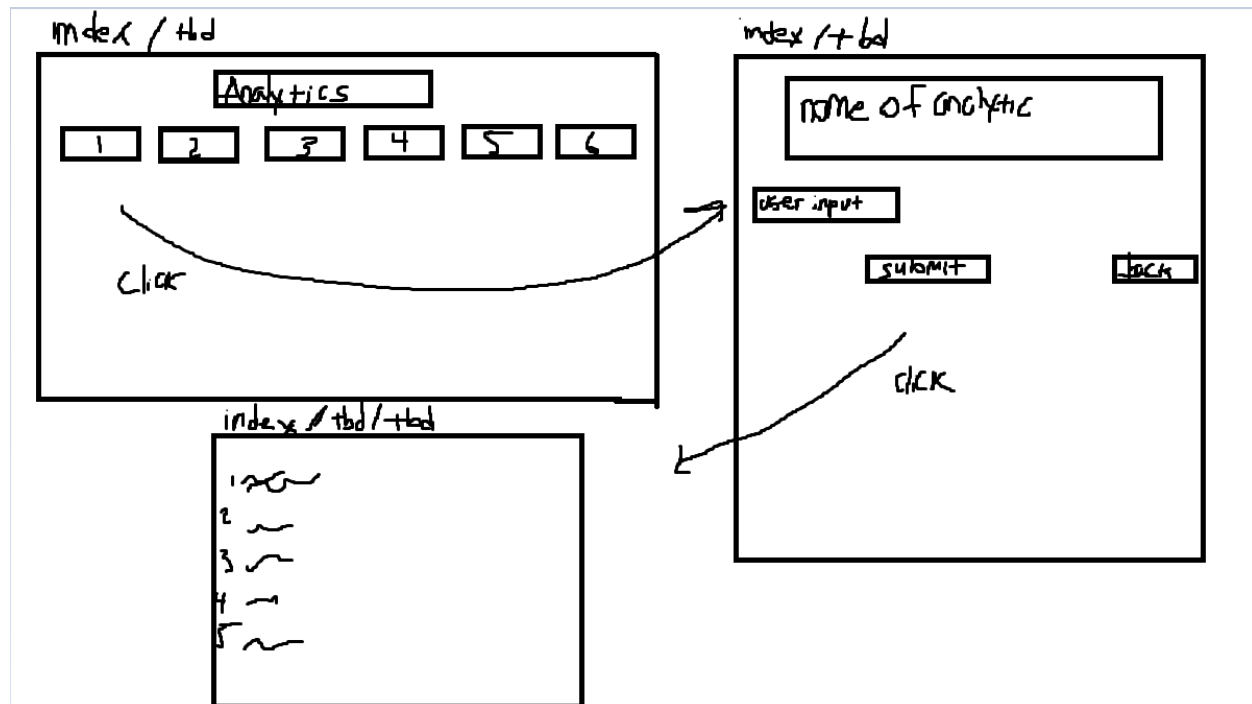
- *Correct Output:* The first time, the analytic takes seconds to run. The second time, the analytic takes milliseconds to run.

**Feature 2 Test Cases:** Incremental analysis for Average Field Goal of a winning team.

**Test Case 1:** As a user, I want to use the analytic for Average Field Goal of a winning team, then modify the data, and rerun the analytic at a faster speed.

- *Correct Output:* The first time, the analytic takes seconds to run. The second time, the analytic takes milliseconds to run.

## GUI:



## Taskboard

### Done list of last sprint

- Implement the search for head to head record between two teams given a period of time
  - [finished by every team member and verified by the group]
- Implement the search for free throw percentage and three point percentage for the home team vs the away team during the 2004 to 2020 season
  - [finished by every team member and verified by the group]
- Implement the search for which team won the most away games in a given season and which team won the most home games in a given season from 2004 to 2020.
  - [finished by every team member and verified by the group]
- Implement the visualization for most wins of a player from the 2004 to 2020 seasons
  - [finished by every team member and verified by the group]
- Implement the visualization for most home and away wins of a team from the 2004 to 2020 seasons
  - [finished by every team member and verified by the group]
- Implement the visualization for the largest difference in points of a game from the 2004 to 2020 seasons
  - [finished by every team member and verified by the group]

### TODO List for next sprint

- Implement CSS to main page
  - Acceptance Criteria: The main page includes CSS attributes.

- Implement the visualization for free throw percentage and three point percentage for the home team vs the away team during the 2004 to 2020 season
  - Acceptance Criteria: A bar graph is displayed with the average home and away free throw percentage and three point percentage for each season from the 2004 to the 2020 season.
- Implement the visualization for which team won the most away games in a given season and which team won the most home games in a given season from 2004 to 2020.
  - Acceptance Criteria: A bar graph is displayed for which team won the most away games in a given season and which team won the most home games in a given season from 2004 to 2020
- Implement the visualization for head to head record between two teams given a period of time
  - Acceptance Criteria: A bar graph is displayed for head to head record between two teams given a period of time
- Implement Incremental Analytics on Average FG Percentage
  - Acceptance Criteria: The incremental analytic takes a shorter time to compute than the regular analytic.
- Implement Incremental Analytics on Most Home and Away Wins Analytics
  - Acceptance Criteria: The incremental analytic takes a shorter time to compute than a regular analytic.