**Who uses it?**

Baseball fans

**Why does he use it?**

To look up statistics about certain players and compare players.

**What is he trying to accomplish when he uses it?**

Fulfill his taiva for sports and see which players are the best in certain categories.

**What functions does your software provide to the user that help him achieve his goal(s)?**

Ability to sort by statistics to see leaders for both the entire league and by team.

**How does he use it? What steps does he go through in order to achieve his goal(s)? What are the workflows he progresses through when using it?**

First, the user has to define the statistics/ things about the player and add the player to a team. After all the players have been added, the user can choose if he wants to sort by league, team, or individual by calling the correct method. He then gets an ordered list for the desired statistic.

Classes

Statistics

Sorted List for each stat:

Batter: PA, AB, R, H, 2B, 3B, HR, RBI, BB, SO, BA, OBP, OPS, SLG, HBP, TB

Pitcher: ERA, G, SV, CG, SO, IP, H, BB, HR, SO, HBP, WHIP, (H,BB,SO,HR)/9

Getters for each stat

get(string stat, string sort)

comparePlayers(Player player1, Player players2, string stat) {

If (not same position) {

Throw error

}

Return compare(player1.get(stat), player2.get(stat);

}

Player interface

String Team

String Position

Class batter

Constructor: ints PA, R, H, 2B, 3B, HR, RBI, BB, SO, HBP, string team, string position

Setters and getters for PA, AB, R, H, 2B, 3B, HR, RBI, BB, SO, BA, OBP, OPS, SLG, HBP, TB

Class pitcher

Constructor: ints G, SV, CG, SO, H, ER, R, BB, HR, SO, HBP, double IP, string team, string position

Setters and getters, ERA, G, SV, CG, SHO, IP, H, BB, HR, SO, HBP, WHIP, (H,BB,SO,HR)/9