**Computer Science Internal Assessment: French Vocabulary Memorization Software**

CRITERION B – RECORD OF TASKS:

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| **Date:** | **Action:** | **Details:** | **Comments/Follow Up:** | **Date:** | **Criterion:** |
| **January 2021** | Correspondence with the client | Discussed the client’s problem and their requirements for a solution | Emails in Appendix A | January 6th | A |
| **January 2021** | First discussion with supervisor | My IA’s basic premise was approved. However, my supervisor had some suggestions. | My supervisor recommended the addition of several features in order to increase the software’s scope | January 10th | A |
| **January 2021** | Success criteria identified | Success criteria for the software are identified after multiple discussions with the client | See Appendix A | January 12th | A |
| **January 2021** | Created a flowchart laying out the basic structure of the solution | Helped me plot out a clear timeline for the development of the solution | See Criterion B for flowchart | January 14th | B |
| **January 2021** | Decided on the SDK and language used in the solution | Researched various languages and SDKs. Also assessed own skills/capabilities. | Decided on the Flutter UI SDK, coupled with the Dart programming language | January 16th | A |
| **January 2021** | Prepared a more detailed diagram | A diagram thoroughly describing the structure of the solution was made | See Criterion B for diagram | January 21st | B |
| **January 2021** | Finished designing user interface | Completed the design of all the software’s I/O screens. Designs later approved by client (see Appendix A) | See Criterion B for designs | January 27th | B |
| **January 2021** | Prepared test plan | Described all the features that will be tested, how they will be tested, and the successful outcome for each test. | See Criterion B for plan | January 30th | B |
| **February 2021** | Prepared flowcharts detailing the logic of the software’s key algorithms | Flowcharts were made in preparation for coding | See Criterion B for flowcharts | February 4th | B |
| **February 2021** | Started project | Created base project files and set up IDE | - | February 6th | C |
| **February 2021** | Finished coding home screen | Simultaneously had to learn Flutter and Dart from scratch. | Code in Appendix B | February 26th | C |
| **March 2021** | Started coding test interface for first type of test | Finished coding first test interface on March 11th | Code in Appendix B | March 1st | C |
| **March 2021** | Started coding remaining test interfaces | Finished all test interfaces on March 22nd | Code in Appendix B | March 13th | C |
| **March 2021** | Started coding score page | Finished score page on March 26th | Code in Appendix B | March 24th | C |
| **March 2021** | Started coding progress page | Finished progress page on April 24th | Code in Appendix B | March 28th | C |
| **April 2021** | Started coding Battle Mode Interface | Finished Battle Mode Interface on April 29th | Complete code in Appendix B | April 26th | C |
| **April 2021** | Started coding Difficulty Level Recommendation functionality | Finished implementing functionality on May 1st | Complete code in Appendix B | April 30th | C |
| **May 2021** | Product demonstration for client | The software was demonstrated at length to the client | See Appendix C for emails | May 3rd | E |
| **May 2021** | Software improved | Started implementing the suggestions made by the client | See Appendix C for emails | May 8th | E |
| **August**  **2021** | Finished solution | The development of the solution ended today | Complete code in Appendix B | August 25th | C |
| **September 2021** | Finished Alpha Testing | Tests for all the different parts of the software were completed | Results in Criterion D | September 9th | E |
| **September**  **2021** | Finished User Acceptance Testing | The client tested the software in detail, and found it met all their requirements | The client had no further suggestions to make | September 12th | E |
| **February 2022** | Video made | The software’s features were demonstrated and how the success criteria were met was explained | - | February 3rd | D |