

Criterion E - Evaluation

Meeting the Success Criteria:

Goal	Result
Input information of new clients	I successfully was able to create a GUI that is designed for inputting clients and customizing their general demographics. This works side by side with an SQLite database in order to successfully store all these inputs per the user's request. All inputs are stored with the click of a jButton into a jTable making it easy for the user to access.
Send emails to clients, being able to alter the subject, body, and recipients of the email	My program included an email feature where my client was able to strictly select any existing clients which existed within the database. Due to my client's lack of technological abilities, the GUI and functionality of this feature was designed to mimic Gmail's "compose email" feature. All success criteria was achieved with a subject by selecting clients, a personalized subject input, and body input. To maximize productivity which my client was lacking, a feature to upload any existing text files to paste into the body, was integrated.
Save and track sent emails	This was debated and a conclusion was made to which it wasn't necessary. The reason for not implementing this feature is my client is already able to access this feature with the use of Gmail's "sent" folder, where he can track and save all sent emails from his mail account. There wasn't any opportunity for enhancing productivity and ease of use and therefore it was not included.
Update payment status on each client	An isolated tab within the GUI of the program called "Payment Status" allows my client to update payments by manually updating their payment status with a dropdown as well as tracking their most recent payments (by date). When the user selects "paid" as an input, the date is automatically obtained and stored into a jTable.

<p>Being able to delete information if it is not relevant or wanted anymore</p>	<p>The program successfully allows my client to remove multiple inputs that already exist in the database. Primarily, selected clients can be removed from the client table via a “Remove Client” button. To be added, a separate “Session Status” tab includes a function to simply remove sessions which are no longer wanted or relevant.</p>
<p>Easily access information through a search bar for various elements</p>	<p>My client wanted a search bar to isolate desired clients for ease selection¹. With many clients it could be unnecessarily time consuming. Therefore, the implementation of a search was integrated where a “Search Client” text field exists above the payment and session tables. My client can search for a client via their name, and instead of having to both input, then search, the searching process initiates as the client is typing. The previous prototype included a dropdown selection box which complicated the feature.</p>
<p>Sorting different elements depending on client demographics and statuses such as paid/ not paid or teacher/ student etc.</p>	<p>A sorting method was added in order to isolate and select desired clients based on their demographics and statuses. This feature was exclusively included into the email tab as per the client’s requests. A dropdown selection box is included into the GUI where the client has 5 different categories of selection. The user can select “All” for notice emails, “All Students”, “All Teachers”, “All Paid”, and “All Unpaid”. Based on these selections, my client can organize his email recipients depending on these selection indexes.</p>
<p>Appealing to look at, where the GUI is user friendly and straightforward with features being evenly spaced out.</p>	<p>Due to the fact that this criteria could be argued to be subjective to the user, it was assessed based on the client’s feedback. All GUIs aim to abstract certain processes from the user which could potentially be negative, as it prevents the user from really understanding and learning the functionality of the program. Because my client is unfamiliar with complex computer functionalities and processes, the goal was to abstract all complex methodologies. The client reported the program to serve as very</p>

¹ Tony Hemsley, interview by author, Bangkok, January 14, 2022, Interview #2

	<p>user friendly and incredibly simple. After a short period of time using the program, the client reported an estimate of “80% increased efficiency” from before and after use of the program². The use of sound features, the client stated it to be “more appealing and satisfying to work with”³. He also stated his intentions of continuing to use this program on a daily basis. This criteria was successfully achieved based on the client’s feedback.</p>
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Recommendations From Client:

Recommendations For Improvement	Benefits	Achievability of Recommendation
<p>Being able to export Jtables into excel or google sheets where they can be shared to others⁴</p>	<p>Highly beneficial to provide data to the client’s tax assistant instead of manually copying information. ⁵</p>	<p>This will be very achievable by either writing a function to extract the data into a CSV/ TSV file or simply integrating a library which works with the exporting of tabled data into existing applications like excel and google sheets.</p>
<p>Improve diversity and quantity of color on the program and integrate personalized eye catching designs. ⁶</p>	<p>Due to frequency of use the program must be pleasing to use. This will be highly convenient to the client due to daily use of the program.</p>	<p>This is easily attained by importing themes into the IDE to work with a more diverse set of features when building the GUI program. As far as personalization, a settings tab could be added where the client can select their preferred combination for text/ background.</p>

Word Count: 804

² Tony Hemsley, interview by author, Bangkok, March 5, 2022, Interview #3
³ Tony Hemsley, interview by author, Bangkok, March 5, 2022, Interview #3
⁴ Tony Hemsley, interview by author, Bangkok, March 5, 2022, Interview #3
⁵ Tony Hemsley, interview by author, Bangkok, March 5, 2022, Interview #3
⁶ Tony Hemsley, interview by author, Bangkok, March 5, 2022, Interview #3