My program is an MLB Stats application that loads the stats for the 3 statistical categories that are used to determine who wins the triple crown: RBIs, Homeruns and Batting Average. The triple crown in baseball is when a player in each league is the highest ranked in these stats. My original plan for this app was to do more stats and have the user be able to create a fantasy baseball lineup based on more stats in baseball, however, due to time, I decided to choose these 3 stats to focus on, which did take a lot of time to do. The user will enter finalists in the text areas and submit their picks for the top 3 finalists.

The list view in my program has the player’s first name, last name and the stat they enter in the search. When searching the 3 stats, the user should enter either “average”, “homeruns” or “rbi” so that the proper results are displayed (upper or lower case will work). The players are organized first by the whole MLB, then the American League and then the National League. Note, if an exception occurs for the http, the program should still work fine regardless of this exception.

Requirements:

1. There are many classes implemented in this program, which include Lineup.java, MLBRBILeaders.java, MLBHomerunLeaders.java, MLBAvgLeaders.java, etc. Lineup is a subclass on MLBStatsLeadersManager.java. The stats interface I created is implemented in FXMLDocumentController.java file on line 46. Although I did not create my own abstract class, the Application class in the MccdqwFinalProject.java file on line 18 is technically an abstract class.
2. I created many collection classes, which include the Array Lists I made in the FXMLDocumentController.java file on lines 54, 55 and 56. Exception handling occurs a lot through out my program. One example can be found in the MLBStatsLeadersManager.java file on lines 55-59.
3. The model in this program is the MLBStatsLeadersManager.java file.
4. I have 2 scenes in my program. The first one is the triple crown scene with the player stats and finalists text fields. When clicking submit on the first scene, the second scene with a congratulations message is shown to the user. The application state of the first scene changes based on which stat the user enters (homeruns, rbi, average).
5. The about information can be found when clicking help then about on the menu bar at the top.
6. The user can save the data they enter for their finalists by clicking on file then save on the menu bar at the top. The user can open their saved data by clicking file then open also.