



Word count: 497

Criterion E:

Success criteria were approved by my client and verified by the test plan. Client comments are highlighted in green and they are quotes from the interview found in Appendix C.

| Success Criteria (as listed in Criterion A) | Met / Not met | Justification |
|--|---------------|--|
| 1. Functional Account registration and login | Met |  <p>The application, upon user entering VALID credentials, allows them to register and log in.</p> <p>"I first tried to login, however since my credentials were not stored, I got referred to the registration page. The application clearly guided me throughout this process and did not allow false credentials"</p> |
| 2. Interface features and welcoming message | Met |  <p>The application provides a username-specific welcoming message, and clear, distinct GUI features that guide the user.</p> |

| | | |
|--|------------|---|
| | | <p>“Navigating the website was easy and straightforward, and the questions and filters were clear.”</p> |
| <p>3 and 4. Filtering Questions Functionality, and Real-time information as to which filters are chosen</p> | <p>Met</p> | <div><div>The selected unit is: 2.1 Selected Section: B</div><div><div>Section B Unit(s):2.1, 3.1</div><div>Title: A company that provides training for teachers plans to set up a training room in its offices</div><div><div>18. A company that provides training for teachers plans to set up a training room in its offices and a number of computers. Each computer has 1 GB of storage and 1024 of random access memory (RAM).</div><div><div>(a) Identify two types of storage on a PC.</div><div>[1]</div></div><div><div>(b) State the purpose of persistent storage on the computer.</div><div>[1]</div></div><div>In order to enhance work, the company decided only to install general application software on the training computers.</div><div><div>(c) Identify two types of general application software that would be installed on the training computers.</div><div>[2]</div></div><div>The company has decided to allow the teachers to use their own devices in its training room to bring various content.</div><div><div>(d) Outline one advantage to the company of implementing this change.</div><div>[2]</div></div><div><div>(e) Outline one disadvantage to the company of implementing this change.</div><div>[2]</div></div><div><div>(f) Describe one method of security that may be used on this wireless network.</div><div>[2]</div></div><div><div>(g) Explain why the speed of data transmission on the wireless network is the training room may.</div><div>[2]</div></div></div></div><div><p>The interface is interactive and provides real-time information as to the section and unit filter the user has chosen, and allows the user to change their selection of filters.</p><p>“The interface lets me know which filter I selected and allows me to easily change the filter without switching pages, this really helps me get the results I want”</p></div></div> |
| <p>5 and 6. GUI details for each question, Mark scheme is displayed when user clicks it</p> | <p>Met</p> | <div><div>Section A Unit(s):1.1, 2.1</div><div>Title: Features of a word processor and purpose of technical documentation</div><div>Answer all questions.</div><div><div>1. (a) Outline one feature of a word processor that could reduce the amount of typing required when writing letters.</div><div>[1]</div></div><div><div>(b) State the purpose of technical documentation provided with software.</div><div>[1]</div></div></div> <div>Markscheme (1)</div> <div><p>The markscheme is displayed when the user clicks a button to transfer them to the markscheme page.</p><p>“its convenient that the markscheme is hidden from me until I click it, which allows me to avoid hiding it manually as I solve the question.”</p></div> |

7 and 8. Practice test questions must be in order of lowest time taken to highest, and the time taken for the practice test must be within 5 minutes of the time specified by the user. For example, if the user chooses a 45 minute practice test, the test must be between 40-50 marks.

Met

Section A

Unit(s): 2.1

Title: Central Processing Unit

8. State the part of the central processing unit (CPU) that is responsible for carrying out calculations.

[1]

Section A

Unit(s): 2.1

Title: MAR and CPU

7. Outline the purpose of the memory address register (MAR) in the central processing unit (CPU).

[2]

Section A

Unit(s): 4.2

Title: Bubble sort

7. Describe the steps involved in using the bubble sort algorithm to sort an array.

[4]

The total marks of the practice test are always within 5 marks/minutes that the user specified before entering the test. For example, here are the total marks for the questions in a test was specified by the user

"The practice tests I created were constantly very near the time limit I selected, and the questions being ordered from lowest to highest marks really helped my students organize their time."

General client feedback:

- "Overall, the functions of the questionbank and practice tests were easily navigable and solved the problems I was facing with my students. However, I would like to create my own tests with my chosen specific questions, and I'd like to access previous tests I did. Also, I noticed a few incorrect titles and descriptions for questions that need to be fixed."

Recommendations for future improvements:

- **Reset password:** By adding another page synced to the user's email from the database, they can reset their password by inputting a new password. This will solve the user's problem of forgetting their password.
- **Customized tests:** By adding a new page with all the questions in the database, along with an "add question" button, the teacher will be able to add specific questions to a practice test to give to their students.
- **Saving recent tests:** By saving 2D-arrays containing recent practice tests inside the user's session. Allowing them to access it in the future.

- **Reporting incorrect questions:** By adding a report button next to each question linking the user to a new page where they can outline specific problems with the question, that will be sent to my email so I can make edits.