

Criterion E: Evaluation

Test Criterion	Client Feedback (Evidence in Appendix)	Criterion Met?
The program should allow the client to add patients and have their data added to the program	“Yes it did. I can see that I added your dad to the table...I think the program added the data correctly.”	✓
The program should be able to retain data between uses of the program by saving to an external file and reading it upon opening the program	“Yes, all of the data was saved after I closed the program. I can still see your dad right there.”	✓
The program should allow the client to delete unwanted patients and have their data completely erased	“Yes I can see that the data has been erased and that the text file is now blank. I think your delete works.”	✓
The program should allow the client to search for patients by name	“Yes, the search feature worked. I can see only your name in the table.”	✓
The program should allow the client to edit patient data such as name, date-of-birth, restorative procedure to be performed, material to be used, etc.	“Yes, I can see that the color has been changed...and #30 was added to the teeth. I think the editing features work fine.”	✓
The program should display patient data to the user in a table that updates to changes such as additions, deletions, and edits	“Yes, I can see that the table changes whenever I make a change.”	✓
Patients should be assorted in alphabetical order based on their last names	“Yes, I can see that it sorts the patients by last name and then first name.”	✓
Error messages should appear if the users attempts to input invalid data into a text field or attempt to finish editing a patient’s data without providing all of the necessary information on them	“Yes, I can see the error message telling me I have invalid data inputted.”	✓

Recommendations for Further Development

Future Improvement

Ideas for further improving the program based on reflection and client feedback (see Appendix)

Date of Service:

The client requested that the date of service for a patient be added to their data in order to help them manage their schedule. This feature can be easily implemented by adding it as another private variable in the Patient class and providing it all the same methods as the other private variables as well as adding it to the data to be loaded and saved. The more tedious part will be editing the GUI to display this data and the field to input it but it should be very doable.

Contact Information:

The client requested that the contact information for patients be added to their data so that she can contact patients about their appointments and other information. Just like the date of service, this feature can be easily implemented by adding two new private variables to the Patient class (phone number and email address), modifying the loading and saving methods, and editing the GUI to allow for this data to be added and displayed.

To Be Serviced vs. Completed:

The client requested that patients be categorized based on if they still need to be serviced or if their procedure has already been completed and placed into separate tables for organization. This feature can be implemented by adding a variable in the Patient class indicating whether the patient has been serviced yet. Like the other two features, the loading and saving methods will be updated to account for this new data. Additionally, the main menu can use this variable to divide the patients into two different lists of to be serviced patients and completed patients. Another JTable will be made so that one only shows patients to be serviced using one list and the other patients that have already been serviced using the other list.

Word Count: 319