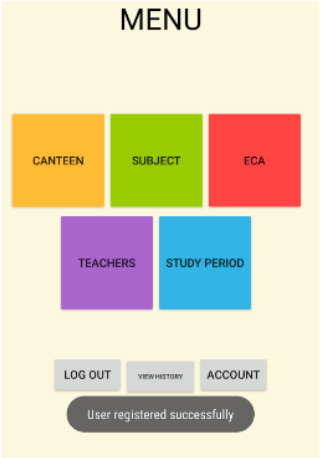
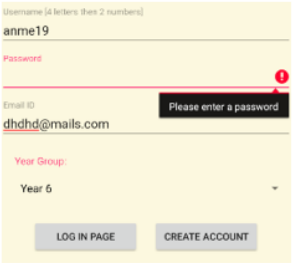
SECTION E

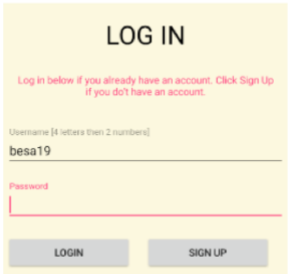
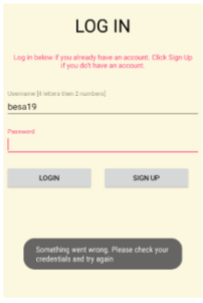
1. A FEATURE THAT ALLOWS USERS TO REGISTER IN THE APP TO ENSURE THAT THEIR PROFILES ARE KEPT SEPARATE FROM OTHERS'.

The sign-up process ensured that user data was kept separated, and was tested through the Record of Tasks entry 47 to 49.

Proof of User Registration	Proof of Validation	Proof of Database Storage:
		 Data stored in database. Some fields omitted due to privacy concerns.

2. A FEATURE WHICH ALLOWS USERS TO LOG IN THE APP TO ENSURE THEIR FEEDBACK IS UNIQUE TO THEIR USERNAME AND DETAILS.

A log-in page was created along with an "accounts" table in the database, and was tested in Record of Tasks entry 50 to 53.

Proof of User Registration	Proof of Validation
	

3. A CLEAR AND STRUCTURED DATABASE SYSTEM THAT EFFICIENTLY STORES ALL THE COLLECTED DATA

As this was a qualitative test, I took advice from my advisor. In her email attached below, she gave me a confirmation stating that the database was efficiently structured.

MC Munyee Chong
01/08, 14:35

Reply all

Hi I ,

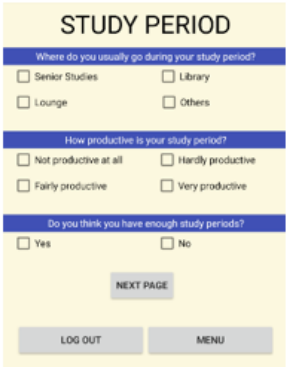
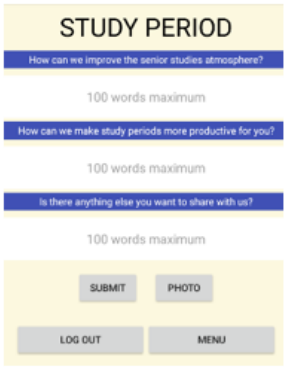
I am writing this email to verify that your database structure is as efficient as it can be. Thank you for following up on my advice. I hope this project is able to be very successful with this database design.

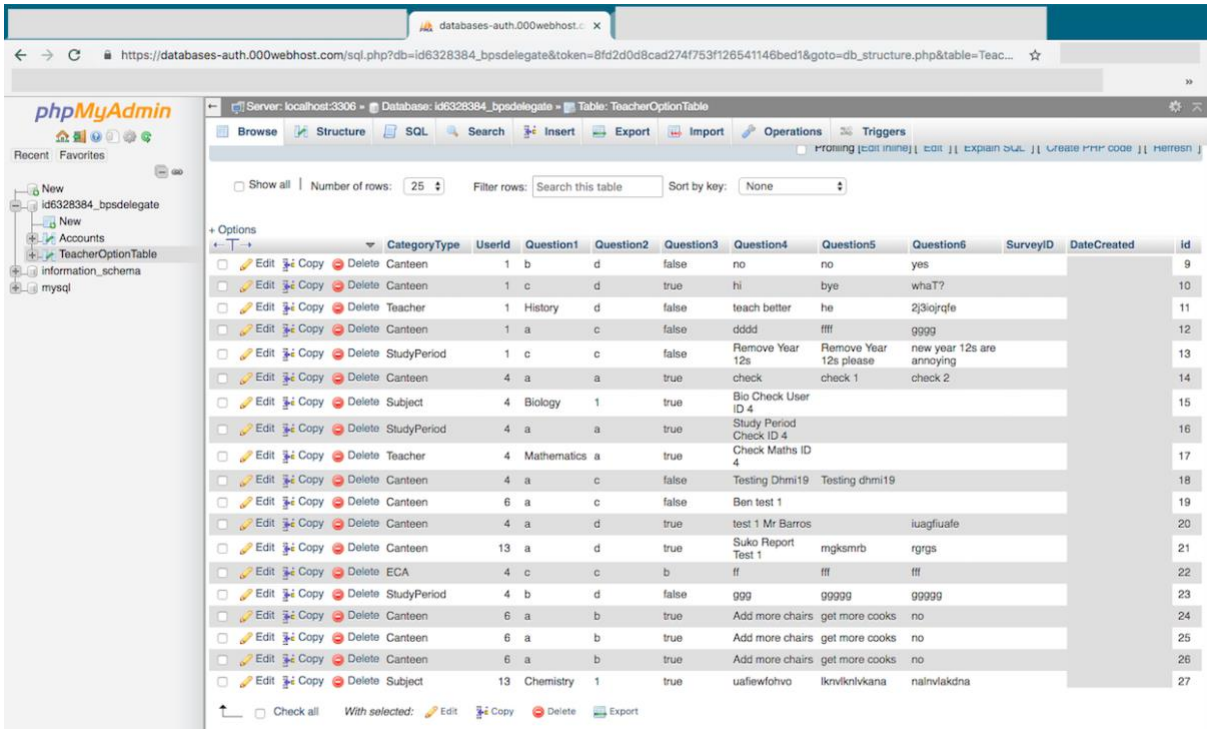
Kind Regards,

Mun Yee Chong
Teacher of Computing

4. A FEATURE THAT ALLOWS STUDENTS TO ADD RECORDS TO THE DATABASE WHEN THEY SEND FEEDBACK

Students were able to submit both objective and subjective responses through 2 separate pages. This was then tested as seen in the Record of Tasks entry 54 to 56.

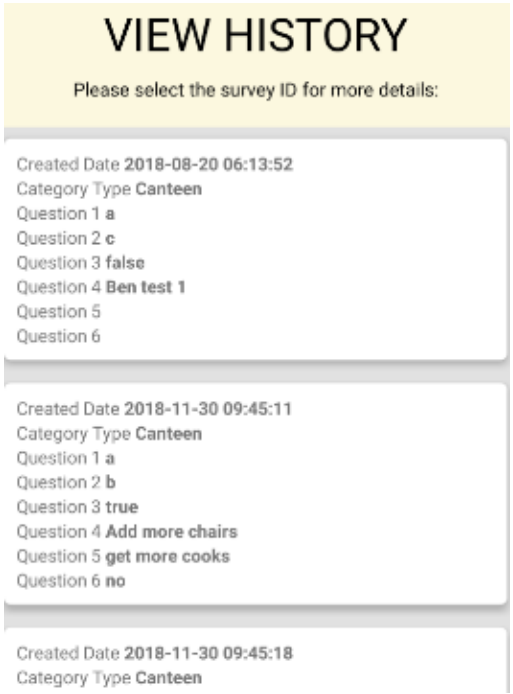
Proof of Objective Feedback	Proof of Subjective Feedback
	



Screenshot from “phpMyAdmin” proving that records were able to be added on my database

5. A FEATURE WHICH ALLOWS USERS TO VIEW THEIR PREVIOUS FEEDBACK ENTRIES

Users can view their submission history as scrollable card layouts in the application. No user input is required for this step besides pressing the “view history” button.



6. ENSURE A USER-FRIENDLY USER INTERFACE IS MADE, CUSTOM FIT TO MY CLIENT'S NEEDS

Two surveys (Appendix E) were conducted: one for my client and another for the general school public.

USER FEEDBACK SURVEY REFLECTION

The results of the user feedback survey (Appendix E) are summarized below:

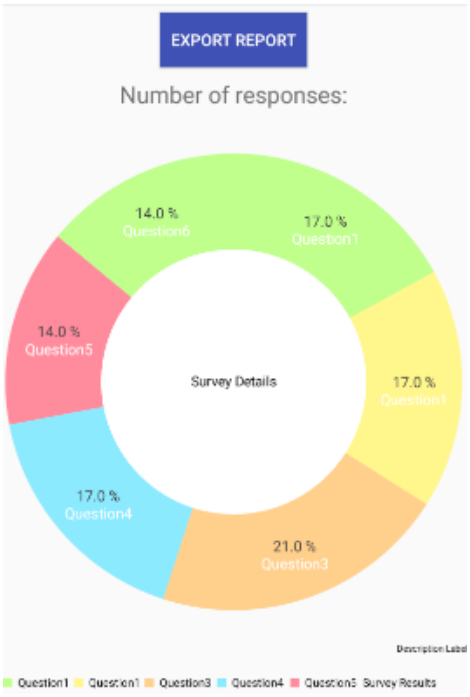
Category	Ratings of 8 or higher out of 10 as a percentage of total responders		
	8/10	9/10	10/10
Aesthetics of UI	16	4	4
Ease of Sign-Up	32	24	12
Ease of Log-In	28	28	12
Ease of Submission	24	40	20

CLIENT FEEDBACK SURVEY REFLECTION

As seen in the email attached in Appendix E, my client was happy with the ease of using the application, implying a good user experience. Although he did suggest some improvements in the color scheme.

7. A FEATURE WHICH ALLOWS MY CLIENT TO GENERATE PIE CHARTS TO VIEW THE NUMBER OF QUESTION RESPONSES

When the client clicks on the report button, he can choose which category to compile the report off. After that, he will be able to see the spread of the responses for that category:

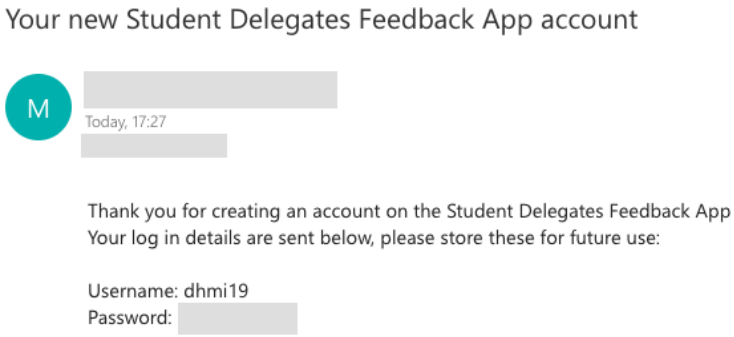


8. A FEATURE WHICH SENDS MY USERS AN EMAIL WITH THEIR RESPECTIVE LOG IN DETAILS FOR SAFE KEEPING.

Once the user signs-up, they will receive an email with their log in details for safe keeping.

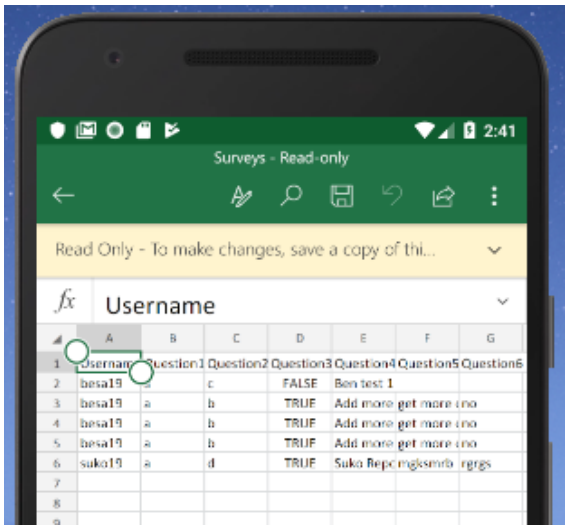
Verification on App

Verification of Email



9. A FEATURE THAT EXPORTS THE DATABASE TO EXCEL SHEETS FOR MY CLIENT TO USE IN THE WEEKLY STUDENT DELEGATE MEETINGS.

My client requested to be able to view the database on his phone to give him the required data to present to the leadership team. The picture below shows a copy of the database exported into an excel file for my client.



ADVISOR FEEDBACK

M advisor was pleased with the product as it met all the criteria. Although she was happy that the database was clearly structured, she suggested adding additional features like deleting user's feedback. This can be seen in the email attached in Appendix E.

FEEDBACK FROM CLIENT

My client was very happy with the product He was pleased by the ease of adding data to the database as well as being able to view pie charts of the number of responses (Appendix E). He also liked the "view history" feature and the excel csv feature, but recommended me to allow the users to use the camera and create new surveys.

FUTURE DEVELOPMENTS

MINOR DEVELOPMENTS

- **User Interface:** Use softer colors to make the visual experience more pleasing. This was inferred from the user survey (question 2) and client feedback email (Appendix E).

- **Labels:** Having explanations hover over labels would make it easier for the user to understand the functionality of the buttons.

MAJOR DEVELOPMENTS

- **Edit and Delete feedback:** Currently, the users can only edit and delete their accounts. My advisor suggested to implement edit and delete features for the feedback too.

- **Camera feature:** My client suggested to allow the users to the phone camera or microphone to send a variety of feedback types and give more concrete evidence for the feedback.

- **Create new surveys:** My client also requested to allow staff members to create their own surveys on the app. With the efficiency of my database design, the server-side development shouldn't need to be changed much. However, a lot of changes to the UI would be needed.

Words: 564