

Criterion E: Evaluation

Success Criteria

1. The system will allow the user to input their average distances, which must be saved correctly in a CSV file.
 - This goal was met. The system I created asked the user for their stock yardages when they first opened the program. Then it saves that data in a CSV file so that the user can keep track of their data through multiple usages.
2. The system will allow a user to update their average distances per club and save those to the CSV file.
 - This goal was met. The system home page gives the user an option to alter their stock yardages. If done, the CSV file will be updated with the user's new yardage.
3. The club recommender algorithm will use different factors (like wind, distance, and terrain) to determine an optimal club to use.
 - This goal was met, but not to my satisfaction. The club recommendation algorithm I created takes many factors into consideration including wind, distance, terrain, and windspeed. Through the use of some research, I was able to create a fairly accurate recommendation system that can give you ballpark recommendations. However, I wish that I was able to use more specific research and make the algorithm more complex so that it could give much more precise results.
4. The system will simulate an 18-hole round and save all historical scores in a CSV file.
 - This goal was met. On the home page of the system, the user is able to start a new round. The system walks you through an 18-hole round. At the end, it will save the date along with your score in a CSV file so the user can track their historical data.
5. The system will allow a user to edit general notes and hole-specific notes.
 - This goal was met. The home page allows the user to edit notes. The user is able to choose a certain hole (or choose general) and write down some notes that they have. Then, these notes are saved to a CSV file for future reference.
6. The system will display notes for each hole during the round so the user can be reminded.
 - This criteria was met. The system displays the users' notes every hole when they are playing an 18-hole round.
7. The system will have a simple UI interface that works efficiently without crashing.
 - This criteria was not met. My client was impressed with the convenient console interface, but it wasn't a UI interface like he originally requested. However, I understood that a UI was not his biggest priority. With the time I was given I decided to have a console interface instead to put more effort into the algorithms behind my program.

8. The system will keep track of each user's data (notes, club distances, historical rounds) through CSV files.

- This criteria was met. Notes, club-distances, and historical rounds all are stored through CSV files so that the data is stored for each user over multiple uses.

Client Feedback

My client stated that he was overall satisfied with the program I created. He was able to run it on his iPhone. When providing feedback (in Appendix B), he stated that “the interface is simple and convenient for my use.” He was also “really happy with the recommendation system”.

There were also some limitations that my client stated. He wished “it could save my data across multiple devices” so he could use it on both his phone and computer. He also wished that it didn't have to run in a terminal and could be a separate app.

The feedback tells me that the program worked for my clients most important needs. However, there is always room for improvement

Word Count: 112

Recommendation for Further Development

I have a couple next steps I want to take to enhance my program. Firstly, I would like to work on my recommendation system. This means that I will have to do more research and figure out how to make more accurate calculations that are backed up by real world data. My client expressed this, but I also knew from the preliminary interview that this would be hard to attain. Secondly, I would like to make my program cross-platform. This would mean to change the way each user's data is stored. It would not be able to just be stored in CSV files anymore. My client also expressed this in our interview. I agreed and will try to work with him in order to add this feature. Lastly, I would like to make a real interface for the user so that they don't need to keep running it in a terminal. This means that I would need a GUI. I could potentially use Java Swing for this since I am familiar with it and it meets all the requirements for what my program would need. I would also like to work directly with my client for this so his preferences for the program's interface are met. This includes specific color schemes and sizes so it is accessible.

Word Count: 217

