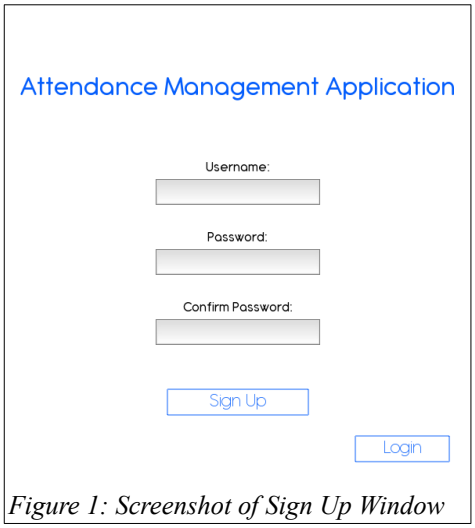
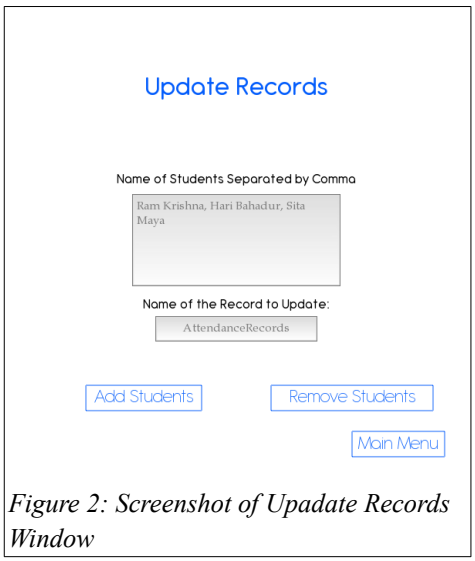
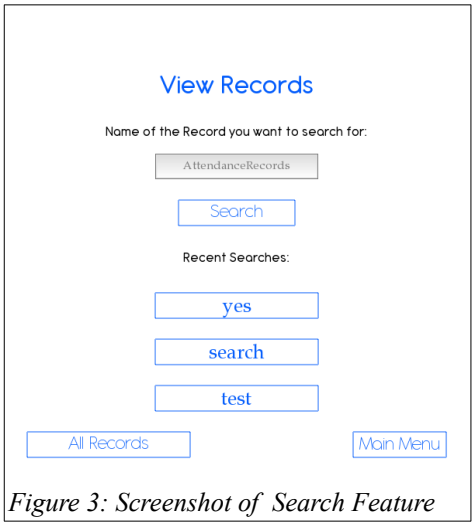
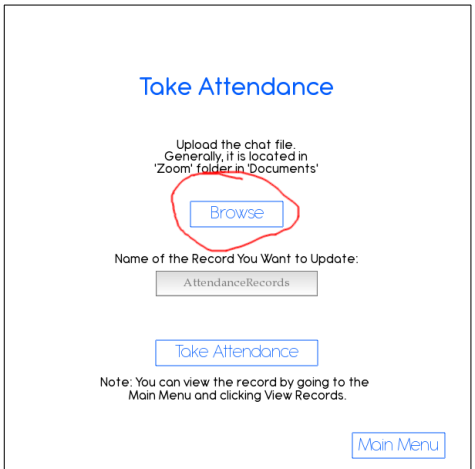
Criterion E: Evaluation

Evaluation of Completion of Success Criteria:

Criterion Tested	Met?	Remarks
1	✓	The client mentioned that the UI was easily understandable and he could take attendance fast[1]. The addition of help window along with suggestions for what to input in places where the user is required to input values added to the intuitiveness of the UI.
2	✓	In order to access, create, delete, update and view records the user is required to login.
3	✓	SHA256 (Secure Hash Algorithm) was used to has the passwords and was stored along with the username in an SQLite database.
4	✓	 *Figure 1: Screenshot of Sign Up Window*
5	✓	Multiple user accounts creation was made possible. Each user can create, update, delete and view their own records
6	✓	The spreadsheet generated was easy to understand[1] containing student name sorted alphabetically, date and presence
7	✓	Every users folder containing their records were zipped in .7z format and protected with the user's password
8	✓	Using the UI the user is able to create, delete, update as well as view

1 See Appendix A.3: Response of Verbal Questionnaire

		records stored in a spreadsheet containing the attendance
9	✓	 *Figure 2: Screenshot of Upadate Records Window*
10	✓	 *Figure 3: Screenshot of Search Feature*

11	✓	 *Figure 4: Screenshot of Take Attendance Window with The 'Browse' Prompt*
12	✓	Error/alert messages are displayed if any wrong data has been entered by the user

Client Feedback

A questionnaire was used as a way to perform user acceptance testing[2]. This was paired with a working prototype of the product itself. The client mentioned that he thinks this product will be very useful for him and that the GUI was very user-friendly. However, he also mentioned the need for a 'View All Records' buttons (this has since been added to the application).

Recommendations for Further Development

Below are some features which the client felt could be added to the application:

1. **Visual Representation of the Attendance Records:** The client mentioned the convenience of being able to view all the records of attendance of students at a glance using a pie/bar/line chart. This could be implemented probably using Matplotlib library for Python.
2. **Uploading the Spreadsheet on Cloud Services (such as Google Drive):** The client mentioned

2 See Appendix A.3: Response of Verbal Questionnaire

that since school required him to upload the attendance onto Google Drive and share it with the administration of the school, it would be convenient if the application could also automatically do that for him. I believe that this feature could be implemented using an API (Application Programming Interface).

Word Count: 384