Sprint Tracking

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| **Name:** | **The almighty quiz** | | |
| **Sprint Number** | **Start Date** | **End Date** | **Work hard rating** |
| 7 | 22/05 | 26/05 | ☆☆☆☆☆  (out of 5 stars) |

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| **KANBAN board at the start of the sprint** |
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| **Screenshot of the program at the start of the sprint** |
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| **Sprint Reflection and summary** |
| Switched from pack() to grid().  The summary screen now has a scroll bar that automatically scales up to the right amount to see all buttons inside of it. Save files are stored as %localappdata%\FHSAnF\AnF2023Quiz\USERNAME\_HERE\DY\_MO\_YR-HR\_MI\_SC.sav on Windows.  The summary screen now opens to a new window.  A confirmation box appears when trying to close a window now.  The summary screen mostly works. I just need to fix a few bugs. |

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| **Major Changes and Achievements Described** |
| I am now looping through the save files and should now be saving .sav files by the time and date they’re created and I also only make sure the summary button is visible if the username file exists. The summary screen is a little unusable as of now because of the changes I made to the UI layout.    I have been working on switching from using object.pack() to object.grid() because it has better support for the layout. This is promising behaviour.    The summary now has a back button and creates a new window. The save files also store their date and time appropriately.      There are now dialogue boxes for when the quiz is closed. |

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| **Brief Description of your testing** |
| My testing was very time consuming as I had to navigate through multiple menus and test multiple scenarios. I may need to come up with a shortcut that puts me straight into the summary menu. |

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| **Link to testing results/tables** |
| The program had errors when trying to close the summary window after the main menu window had already been closed. This was because I wasn’t closing both windows when closing the main menu window.    This would happen when trying to close the windows in quick succession because I wasn’t checking whether the window had already been closed.    That happened when I tried putting the back button next to the title text at the top. I have no idea why the scroll bar gets put down the bottom like that. The scrollable frame was very difficult to implement because of my own backend systems.    This error was coming up because I forgot to reference some variables in a lambda function.      “That wasn’t even a question” should be the only one checked. Not the last one. For some reason it says they’re all checked when I print the values. |

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| **KANBAN board at the end of the sprint** |
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| **Screenshot of the program at the end of the sprint** |
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| **Notes for next time, future improvements** |
| Work on the core elements before working on the aesthetics. I need to get the game functional and ready for a real player to actually try it. That includes finishing the summary screen and adding the questions to the game. |