









Criterion E: Planning

Success Criteria	Successful Output	Client Feedback
Program should be able to read data from a text file in order to create the database. This should create all Runners that are defined in the text file and the Main Menu will have options to create Runners manually as well.		"There was never any trouble working where I left off as long as I exported all the data. I like how the program makes sure I have the correct file name before it starts"
Search and Remove single or multiple Runners by Name, Time, and Level from the Main Menu		"The search button and remove buttons both work but I rarely need to delete whole groups of runners from the database. I still do like how the search will filter the runners based on if they contain the name, I put in. So sometimes I can find a runner when I may not know exactly how to spell their name."
Create Meets through the Meet Class that holds an Array list of type runner. Add runners from database to meet during initialization.		"The meets part is one of my favorite parts of the program and fits my needs exactly. After a meet, I can click this button and then select all the runners from the database very quickly."
Client must be able to manage meets through the Meet Menu		"I can delete any meets, and after a season ends I like how I can filter out empty meets as I remove runners that graduate. I would like it however if I could export only results from a single meet or change the meet times."
Runners should be addable, removable, and have editable time in the Meet Menu		"It's very straightforward on how to add and delete runners to a meet. At first it was a little confusing on how the changing times worked and there was actually two different ways to do that."
Runner private data including name, time, and level should be changeable in the Main Menu or the Meet Menu		"This part is very useful for me as I make typos quite a bit. I like how it stops me from messing up and putting 11 th graders in Frosh/Soph and how I can do it from either menu"
Create Races in the Race Menu that holds a meet name and a time. All Races in the menu should be sorted by time.		"The race menu displays all the information well, but like the Meet Menu I wish I could export all the data. For instance I could give graduating seniors a list of all their races sorted by time."

Export All Data sorted alphabetically or PR Sheet sorted by PR to new Text Files		"This part works splendidly. The original point of the program was to make an electronic PR sheet and the button does just that. The export all data function saves the entire database in a text file making it really easy to pick up where I left off"
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Further Improvement:

Ideas on how the product can be modified based on client feedback.

Exporting Data

The program should be able to export data not just as a PR sheet but in specific sections as well. As Coach Linen pointed out, it would be very useful to print out results just from a specific meet. This would be a simple addition as the meet menu already does a good job of sorting and displaying the data as desired. Additionally, the option to export data should be added to the race menu so that all of a runner's past races could be exported.

User Friendly

Since my client was a cross country runner and has been a coach for several years, he already had knowledge of the logic and assumptions I made when creating the database. However, there are some options that were still confusing to him such as changing the time for a race or meet that can be made easier. The tool-tips were useful to him but like most people, he didn't read them at first. This can be solved by adding buttons or changing button names.

Expanding Project Lifetime

The database works perfectly for one season/ years' worth of data but afterwards there are some issues that need to be addressed. For instance, the team may go to the same meets each year and so the meet names would need to be made more specific. Additionally, there should just be an option to move every runner to the next grade level and remove all seniors from the database at the end of the year.

Word Count: 266