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<center>Softball Game Stats Tracker</center>

This Softball Game Stats Tracker is a Java application database that keeps the stats of a softball game and organizes them for a coach to be able to make coaching decisions. Softball is a game of failure and statistics show which players are performing well and which are not. The coach will begin the application by opening the "Roster" page and entering his roster and starters for the game. The application will ask for the name of the player and then if they are the starters, the coach will enter their position by the specific number (1 – pitcher, 2 – catcher, 3 – first baseman, etc..). The coach will be able to enter the "Roster" page anytime during the game to make a switch in the lineup if necessary.

After the lineups and rosters are entered into the application, it is then time to wait for the game to start. There are three places to enter stats; "Offense", "Fielding", and "Pitching". For the "Offense" page the coach will be able to record and at bat, hit, double, triple, homerun, walk, strikeout, runs scored, stolen bases, and stolen base attempts. When a coach records and at bat and any type of hit during a game, the application will automatically calculate the batting average of each player and the team as a total along with totaling all the other stats.

The application is also capable of keeping track of fielding statistics. During a game, the coach can record the number of errors by a fielder, assists, putouts, and double plays. When the stats are entered during the game, the application will be able to calculate the fielding percentage and total the rest of the stats for the coach to keep track of the team.

Lastly, the Softball Game Stats Tracker will be able to keep statistics of pitching. This part of the application will be able to keep track of the innings pitched, hits allowed, runs allowed, earned runs, walks, strikeouts and homeruns. At the end of the game, the application will be able to show the ERA of the pitchers and again total the other stats.

The end goal of this application is to track the stats of an entire softball game and save them along with the other games during the season for coaches to make decisions based on the performance of their players. There are a lot of moving parts in the game of softball and to be able to have stats at your hand makes it a little easier to make practical decisions when putting together a lineup that will win ball games.