

ICS4U7-3B Internal Assessment Criteria E

Success Criteria	Evaluation of Success
Registration/login can save and load multiple users' information with username/password verification.	This feature works as intended and saves/retrieves login information from directories created during registration.
Calendar accurately displays calendar years, allowing user input for any day's events.	The display is accurate, corresponding with real-time. Unfortunately, it limits users to only 1 event per day. Additional events simply override the previous one.
Calendar input can be selected and displayed as repeating daily/weekly.	Repeating events are only displayed for up to one month, which isn't the best solution, but I struggled to save information while avoiding infinite loops.
Student Lists allow users to add/delete students in a table.	This feature works by writing to and reading from text files.
Lists can sort students alphabetically by first/last name.	This feature works by reading names from text files, sending them to arrays, and sorting them through Selection sort.

Student Records/Financial Records allow user input to update & display students' information.	This feature mostly works, allowing information changes other than the name. While edits are still shown in the contact information text field, they aren't in lists.
Records can search for a name's display position.	This feature mostly works and returns the first occurrence of the name. Thus, students with the same name in a later position aren't recognized.
Financial Records has a calculator function that performs simple math.	This feature works and parses the user input to output an answer of double type.
Notepad has an editable text area for writing/saving user input.	This feature works by reading from and writing to text files.
Help windows give basic information about the operation of the program.	This feature works, and small windows appear to explain how to use the product, specific to the screen on which the user pressed the button.

Word Count: 308

Recommendations for Future Development:

Users should be able to add and display multiple events for the same day in the Calendar, which could most likely be done by saving the information to separate text files. Similarly, users should be able to display repeating events up to an end-date of their choosing.

Furthermore, changing a student's name should also rename the text file to which the student's information is saved, which would allow the display to properly show the name change in the lists. The search function could be improved to search for the next occurrence of the name entered when the user presses the button again, which would handle cases of overlapping names.

My advisor also suggested that having buttons to allow text customization such as font size, bold, italics, underlines, and colouring in the notepad would be more convenient than simply allowing plain text with no formatting.

Lastly, the program could be improved with password encryption to ensure that user information remains safe and secure. Having some type of backup system would also make the program more user-friendly since currently, any sudden damage and corruption to the computer or text files would result in major data loss.

Word Count: 198