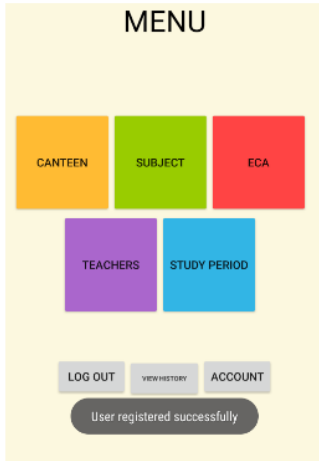
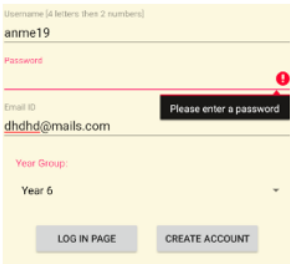





# SECTION E



## 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:
		 <p>Data stored in database. Some fields omitted due to privacy concerns.</p>

## 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.



Munyee Chong

01/08, 14:35



Reply all | v

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
<p><b>STUDY PERIOD</b></p> <p>Where do you usually go during your study period?</p> <p><input type="checkbox"/> Senior Studies <input type="checkbox"/> Library</p> <p><input type="checkbox"/> Lounge <input type="checkbox"/> Others</p> <p>How productive is your study period?</p> <p><input type="checkbox"/> Not productive at all <input type="checkbox"/> Hardly productive</p> <p><input type="checkbox"/> Fairly productive <input type="checkbox"/> Very productive</p> <p>Do you think you have enough study periods?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>NEXT PAGE</p> <p>LOG OUT MENU</p>	<p><b>STUDY PERIOD</b></p> <p>How can we improve the senior studies atmosphere?</p> <p>100 words maximum</p> <p>How can we make study periods more productive for you?</p> <p>100 words maximum</p> <p>Is there anything else you want to share with us?</p> <p>100 words maximum</p> <p>SUBMIT PHOTO</p> <p>LOG OUT MENU</p>

The screenshot shows the phpMyAdmin interface for a database named 'id6328384\_bpsdelegate'. The table 'TeacherOptionTable' is selected, showing 27 records. The table structure includes columns for CategoryType, UserId, Question1 through Question6, SurveyID, DateCreated, and id. Each record has associated actions: Edit, Copy, and Delete.

Options	CategoryType	UserId	Question1	Question2	Question3	Question4	Question5	Question6	SurveyID	DateCreated	id
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	1	b	d	false	no	no	yes			9
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	1	c	d	true	hi	bye	whaT?			10
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Teacher	1	History	d	false	teach better	he	23iojqle			11
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	1	a	c	false	dddd	ffff	gggg			12
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	StudyPeriod	1	c	c	false	Remove Year 12s	Remove Year 12s please	new year 12s are annoying			13
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	4	a	a	true	check	check 1	check 2			14
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Subject	4	Biology	1	true	Bio Check User ID 4					15
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	StudyPeriod	4	a	a	true	Study Period Check ID 4					16
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Teacher	4	Mathematics	a	true	Check Maths ID 4					17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	4	a	c	false	Testing Dhmi19	Testing dhmi19				18
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	6	a	c	false	Ben test 1					19
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	4	a	d	true	test 1 Mr Barros		iuagfiuafe			20
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	13	a	d	true	Suko Report Test 1	mgksmrh	rrrgs			21
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	ECA	4	c	c	b	ff	fff	fff			22
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	StudyPeriod	4	b	d	false	ggg	ggggg	ggggg			23
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	6	a	b	true	Add more chairs	get more cooks	no			24
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	6	a	b	true	Add more chairs	get more cooks	no			25
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Canteen	6	a	b	true	Add more chairs	get more cooks	no			26
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	Subject	13	Chemistry	1	true	uafiewfohvo	lkrviknkvkana	nainvlakdna			27

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.

## VIEW HISTORY

Please select the survey ID for more details:

Created Date 2018-08-20 06:13:52

Category Type Canteen

Question 1 a

Question 2 c

Question 3 false

Question 4 Ben test 1

Question 5

Question 6

Created Date 2018-11-30 09:45:11

Category Type Canteen

Question 1 a

Question 2 b

Question 3 true

Question 4 Add more chairs

Question 5 get more cooks

Question 6 no

Created Date 2018-11-30 09:45:18

Category Type Canteen

## 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:

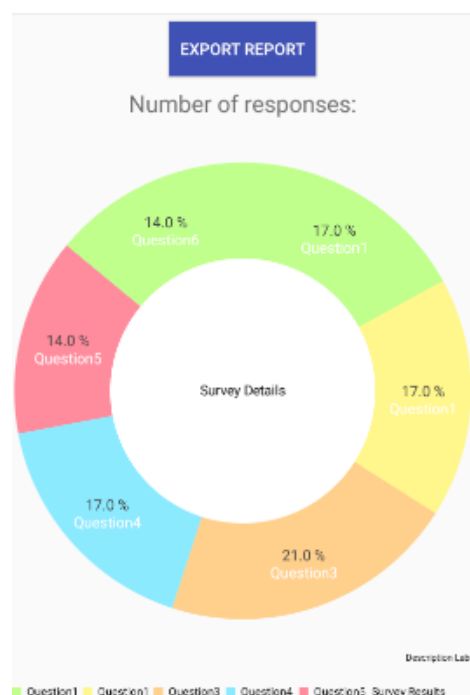
Category	Ratings of 8 or higher out of 10 as a percentage of total responders		
	8/10	9/10	10/10
Aesthetics of UI	16	4	4
Ease of Sign-Up	32	24	12
Ease of Log-In	28	28	12
Ease of Submission	24	40	20

### 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

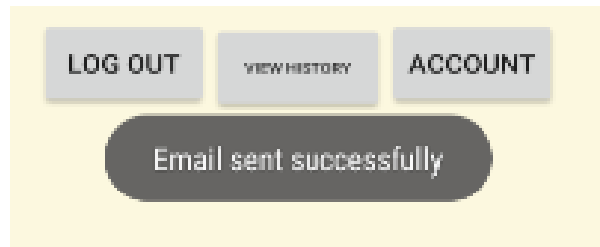
When the client clicks on the report button, he can choose which category to compile the report off. After that, he will be able to see the spread of the responses for that category:



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

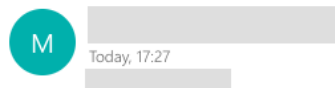
Once the user signs-up, they will receive an email with their log in details for safe keeping.

### Verification on App



### Verification of Email

Your new Student Delegates Feedback App account



Thank you for creating an account on the Student Delegates Feedback App  
Your log in details are sent below, please store these for future use:

Username: dhmi19

Password: [REDACTED]

## 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.

A screenshot of a smartphone screen showing an Excel spreadsheet. The title bar at the top says 'Surveys - Read-only'. Below the title bar is a yellow banner with the text 'Read Only - To make changes, save a copy of this...'. The spreadsheet has a header row with columns labeled 'Username', 'Question1', 'Question2', 'Question3', 'Question4', 'Question5', and 'Question6'. The data rows show usernames like 'besa19' and 'suka19' with corresponding answers and test results.

	A	B	C	D	E	F	G
1	Username	Question1	Question2	Question3	Question4	Question5	Question6
2	besa19	a	c	FALSE	Ben test 1		
3	besa19	a	b	TRUE	Add more get more uno		
4	besa19	a	b	TRUE	Add more get more uno		
5	besa19	a	b	TRUE	Add more get more uno		
6	suka19	a	d	TRUE	Suka Rep: mglesmba rgrgs		
7							
8							
9							

## ADVISOR FEEDBACK

My 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 use 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