

Criterion E: Evaluation

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Evaluation of Success Criteria:

- 1.) User can input their name and after inputting data, the homepage will greet them using the name input if they have already inputted distances
 - a. My client, whose name is "Ramya" inputted their name into the first page. and then after inputting their first distance were greeted with the text "Hello Ramya!!" at the top of the homepage.
- 2.) If the user has not yet inputted distances for their event(s) the homepage will ask them to start by inputting something
 - a. After my client inputted her name into the initial screen since she had not yet inputted any data into the app the starting screen showed up, containing the Track-The-Field logo and a text message asking her to press the plus button on the bottom right-hand corner to input her data
- 3.) The app will not allow users to input letters or other characters in the "distance" field which requires numerical data.
 - a. To test out this feature, my client tried writing her name in the throw-distance field, and was greeted with a message that told her she could input "numbers only."
- 4.) If the user has not yet inputted two values per each event in each month's tab, the app will inform users that in order to see a line graph they must input at least two values
 - a. After my client inputted the first value, she was redirected to the homepage where it told her that she needed to input at least two values in order for a line graph to form. She then pressed the plus button and inputted another piece of data for that event that month and a graph appeared
- 5.) The app will have different tabs for each month.
 - a. My client clicked through the different tabs for each month
- 6.) The app will have different line graphs for each event per month

- a. After my client inputted different data sets per each event per month, when she clicked through the different tabs per month she was able to see different line graph corresponding to the month's results.
- 7.) Each tab will be able to show more than one graph at a time.
 - a. My client inputted her results for two weeks' worth of both shot put and discus for the month of March, and the result was two line graphs on the same tab
- 8.) If the user inputs >2 unique of data for an event per month, the line will have a "curved" shape.
 - a. My client inputted three unique pieces of data for her discus throw in the month of February and those results produced a line graph with a curved shape.
- 9.) Users will have the option to change their name, and once their name is changed the homepage will state "Hello <new name>" instead of the old one.
 - a. In the settings section, my client changed the name from Ramya to Vidhya and the homepage then said "Hello Vidhya!!"

FURTHER TRANSCRIPT OF THE EVALUATION PRESENT IN APPENDIX B

Recommendations for future development

- The first recommendation my client gave me is that even when the user has inputted less than two unique pieces of data per event in each month, there should still be a way that they can see the distance they threw. She recommended that I added a tab at the bottom that just displayed the distance thrown and the date below the line graph section to increase the app's functionality. She also stated that the app should provide an option to delete values in case the user accidentally mispresses and adds a value that is too high or low. Finally, my client stated that the app would have more of a professional look if instead of being just an app you download and use personally, if it was like an online service that you could log into with your email and password. To do this I would have to switch from using a database like Hive, which mainly deals with local files, to one like Firestore. This would definitely take the app to another level of complexity and would require at least another 5-10 hours of coding to not only learn, but also understand and implement in my program.

Word Count: 199