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<center>Requirements</center>

User Requirements

- The user will be able to enter their data about their weight, lifting experience (reduced to a scale), and their exercise goals from a drop down menu, which will be stored in a HashMap. This is a functional requirement.

- The user will be able to consistently reference their data input, meaning that they will be able to see their original weight, their original goals, and their original strength numbers. This is a functional requirement.

- The user should be able to have access to a graph of the growth of their core lifting numbers based on the user input. This is a functional requirement.

- This portion of the application should be available to users by November. This is a non-functional requirement.

System Requirements

- The user interface shall provide our databases with initial user input when our application is downloaded. We shall store this information in our databases and provide access to the group member who is creating the algorithm for the creation of the workout, which is a functional requirement.

- The system needs to be able to take the inputs from the user interface and store and organize them efficiently into a HashMap that maps their goals to their weight in the form of a String, which is a functional requirement.

- The system also needs to be able to store the other user data into another HashMap that maps their experience to their lifting numbers in the form of a String, which is a functional requirement.

- These strings will be stored into a form that is able to be easily parsed by the system that creates the workouts, another functional requirement.

- The system needs to be able to provide this information to the system that handles new periodic user input so that our users can see their progress. This is a functional requirement.

- Lastly, because it depends on the user interface, this portion of the project is constrained by the completion of that system and thus, it cannot be completed until the user interface portion is functioning, which is a non-functional requirement.