# N-DROPP Source Design

Model-View-Controller (MVC)

# RANDOM JIBBERISH (NOTES,REMINDERS,ETC.)

IMPLEMENT MODEL-VIEW-CONTROLLER!!! The Shot Clock class can remain the model. Have a variable be current time and update it every callback from the running clock thread. Create a view class that handles the viewing of the clock which will run a thread that constantly reads the lock time from the clock object and then updates a view with the time.

A number of respondents agreed that a stopwatch shot-clock would be a great way to ensure that each team's counter is in sync.

In the open-response question, many individuals noted that they get distracted from watching the game when players argue certain calls. This reenforces the statistice that 35% of people think calling a player out causes the most distraction. Having a quick rulebook to settle the issue or a non-arguable whistle blow could help keep referees on task.

A respondent had an admirable note that the projected application would be great for tournaments. The in-game history will help referees to remember current-game statistics better.

A respondent noted that a rulebook would also be good to have for referee officials to become more familiar with the rules

A few individuals noted that they may be more distracted by a mobile application than benefitted by it while officiating a game. This could lead to audio-related options, taking less of the referee's visual attention.

Some respondents agreed that a built-in whistle would be beneficial, especially for use at practices.

A respondent suggested the application include a visual queue of knocked out players to help referees know the order in which players go back on the court when catches are made.

A respondent noted that the application's shot clock should be fast and smooth, making it quick and easy for the referee to reset the clock without taking much attention away from the game.

In addition to a rulebook, suggested features included search functions, filters, and categorization for easier rule look-up.

An answer to a free-response question suggested recording certain game scenarios where discrepencies unveiled. This way, captains and referees could go back and review these situations and make reformed decisions. This is similar to the idea of recording event history of a game, however, this implementation would require more detail (and effort on the referee's part).

Allow Head referee to end the game early (2 minutes left, just end the game and submit the scores). With this, allow a way for the user to recover a game in case the user accidentally ends the game. To recover a game, it must be the same date as the game was started (or less than 6 hrs if rolled over midnight or something ridiculous like that). In order to recover a game, information such as Players remaining for both teams, game clock, and scores will have to be stored.