

Section E – Evaluation

1. Account Creation and Updation

- a. Allow the user to create an account with their email and a secure password
- b. Send the user a verification email upon account creation
- c. Allow the user to change their password

Met: The validation checks for empty fields and password matching ensured that the system encountered no problems in the login process. Additionally, the use of a verification email added an additional layer of security during account creation.

Client Feedback: “I haven’t had any issues with this part”¹.

2. User Authentication

- a. Allow the user to login to their account if the username and password entered is correct

Met: Login credentials were stored in the accounts database and then accessed during the sign-in period to compare with the user’s inputs. Creating an external database ensured that data wasn’t lost after logging out.

Client Feedback: “This worked very well”¹.

3. Travel Expenses

- a. Allow the user to input their total travel budget and daily expenses
- b. Calculate their total travel expenses
- c. Show the user the percentage of their budget they have exhausted

Met: Allowing the user to input their expenses on a daily basis provided the opportunity to change their budget based on their needs. Additionally, the “reset daily expenses to 0” button allowed the user to use the system for not just one trip, but for an indefinite amount.

Client Feedback: “It definitely met my expectations”¹.

4. Open Maps

- a. Allow the user to open and access Maps through the system

Met: The use of external app communication within the system allowed the user to access complex features already available for navigation without redesigning and embedding them into the JFrame.

Client Feedback: “I wish the maps would automatically navigate to my current position instead of having to search it up. But otherwise, it works perfectly”¹.

¹ Appendix 3

5. Travel Itinerary

- a. Allow the user to input their daily itinerary
- b. Allow the user to save and update their itinerary

Met: The travel itinerary created an organized daily schedule for the user, allowing them to ensure all necessary tasks were completed. The opportunity to save and view the itinerary ensured that the data was stored and could be displayed even after the user logged off the system.

Client Feedback: “this is one of my favorite features, as it allows me to store my progress so efficiently and easily replaces my use of large documents earlier on.”¹

6. Digital Journal

- a. Allow the user to add, delete and edit the journal daily
- b. Allow the user to mark each write-up with a specific date
- c. Allow the user to view the journal

Met: The journal allowed the user to input short and long reflections with a date marker. The use of the journal data table allowed them to view past journal reflections with ease, even after logging off for a day.

Client Feedback: “The journal is another of my favorites. The only criticism I would provide is to start the journal text at the top instead of the middle”¹.

7. Click an Image

- a. Allow the user to click an image using the system

Met: The integration of a communication line with the photo booth app allowed the user to click images without having to undergo the hassle of opening and reopening another app.

Client Feedback: “very easy to use”¹.

8. Important Contact Information

- a. Allow the user to add important contact details
- b. Allow the user to mark certain contacts with high importance, some with moderate importance and others with low importance

Met: The contact information list could be easily managed using addition and deletion functions and marking their importance created an efficient way to categorize them.

Client Feedback: “I love the way it sorts the contacts and especially the use of the importance feature is really valuable. My only suggestion would be to maybe try to protect the high importance contacts or blur it in some way for greater privacy.”¹

¹ Appendix 3

Recommended Improvements

Document Management: Mr. X suggested the implementation of a document management system, allowing the upload and sorting of visa and other travel documents. “A specifically designed travel document management feature would be more effective than the standard file management system on my computer”, he said¹.

Fingerprint Password: Mr. X noted that it might be more convenient to input a fingerprint password instead of a text password for ease of logging in. The integration of biometrics could further secure the system.

Backup of Progress: Mr. X suggested to keep a backup of information added to the database to be able to recover lost progress. He mentioned that sometimes he “pressed the reset to 0 expenses button by mistake which lost all [his] previous progress”¹.

¹ Appendix 3