

MEMO

DATE: March 1, 2020

TO: Devi Endluri

FROM: Siyuan Yang

SUBJECT: Phase 3 Deliverable #3. Process and Contribution

Team Process

First and foremost, we decide to use Eclipse, JavaFX and Scene Builder to design our graphical user interface. The reason behind that is the Scene Builder is an integrated and simple Drag & Drop user interface allowing for our team members to quickly and easily focus on the specific layer of GUI design.

After that, we divide the GUI design into four parts which are respectively menu, statistics, table and columns. The menu part provides the function of saving a file and shows you how to use this application. The stats part can load the file from our sports database and show the specific item count, minimum and maximum value of the data. The table part shows the name of high-level entities in our database such as Player, Stadium, Conference, etc. The column part will then give you the low-level entities under the selected high-level entity table.

Finally, we set up the database connection by creating a connection to the database and then managing it in an object.

My Contribution

In phase 3, I am responsible for designing the menu user interface and programming the menu controller. Besides, I help set up the database connection so that we can get the data from the queries. To be specific, the menu includes two menu items which are File and Help. The File item can provide the function of saving the file with the extension of txt and csv and can also quit the application whenever you click the quit button in the menu bar. The About item under Help will guide you through our application and teach you how to use this application in detail.