Gym Pal Requirements:

1.0.0 User must be able to create account

1.1.0 System must see if account already exists

1.1.1 System must have access to users in database

1.2.0 System must compare users password and confirmed password.

2.0.0 User must be able to log into account

2.1.0 System must check for username

2.1.1 System must have access to database with usernames

2.2.0 System must check that input password matches users password

2.2.1 System must have access to database with passwords

3.0.0 System must display past exercise history

3.1.0 System must check the exercise that the user selected

3.1.1 System must obtain users input exercise

3.1.2 System must be able to read the input on the GUI

3.2.0 System must obtain users ID to reference in the database

3.2.1 System must know who is signed in

3.3.0 System must be able to pull exercise history from database

3.3.1 System must have access to database.

4.0.0 System must take user input and store it

4.1.0 System must obtain users input in the GUI

4.2.0 System must identify exercise ID

4.3.0 System must store exercises in the exercise history table

5.0.0 System must be able to display a graph of exercise volume

5.1.0 System must be able to view past exercise weights and reps

5.2.0 System must be able to do calculations based off of past reps and weights

6.0.0 User must be able to choose buddy

6.1.0 User must be able to search for buddy

6.1.1 System must access list of usernames and display them

7.0.0 User must be able to reset password

7.1.0 System must have stored security questions for the user

7.2.0 System must be able to compare the users answers to security questions to the ones in the database

8.0.0 User must be able to view past body weight

8.1.0 System must be able to access past body weights based off of user ID

9.0.0 User must be able to store new body weights

9.1.0 System must take users input and store weight based off of user ID

10.0.0 System must be able to display users history per exercise on progress page

10.1.0 System must obtain users selected body part and exercise from GUI

10.2.0 System must access all of the users past exercises.