**Document 1 – Requirements & Design**

This document is contained in your GitHub repository in a folder named *docs*.

**Group:** 2

**Group Member Names:**

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**Project Description**

This is an application that will allow users to access a variety of information about NBA players, coaches, and teams. The user will be able to select a team and from there they will be able to select a player, or a coach and access relevant information related to that person. The user can sort based on a player’s statistics such as points, blocks, assist, and so on. The user will be able to compare the different statistics for players both on the same, and on different teams. This applies to coaches and teams as well. The idea is to give the user an index that they can access to view and compare player stats from a season.

**User Story Summary**

|  |  |
| --- | --- |
| **Num** | **Title** |
| 1. | Display players Statistics |
| 2. | Competitor Comparisons |
| 3. | Table Sorting |
| 4. | Displaying Average Minutes per game |
| 5. | Count of Players |
| 6. | Players’ positioning |
| 7. | Team Identification |
| 8. | Players’ ages |
| 9. | Three Point Field Goal % |
| 10. | Total Averages of statistics |
| 11. | Comparing Teammate Statistics |
| 12. | Statistic editing |
| 13. | Roster editing |
| 14. | Color Coding |

**User Story 1 – Display Players Statistics**

**User Story**

As the statistician for the team, I want to see the players’ statistics from the current season, so I can determine where the player needs to improve on the floor.

**Flow**

System Requirements

[Ongoing: A numbered list of requirements. This will develop as you learn more about the user story. This is not required for the initial submission of this document. But do mention anything that you come up with immediately. Or, it might just be a Note (below).]

Notes

[Ongoing: A numbered list of additional notes. This is not required for the initial submission of this document. But do mention anything that you come up with immediately.]

**User Story 2 – Competitor Comparisons**

**User Story**

As a host on First Take, I want to compare one player’s statistics to the statistics of other players around the league, so I can make my argument that I believe this player is the best currently playing.

**Flow**

System Requirements

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**User Story 3 – Table Sorting**

**User Story**

As a fan when viewing the statistics of a team, I want to be able to sort the table by any individual statistic of my choosing, to determine what player is leading in what category.

**Flow**

System Requirements

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**User Story 4 – Displaying Average Minutes per game**

**User Story**

As a player on the basketball team, I would like to know the average amount of time I played each game, so I can determine if I need to condition more.

**Flow**

System Requirements

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**User Story 5 – Count of Players**

**User Story**

As a basketball fan, I want to know how many players are on a certain team of my choosing, so I can analyze the effect the player has on the game as I watch it.

**Flow**

System Requirements

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**User Story 6 – Players’ positioning**

**User Story**

As a defensive coach, I need to know what position a certain player is listed at, so I can prepare future matchups against that player.

**Flow**

System Requirements

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**User Story 7 – Team Identification**

**User Story**

As a casual fan, I need to be able to identify what team each player plays for, so I can avoid errors in my argument when I go to the bar.

**Flow**

System Requirements

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**User Story 8 – Player’s ages**

**User Story**

As a journalist, I want to know the age of each player, so I can account for the player’s age on his play when I write my article.

**Flow**

System Requirements

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**User Story 9 – Three Point Field Goal %**

**User Story**

As the offensive coach for the team, I want to know if the team has shot well from the 3-point line, so I can know if we need to do more shooting drills.

**Flow**

System Requirements

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**User Story 10 – Total Averages of statistics**

**User Story**

As a defensive coach, I need to be able to see the total averages of each statistic of my opponent, so I can plan ahead early to minimize those numbers.

**Flow**

System Requirements

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**User Story 11 – Comparing Teammate Statistics**

**User Story**

As a host on SportsCenter, I want to compare one player’s statistics to another player’s individual statistics, so I can debate who I see as the best playeron a team.

**Flow**

System Requirements

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**User Story 12 – Statistic editing**

**User Story**

As the statistician for the basketball team, I should be able to edit the statistics of the players that are on the team I work for, so the players’ stats will be updated for the present time.

**Flow**

System Requirements

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**User Story 13 – Roster editing**

**User Story**

As a team administrator, I should be able to edit the roster of the team, so we can keep the team roster updated for the present time.

**Flow**

System Requirements

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**User Story 14 – Color Coding**

**User Story**

As a fan of this particular player, I want to be able to easily identify, via some kind of symboling or color, what statistic my favorite player is leading in compared to other players, so I don’t have to calculate the difference in numbers myself.

**Flow**

System Requirements

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***Project Update User Stories Summary***

|  |  |  |
| --- | --- | --- |
| **Num** | **Completed User Story Title** | **Comments** |
| 1. | Display players Statistics | Displaying players’ current statistic averages |
| 6. | Players’ positioning | Able to see what position(s) a player is |
| 7. | Team Identification | Able to see what team a player plays for |
| 8. | Players’ ages | Able to see the age of player |
| 2. | Competitor Comparisons | Comparing 1 player’s stats to players across the league |
| 14. | Color Coding | Color code statistic value based on comparing value |
| 3. | Table Sorting | Sorting the table of team information by a statistic value |

|  |  |  |
| --- | --- | --- |
| **Num** | **In-Progress User Story Title** | **Comments** |
| 9. | Three point Field Goal % | Display of 3 point field goal % |
| 11. | Comparing Teammate Statistics | Comparing two player’s stats on the same team |
| 5. | Count of Players | Able to determine number of players on a team |
| 4. | Displaying Average Minutes per game | Display the average amount of minutes a player has played |
| 10. | Total Averages of statistics | Able to determine the total team averages of an opposing team |
| 12. | Statistic editing | Ability to edit players’ statistics |
| 13. | Roster Editing | Ability to edit a team’s roster |