

Criterion E: Evaluation

Action to Test	Client Feedback (Evidence in Appendix)	Criterion Met?
The program can retain previously imported data upon opening and closing the program	That's great that you thought about that! That will be a massive timesaver.	✓
The program should have the capability to import and parse PDF files into individual tests and questions	"I really love it how intuitive you made the import menu. Even someone like me that not so tech-savvy could reasonably figure out how to use it!"	✓
The program allows for general quizzing in which all questions are presented.	"I also think that the quizzing part of the program will also help your fellow students to do better on their decathlon studying. Thank you so much for making this program!"	✓
The program should be able to prompt questions that have been missed before	"That's great. I like that"	✓
The program should be able to export tests to an excel spreadsheet (xlsx format).	"Oh, my goodness! It worked! Thank you so much [me]! This will be such a tremendous help to the preparation I do every day. It will also keep Mrs. [Client] happy because I will be able to have more time to myself now! It really feels like all of that work is just gone with a click of a button!"	✓
Statistics are shown on the main menu of the program	"It really gives the sense that you are improving or that you really need to study more."	✓
The user should be able to reset these statistics	"I really like that. I think it might be bad if someone had to stay with their bad statistics forever if they start off with a few bad tests."	✓

Recommendations for Further Development

Future Improvements

Add more test types to be imported

The Client noted that there were other test types from a different source that would also be helpful if they were able to release to the students to give them more practice with the questions. They would also like these questions to also be exported to a spreadsheet. Because these tests are from a completely other source, it has a different format. This would mean that I would have to find a new method of parsing these pdfs and also creating a new method of selecting tests. This might include another ComboBox and changing the 2d ArrayList to a 3d one to accommodate the selection of different types of tests.

Search Bar for filtering dropdown menus

Since there are often 40-50 quizzes in each subject, there are a lot of tests in each subject in the dropdown menu. If a search bar was implemented, these options could be filtered down to a few tests only. However, because of the need for constant updates, it might be necessary to restructure the test selection portion to include a table. This is because once you click off a dropdown, none of the options are available. This could be solved with a table displaying all the tests in a popup, then the user could search with constant updates.

New Review Mode that encompasses a whole subject

The client suggested that having a review mode for an entire subject would be beneficial as an overall tool to review commonly missed questions. This would build upon the existing framework as the program would only need to loop through all the tests and aggregating all of the review tests together. A button would also be created to enter this mode. 4