

## Manual Testing:

- 1) Authentication:
  - a) Tested logging in via google and email
  - b) Tested whether sessions were maintained when closing tab and reopening
- 2) Profile:
  - a) Tested whether updating user info in User information was reflected in profile
  - b) Tested if null fields caused crashes
    - i) Did not cause crash but did overwrite existing data with null
  - c) Tested if closing session and reopening session maintained the profile info
  - d) Tested if logging in on another computer maintained updated profile info
- 3) Chat:
  - a) Tested whether chat messages were being saved when tab was closed
  - b) Tested whether username in chat changed when the profile name was changed
  - c) Tested whether chats from one instance of the app were available to users using another instance of app
  - d) Tested whether chat properly extended below window when the amount of lines exceeded window size
    - i) Successfully created a slider but the chat window does not automatically slide down to the newest chat
- 4) Journal:
  - a) Tested if updating journal would change the values in Leaderboard.
  - b) Tested if updating journal worked with no values
    - i) If the values were null, a null was inserted into the database. While this did not create a crash, it did create some unexpected behavior in other parts of the application like leaderboard and fitness data
  - c) Tested if updating journal works with no value selected
    - i) The values were sent to a null field in the database
- 5) Fitness Data:
  - a) Tested if updating journal showed a change in the fitness data graph
  - b) Tested if updating Weight/Height showed a change in BMI in the fitness data graph
  - c) Tested if selecting different exercises properly displayed their data
  - d) Tested if BMI calculations were correct using [https://www.nhlbi.nih.gov/health/educational/lose\\_wt/BMI/bmi-m.htm](https://www.nhlbi.nih.gov/health/educational/lose_wt/BMI/bmi-m.htm)