



اَوْنِيُوْ سِيْطِيْ بَاتِيْكَوْ لُوْ كِيْ بَاتِيْ
UNIVERSITI
TEKNOLOGI
MARA

**COLLEGE OF COMPUTING, INFORMATICS AND
MATHEMATICS**

**CSC264 : INTRODUCTION TO WEB AND MOBILE
APPLICATION**

**FINAL REPORT : UiTM RAUB CLUB REGISTRATION
SYSTEM**

CLASS : CDCS1104E

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1. Organizational Chart



2. Project Description and Purpose

2.1 Introduction to the Project

University students usually seek to join clubs and communities to enhance their social skills and make new friends. There are many clubs and organizations that can be found within the UiTM Raubs student community. Engaging in club activities is a good way to fill university life. Although the community is strongly established, there is no platform for students to find and discover clubs that exist at their university, especially those that are available on campus.

Hence, the main objective of the UiTM Raub Club Registration System is to solve this problem, which helps students discover, join, and engage with clubs across UiTM Raub on a centralized platform. Students can find and join clubs and organizations of a variety of types and specialties that align with their interests and goals. A centralized platform helps users keep up to date with announcements and upcoming events that were organized by their club.

This project also aligns with Universiti Teknologi MARA's mission to produce ethical, competent, and globally competitive graduates. By participating in club activities, students can gain valuable experience in project management, leadership, and high-level decision-making. It really provides UiTM Raub students with a platform that helps them enhance their potential and opens up more opportunities for them.

2.2 Problem Statement

I. **Information Fragmentation**

Students find it difficult to access up-to-date and comprehensive information about the various clubs and organizations available at UiTM.

II. **Inefficient Coordination**

The absence of a centralized system leads to challenges in scheduling and coordinating events and activities, resulting in potential conflicts and missed opportunities.

III. **Limited Channels**

There is no unified platform for students to gain information about clubs, or express interest in joining clubs.

IV. **Poor Engagement and Participation**

The absence of a central hub for clubs can hinder student engagement and participation in extracurricular activities.

V. **Lack of Feedback Mechanisms**

There is no systematic way for students to provide feedback and reviews on clubs and events, hindering the continuous improvement of club activities.

2.2 Objectives

- Help students discover clubs that exist on their campus.
- Provide a centralized platform for club activities and management.
- Increase student engagement with the community.

2.3 Scope of the Project

I. **User Authentication**

Login and Register functionalities to improve data security.

II. **Club Database**

Collection of clubs and organizations that can be found in UiTM.

III. **Dashboard**

Allows users to edit their information in their profile page.

IV. **Club Management**

Manage club activities and events within the platform.

2.4 The Impact of the Web Application to the Targeted Audience

I. Improved Access to Information

Students can easily discover and access information about clubs and events across the university.

II. Enhanced Engagement

The platform provides students with easy access to a variety of extracurricular activities, encouraging higher participation and engagement.

III. Increased Visibility

The platform can boost the visibility of clubs and their events.

IV. Strengthened Community

A centralized platform fosters a stronger sense of community among students and clubs across all campuses.

V. Data-Driven Insights

The application can provide valuable data and insights into student engagement and preferences, informing future university initiatives.

3. System Analysis and Design

3.1 Data Flow Diagram - Context Diagram

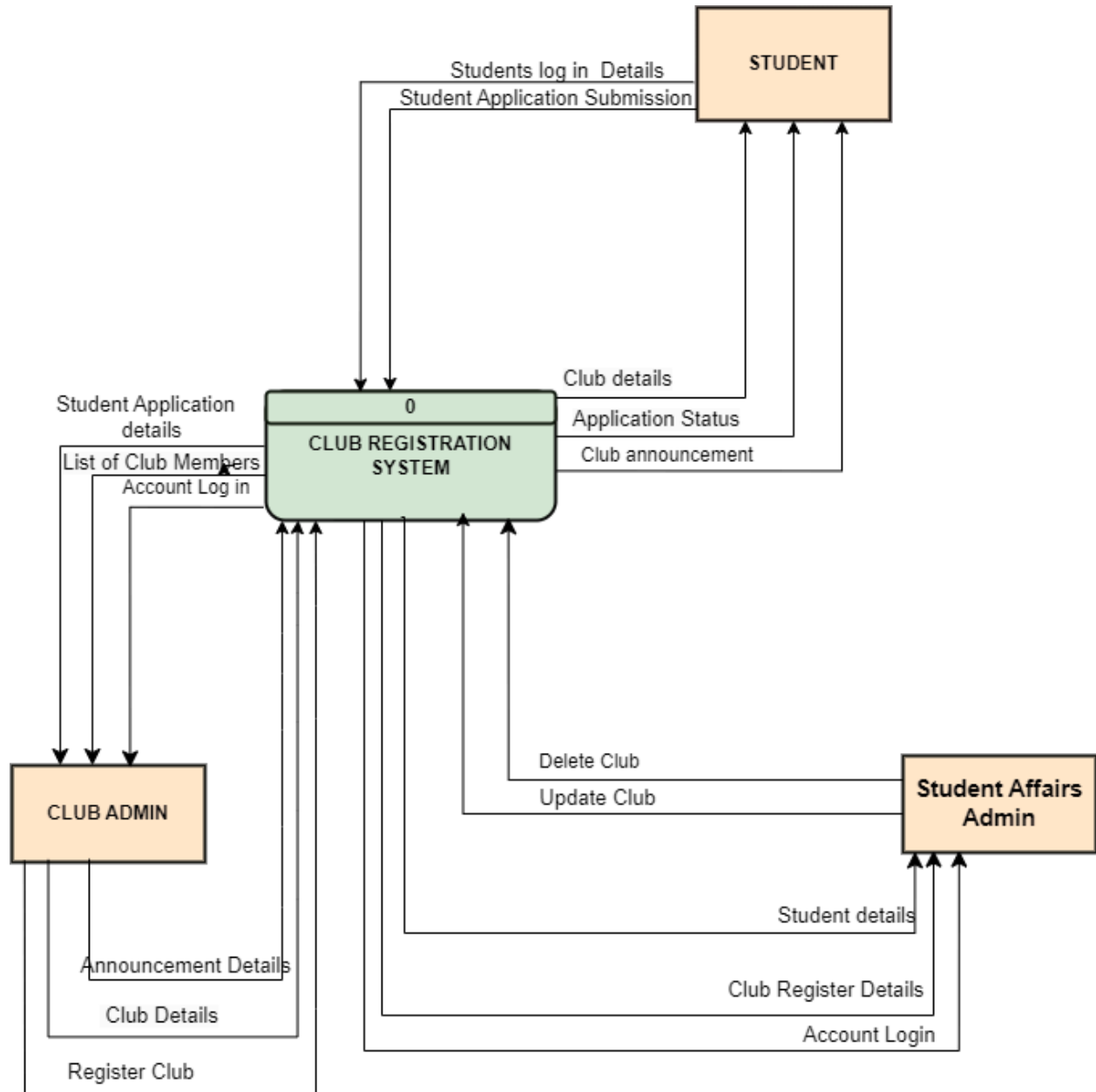


Diagram 3.1. Context Diagram of the web application

3.2 Data Flow Diagram - Diagram 0

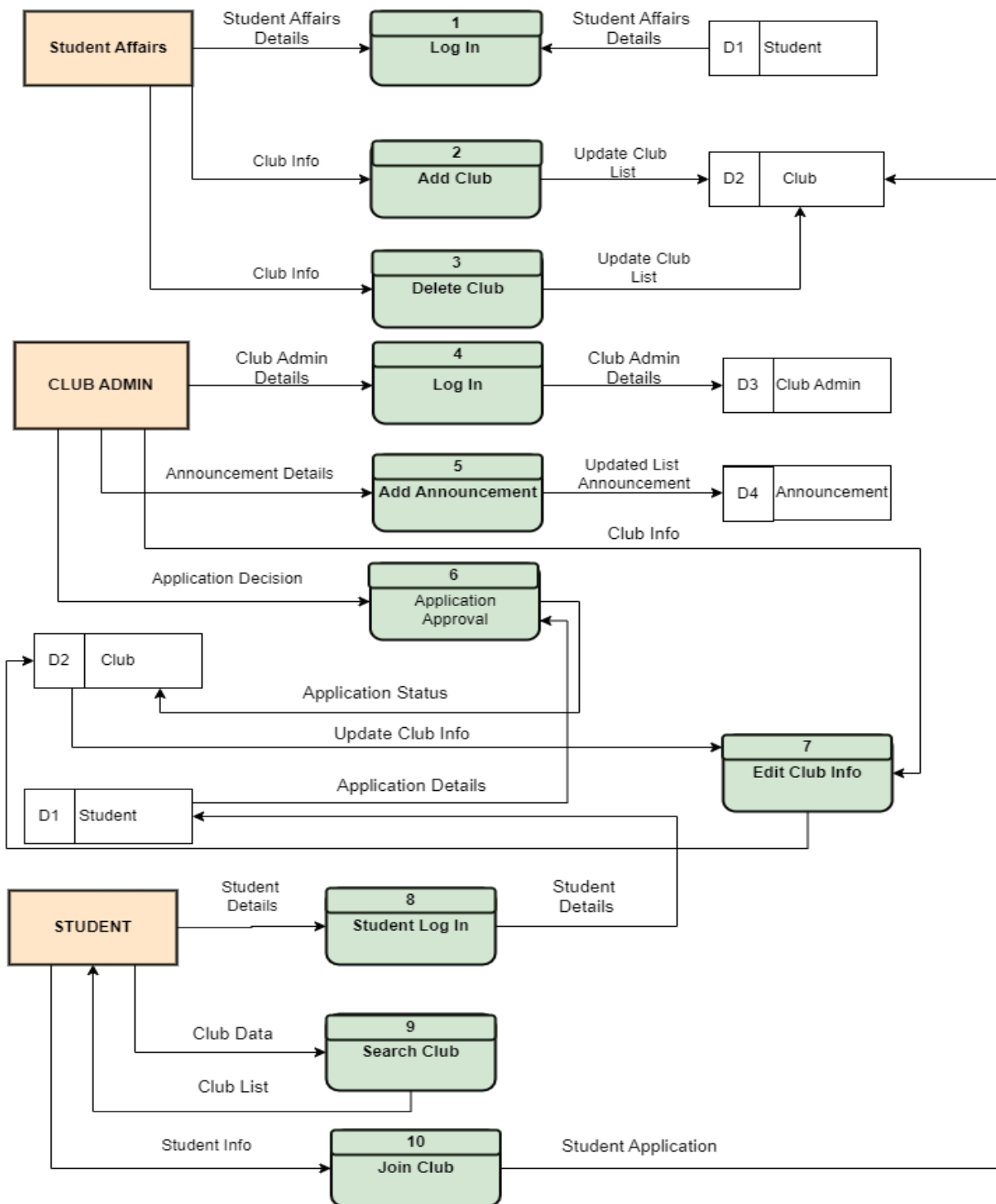


Diagram 3.2. Diagram 0 of the web application

4. Database Design

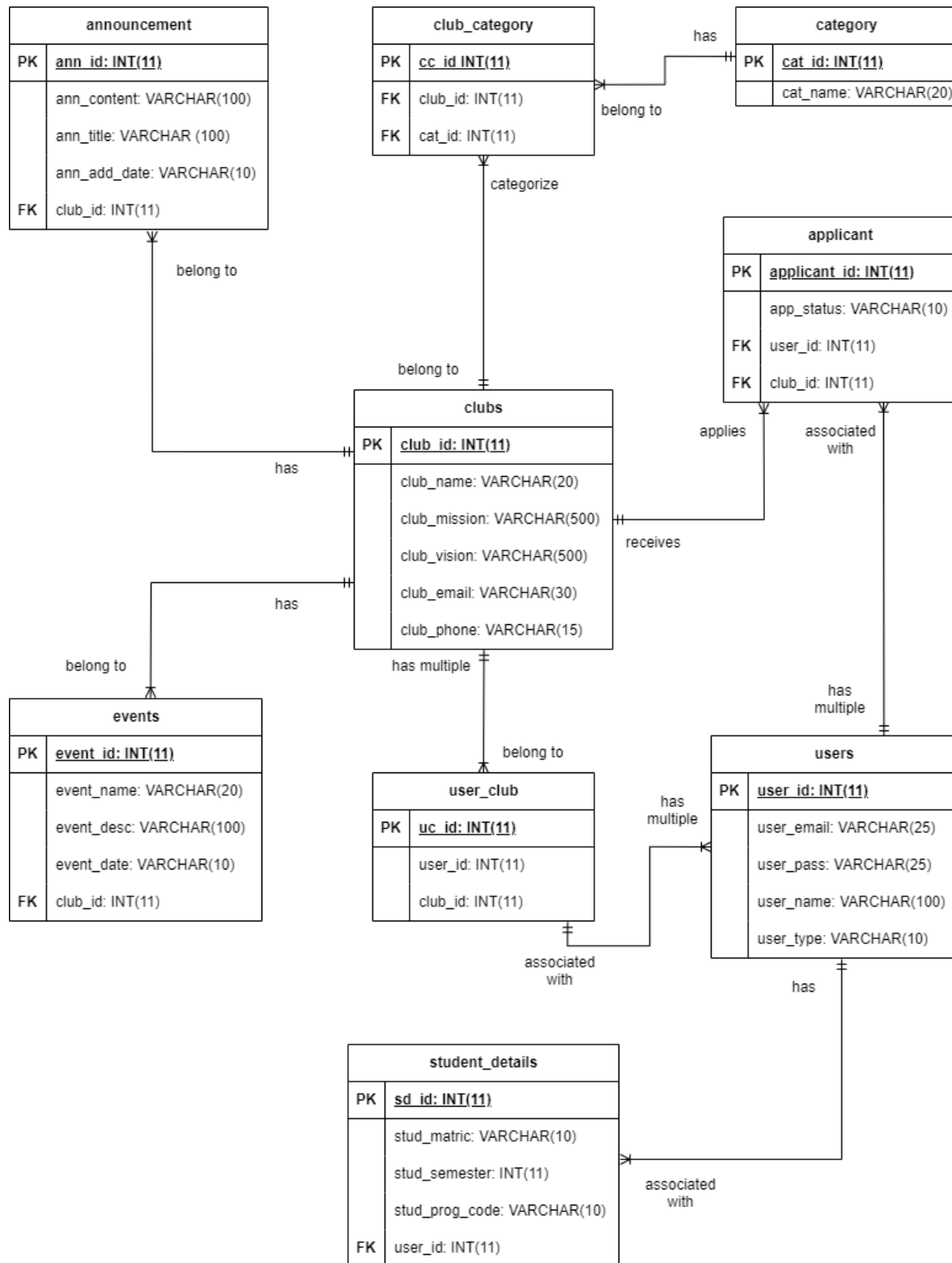
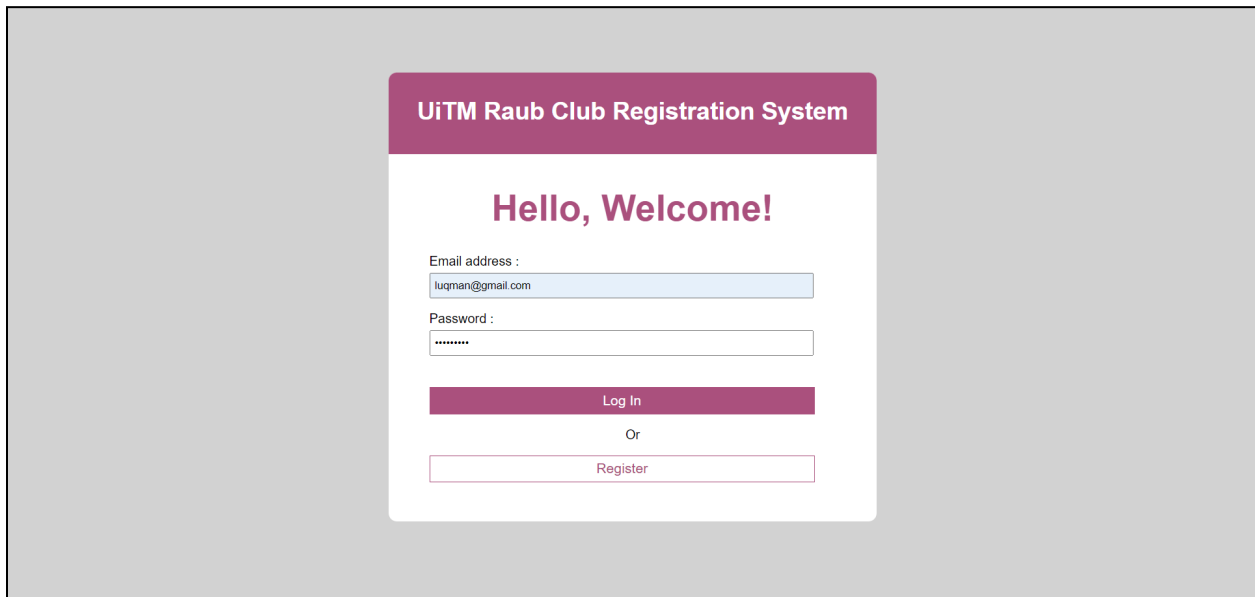


Diagram 4. Entity Relationship Diagram of the system's database

5. Sample Interface and Output

5.1 Student Interface



The login interface features a purple header with the text "UiTM Raub Club Registration System". Below the header, the text "Hello, Welcome!" is displayed in a large, bold, purple font. The form includes two input fields: "Email address :" with the value "luqman@gmail.com" and "Password :" with masked characters "*****". A purple "Log In" button is positioned below the password field. Below the button is the text "Or" and a white "Register" button with a purple border.

UiTM Raub Club Registration System

Hello, Welcome!

Email address :
luqman@gmail.com

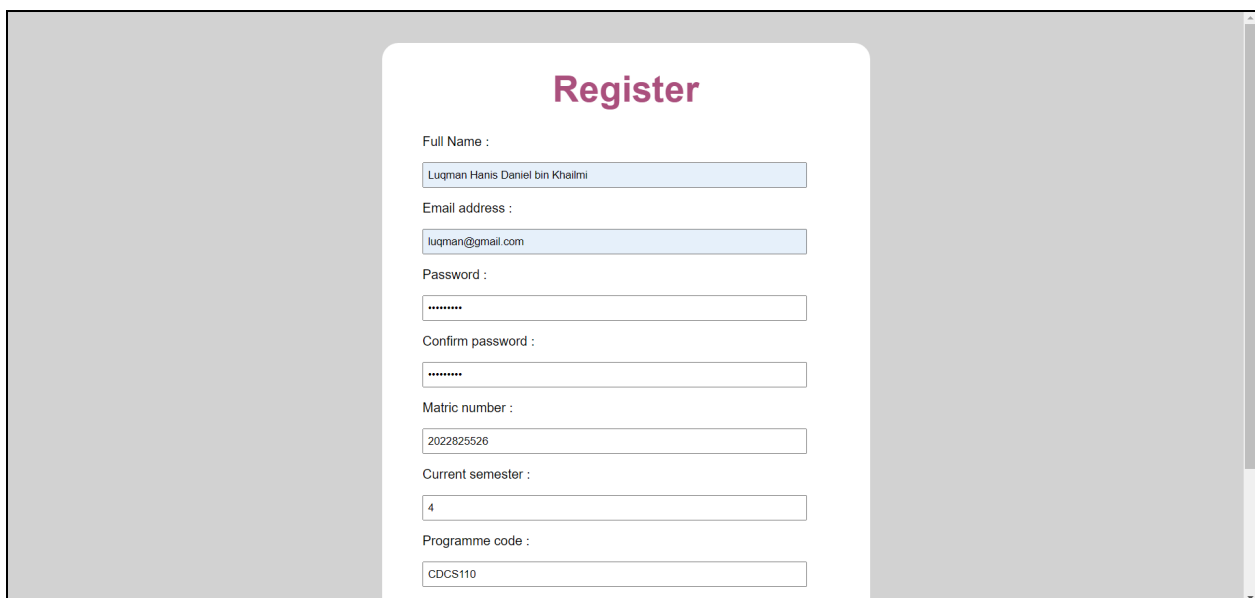
Password :

Log In

Or

Register

Diagram 5.1.1. Login interface



The register interface has a white background with a purple "Register" title. It contains several input fields: "Full Name :" with "Luqman Hanis Daniel bin Khalimi", "Email address :" with "luqman@gmail.com", "Password :" with "*****", "Confirm password :" with "*****", "Matric number :" with "2022825526", "Current semester :" with "4", and "Programme code :" with "CDCS110".

Register

Full Name :
Luqman Hanis Daniel bin Khalimi

Email address :
luqman@gmail.com

Password :

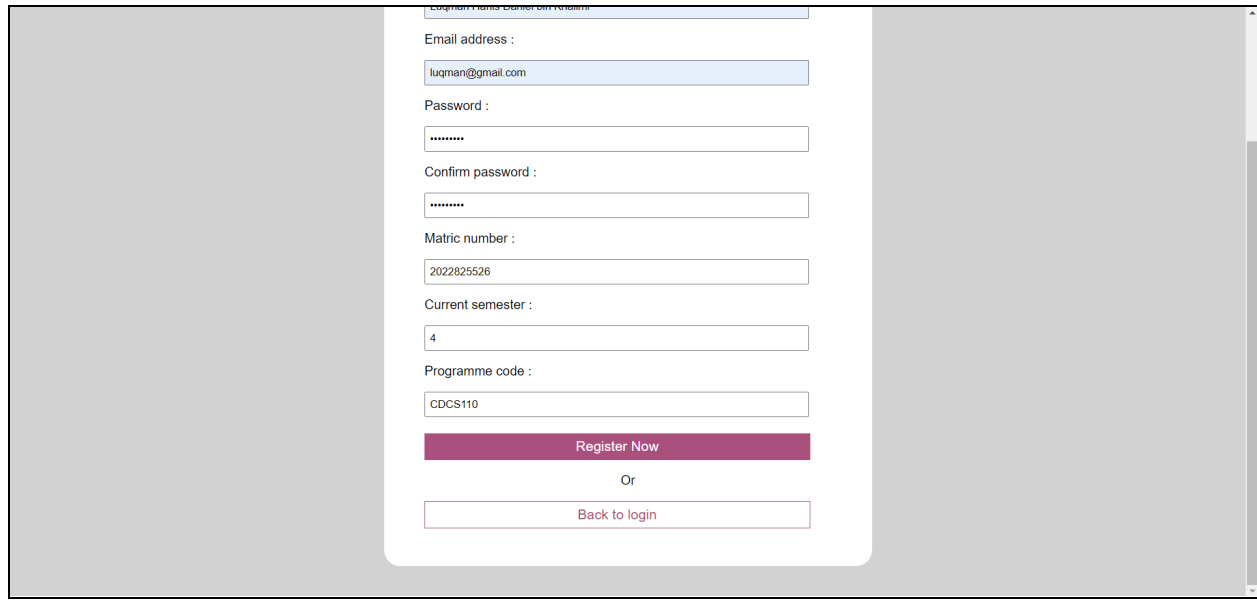
Confirm password :

Matric number :
2022825526

Current semester :
4

Programme code :
CDCS110

Diagram 5.1.2. Student Register interface



Register Form

Email address :

Password :

Confirm password :

Matric number :

Current semester :

Programme code :

[Register Now](#)

Or

[Back to login](#)

Diagram 5.1.3. Input data in register page

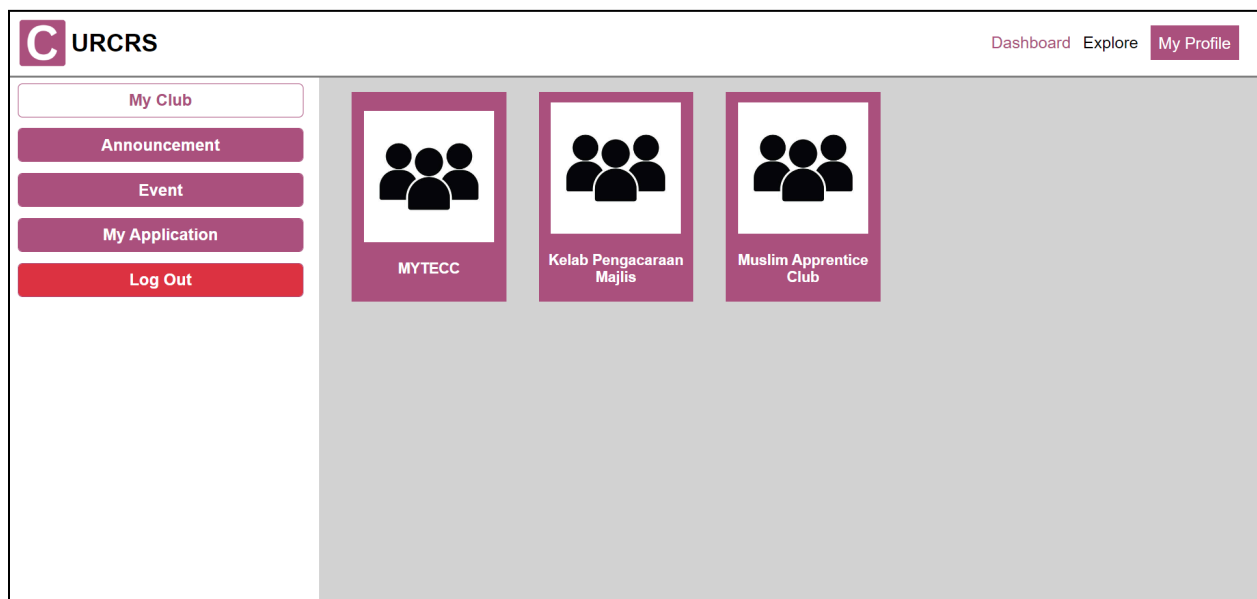


Diagram 5.1.4. Student dashboard interface

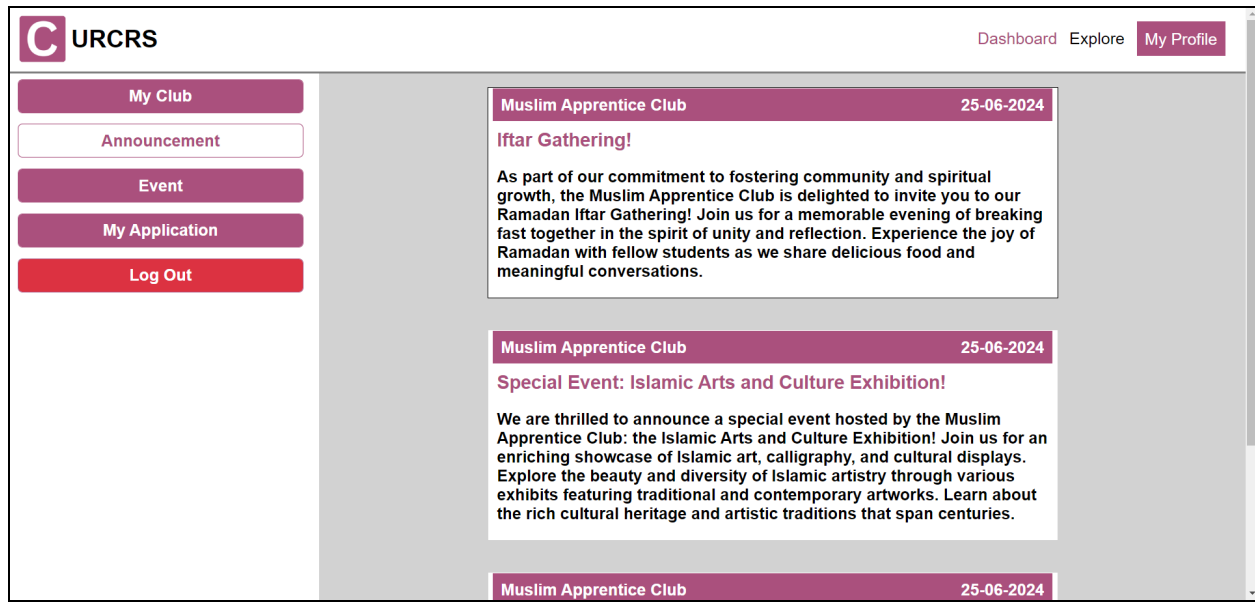


Diagram 5.1.5. Joined clubs announcements

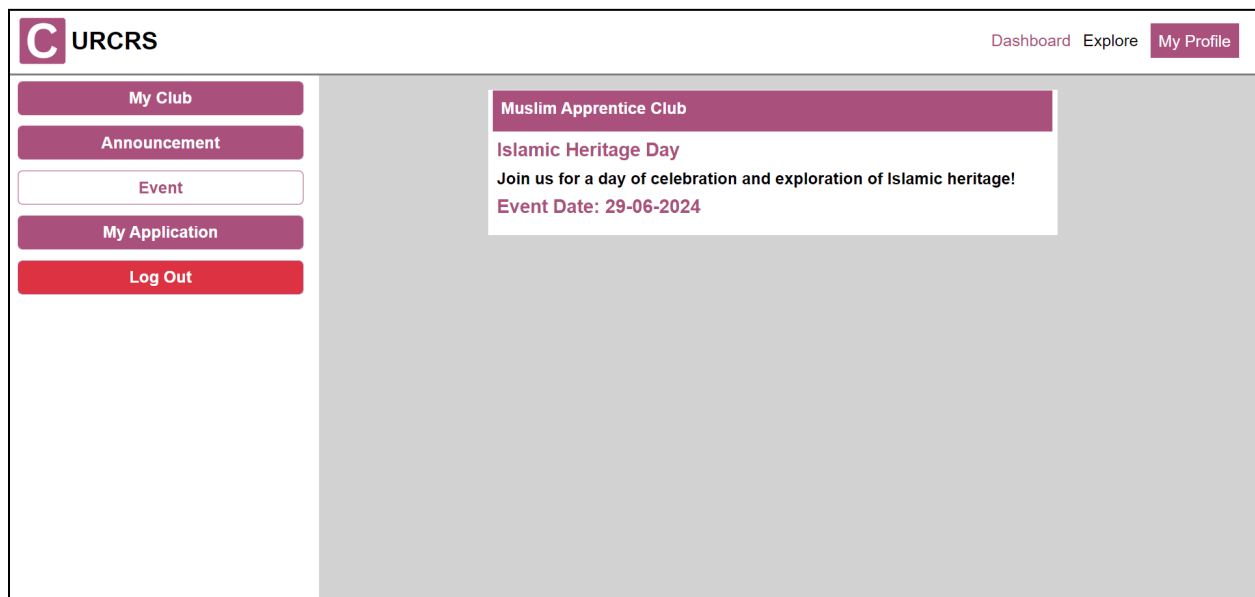


Diagram 5.1.6. Joined clubs events

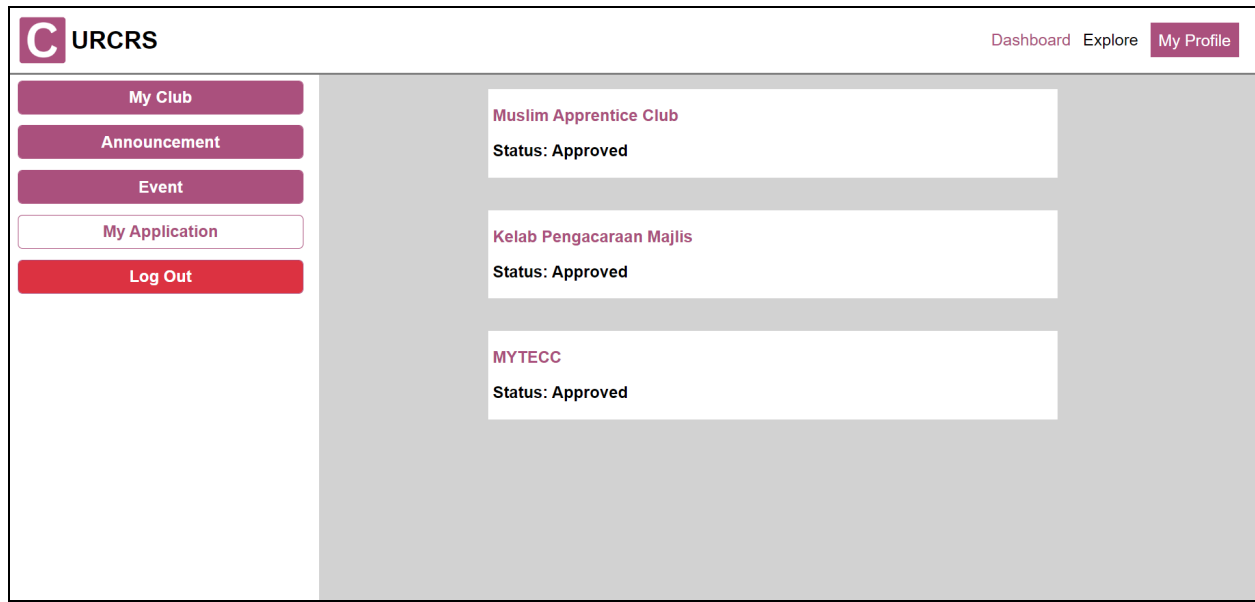


Diagram 5.1.7. List of students application

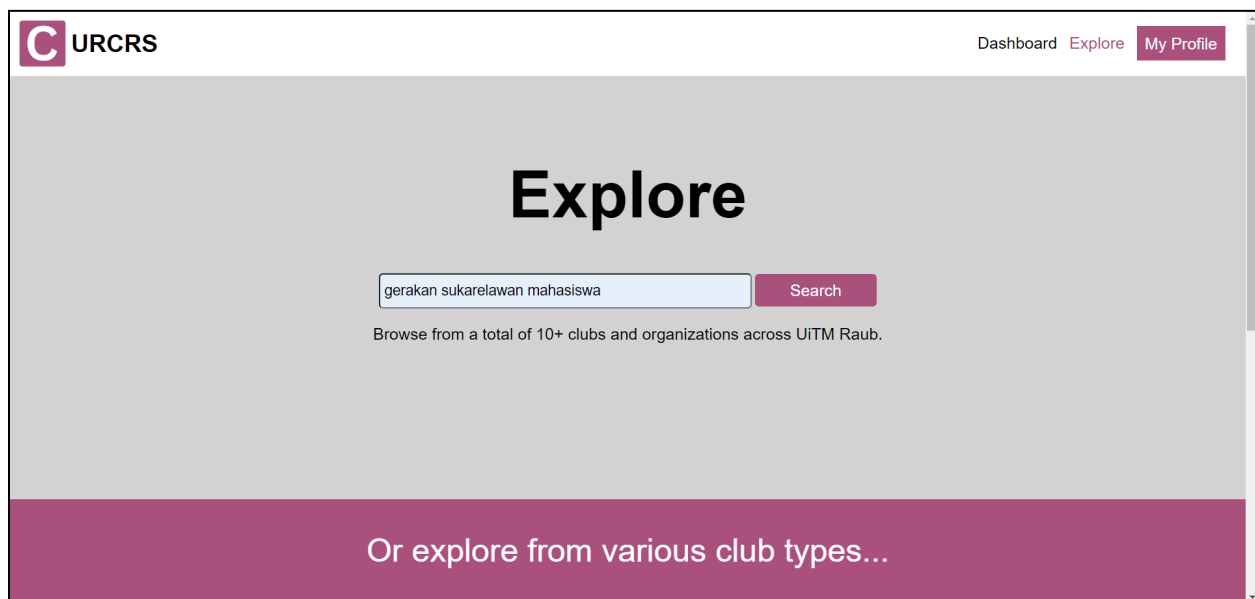


Diagram 5.1.8. Explore page interface

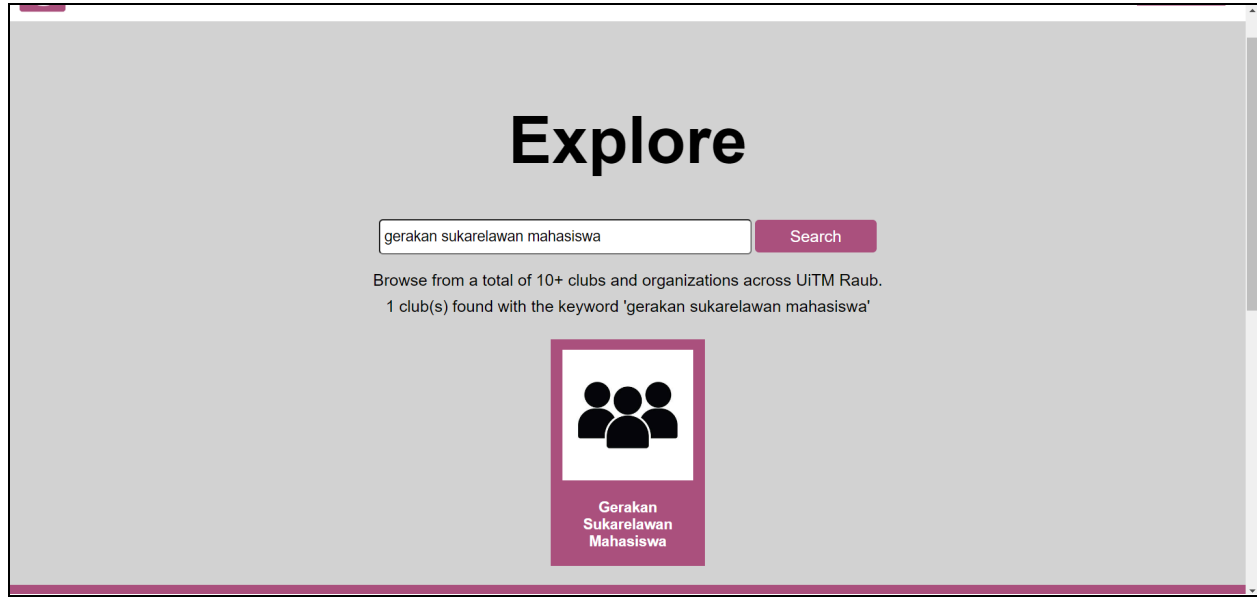


Diagram 5.1.9. Result of club search

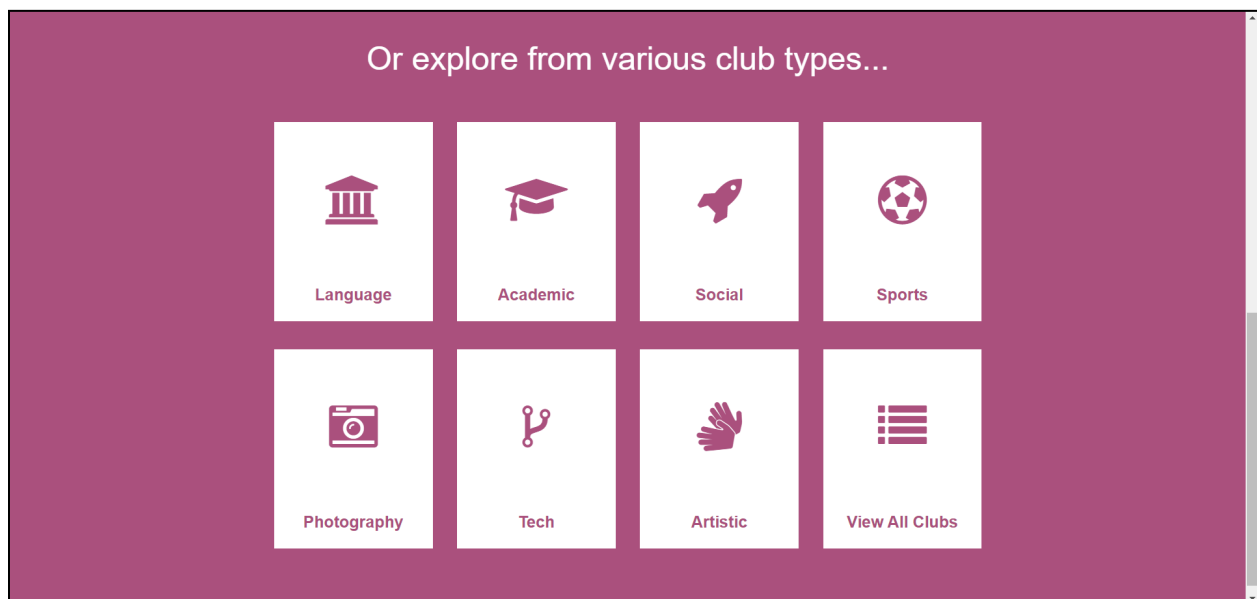


Diagram 5.1.10. Category of existing clubs



Diagram 5.1.11. List of clubs based on category

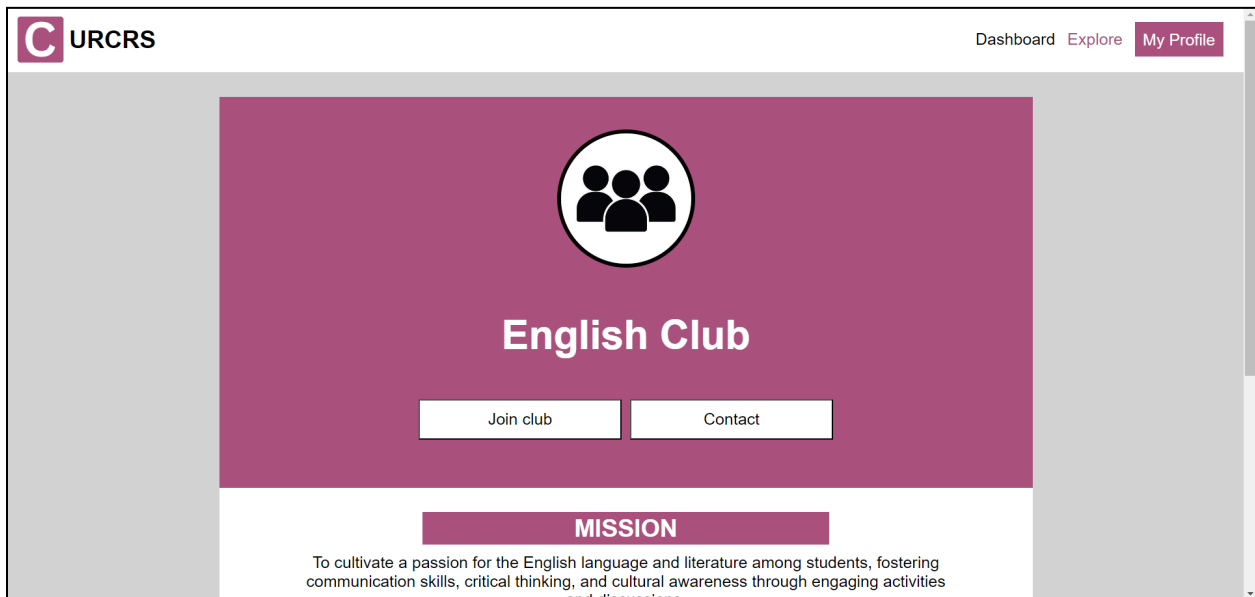


Diagram 5.1.12. Club profile interface

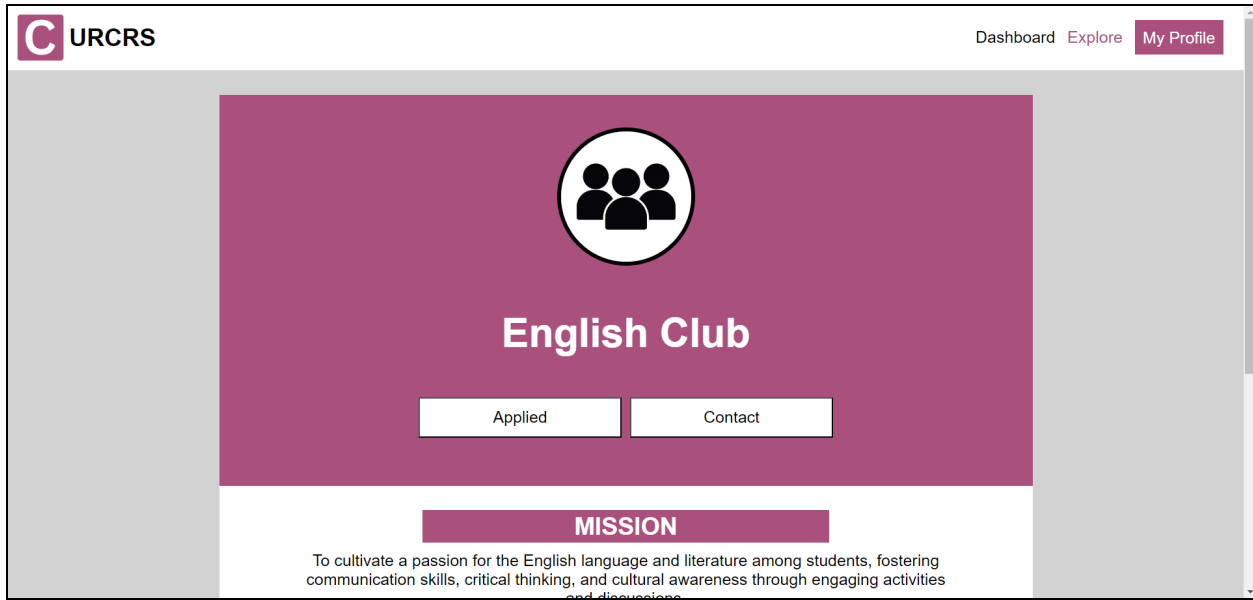


Diagram 5.1.13. Club profile interface after applying

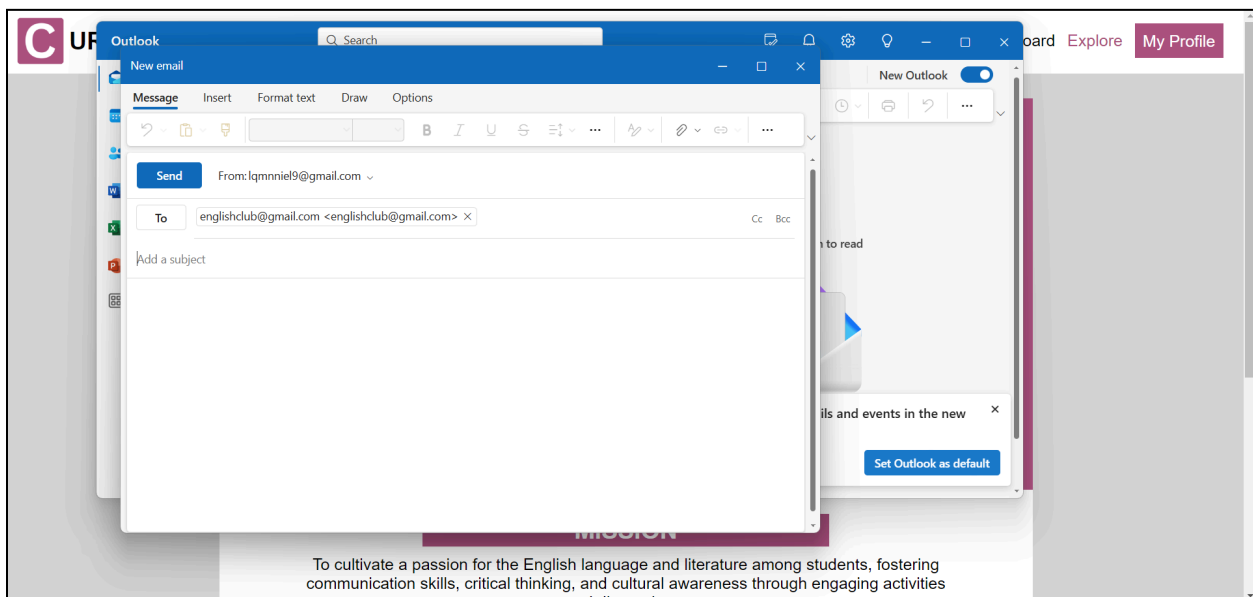


Diagram 5.1.14. Output after clicking 'contact'

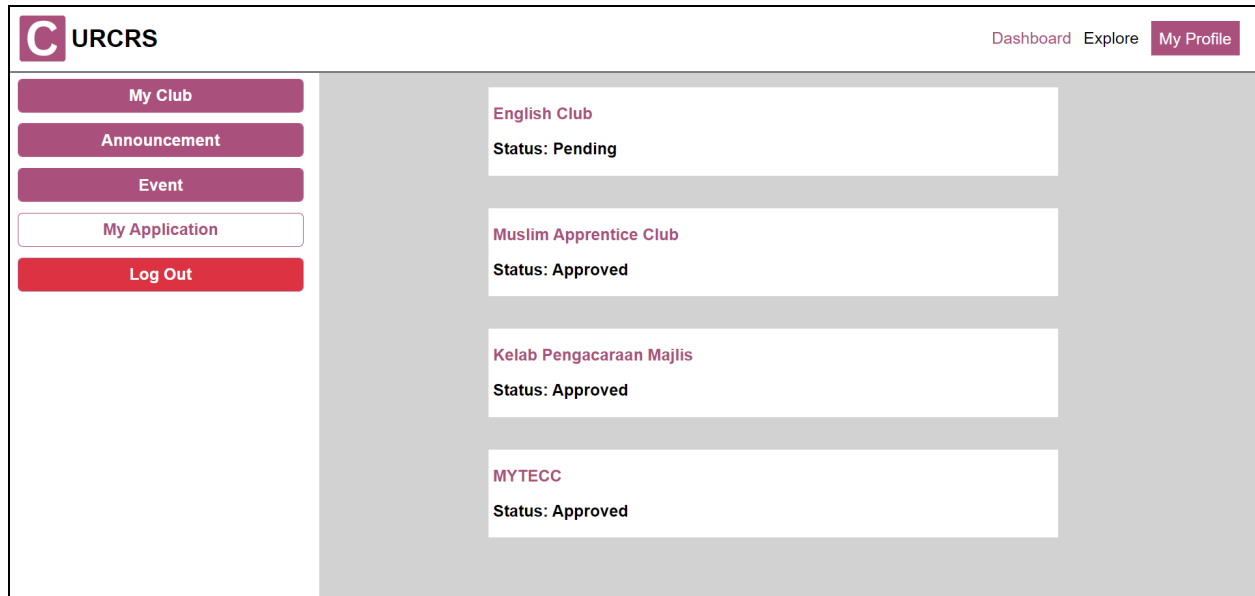


Diagram 5.1.15. Updated student's application list

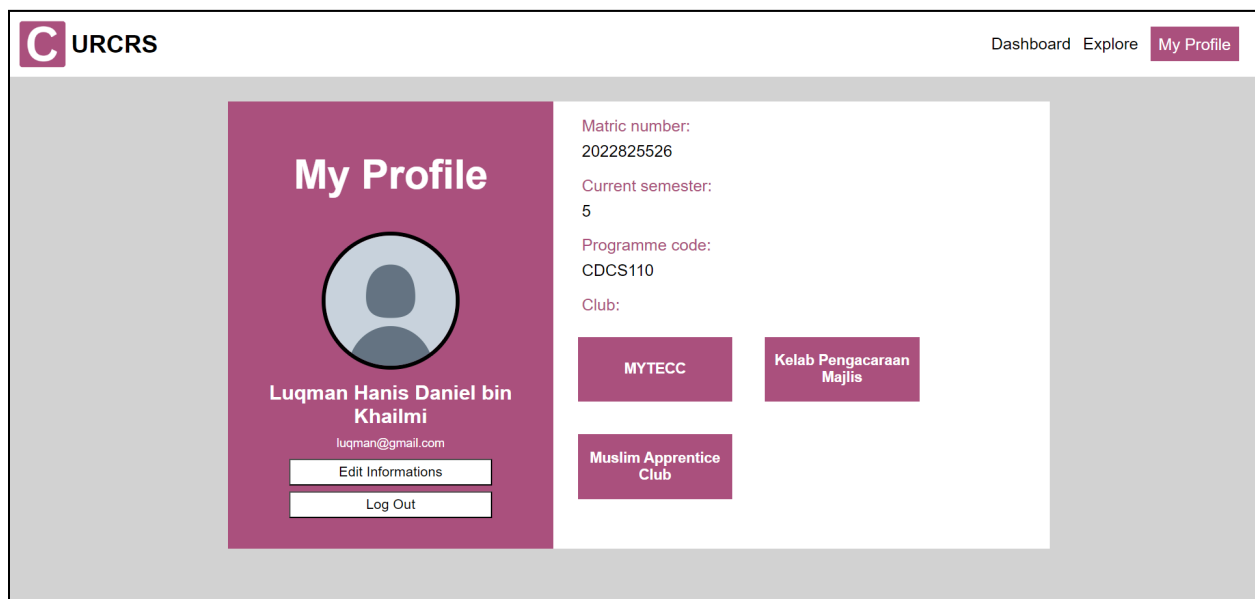


Diagram 5.1.16. Student profile interface

EDIT PROFILE DETAILS Close x

Current name:
Luqman Hanis Daniel bin Khailmi

New name:

Current matric number:
2022825526

New matric number:

Current semester:
5

New semester:

Diagram 5.1.17. Edit profile

2022825526

New matric number:

Current semester:
5

New semester:

Current programme code:
CDCS110

New programme code:

Diagram 5.1.18. Filling info in edit interface

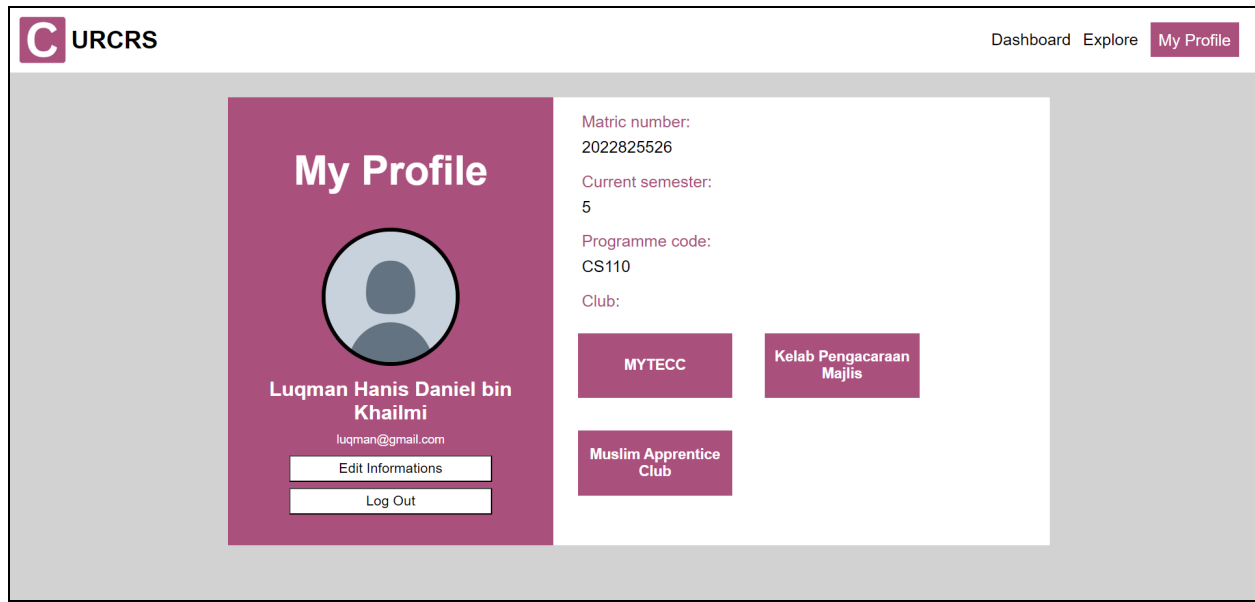


Diagram 5.1.19. Updated student's profile

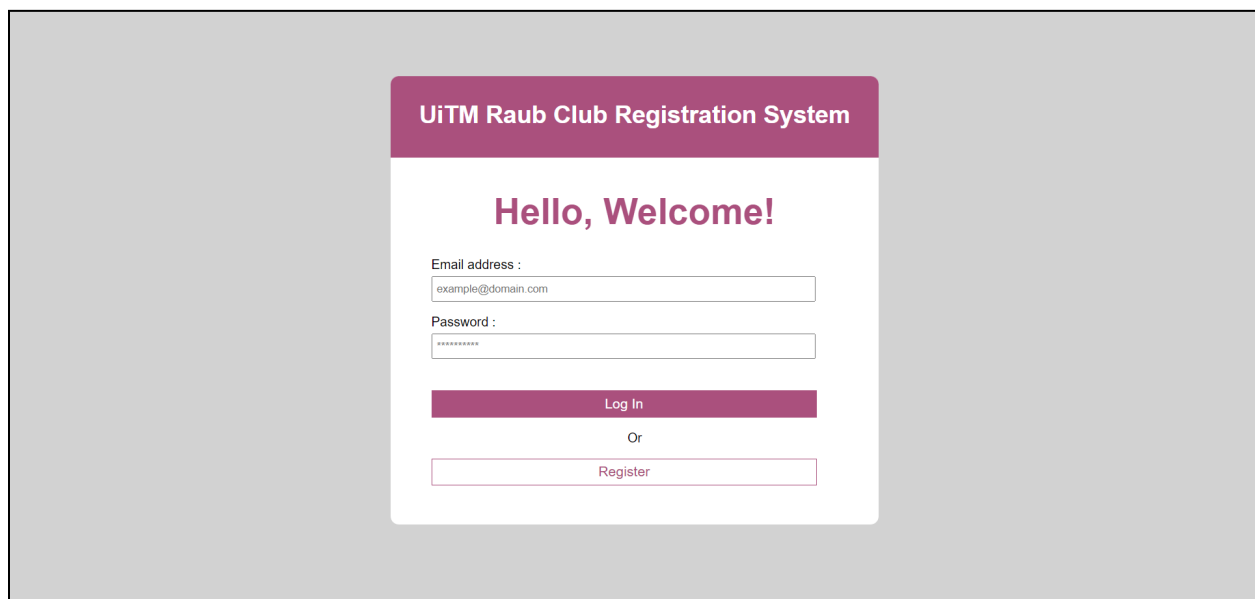
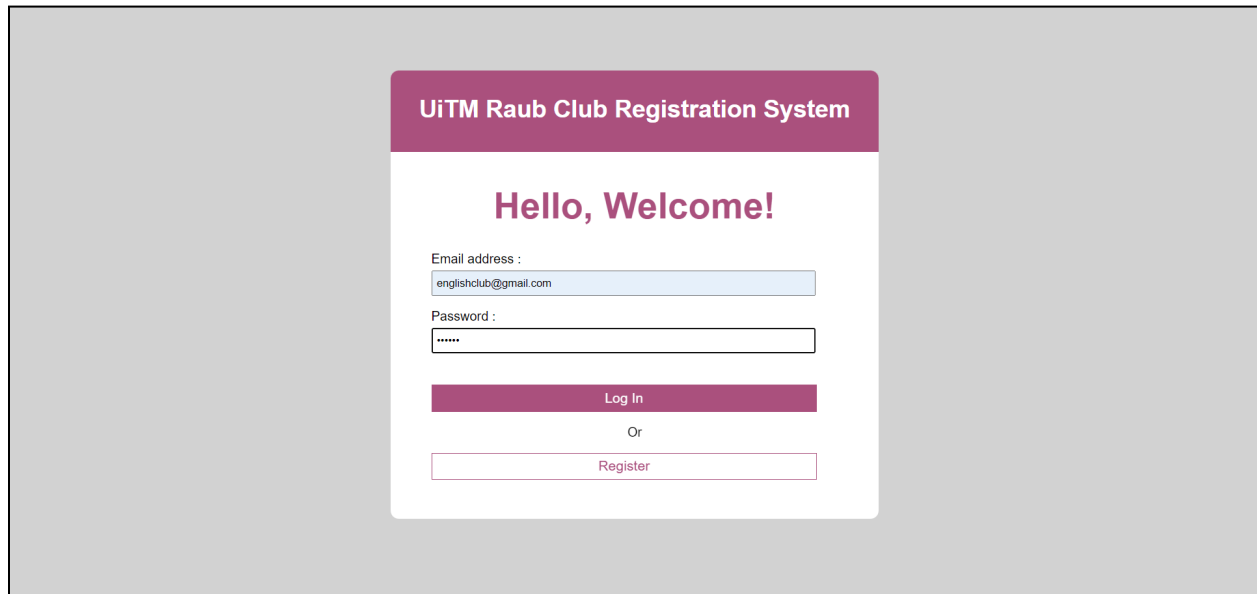


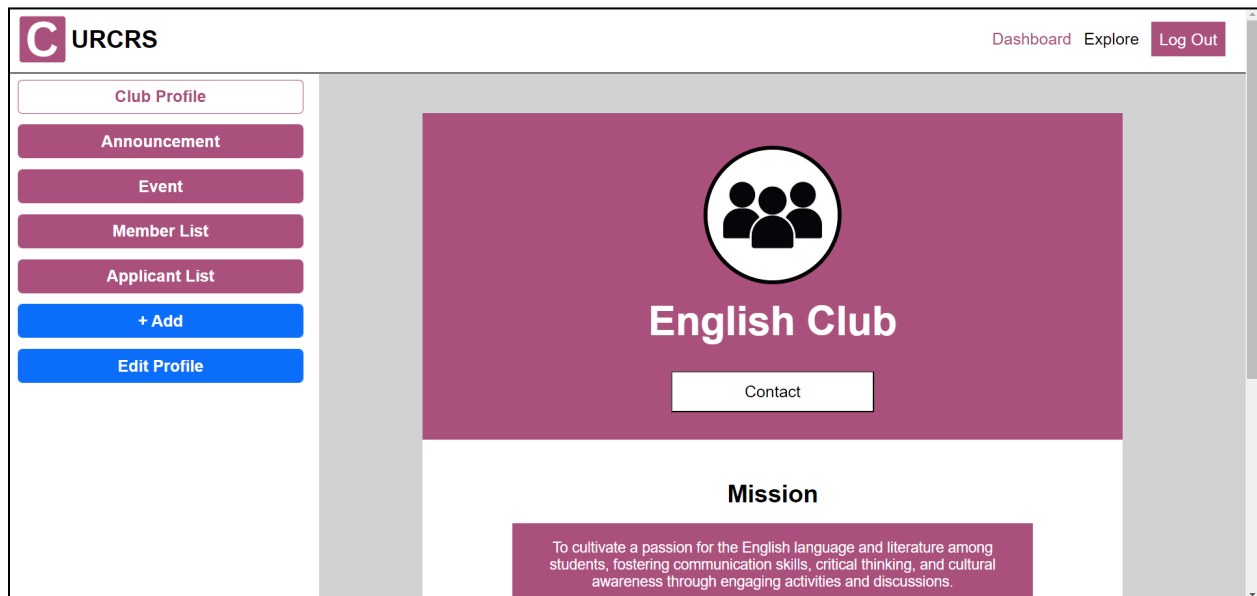
Diagram 5.1.20. Logout output

5.2 Club Admin Interface



The login interface for the UiTM Raub Club Registration System. It features a central white card on a grey background. The card has a purple header with the text "UiTM Raub Club Registration System". Below the header, it says "Hello, Welcome!". There are two input fields: "Email address :" with the value "englishclub@gmail.com" and "Password :" with masked characters "*****". Below the password field is a purple "Log In" button. Underneath the button is the text "Or" and a white "Register" button with a purple border.

Diagram 5.2.1. Login interface



The club admin interface for the English Club. It has a white header with the "URCRS" logo on the left and "Dashboard Explore Log Out" on the right. A left sidebar contains a list of menu items: "Club Profile", "Announcement", "Event", "Member List", "Applicant List", "+ Add", and "Edit Profile". The main content area has a purple header with a group icon and the text "English Club". Below this is a white "Contact" button. Further down, there is a "Mission" section with a purple box containing the text: "To cultivate a passion for the English language and literature among students, fostering communication skills, critical thinking, and cultural awareness through engaging activities and discussions."

Diagram 5.2.2. Club admin interface

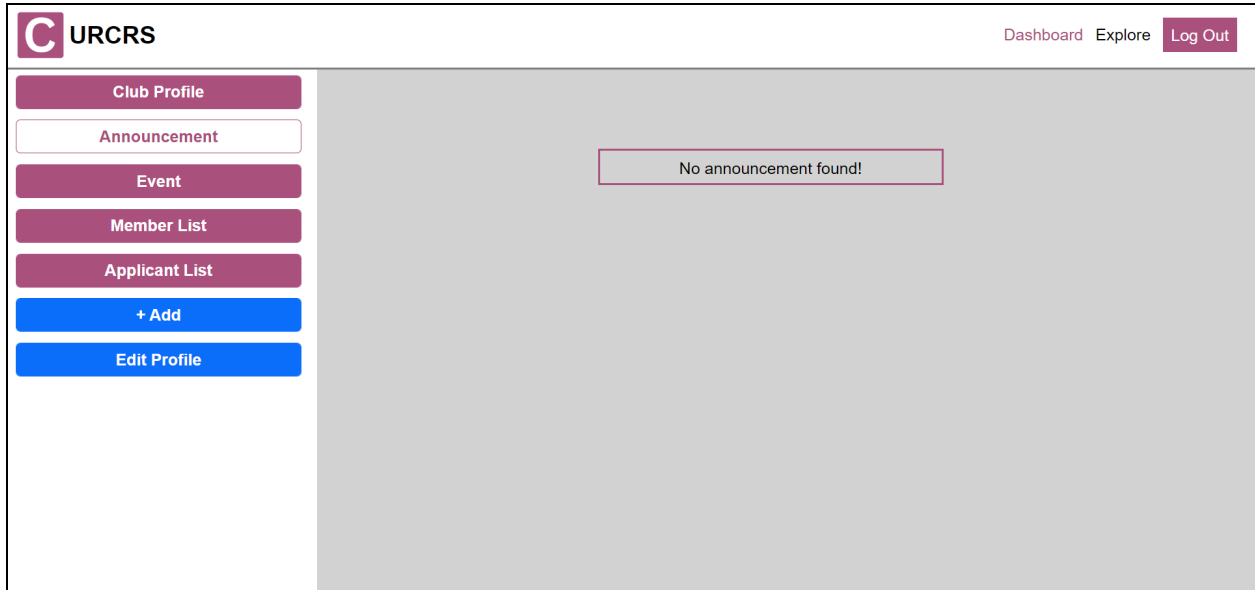


Diagram 5.2.3. List of announcements



Diagram 5.2.4. List of events

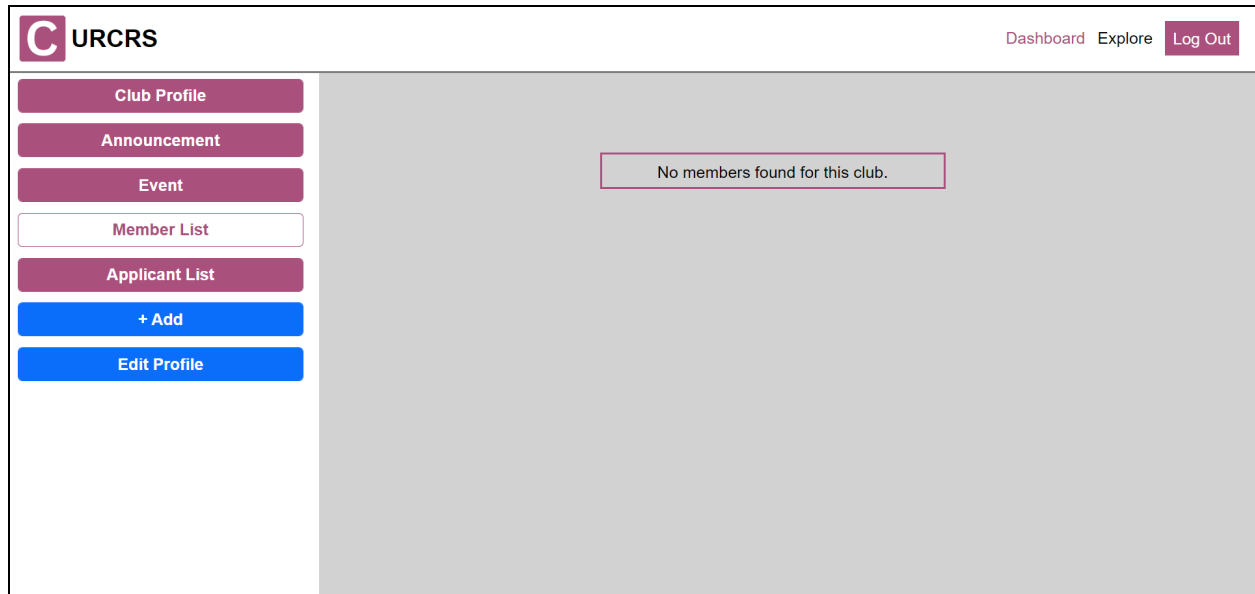


Diagram 5.2.5. List of club members

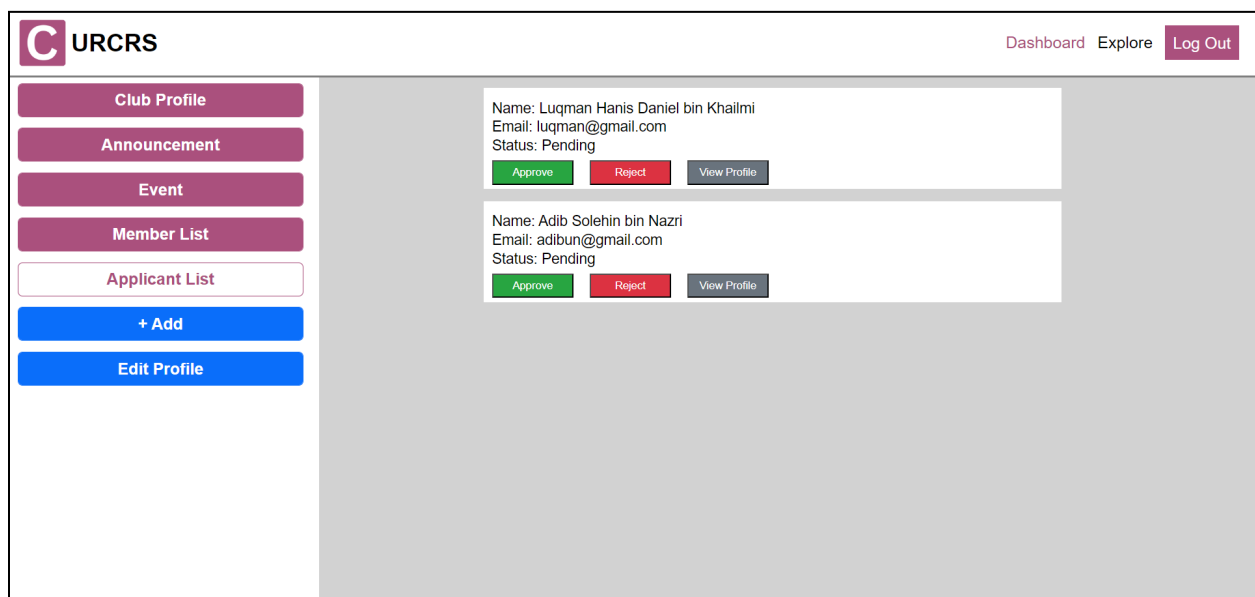


Diagram 5.2.6. List of applicants

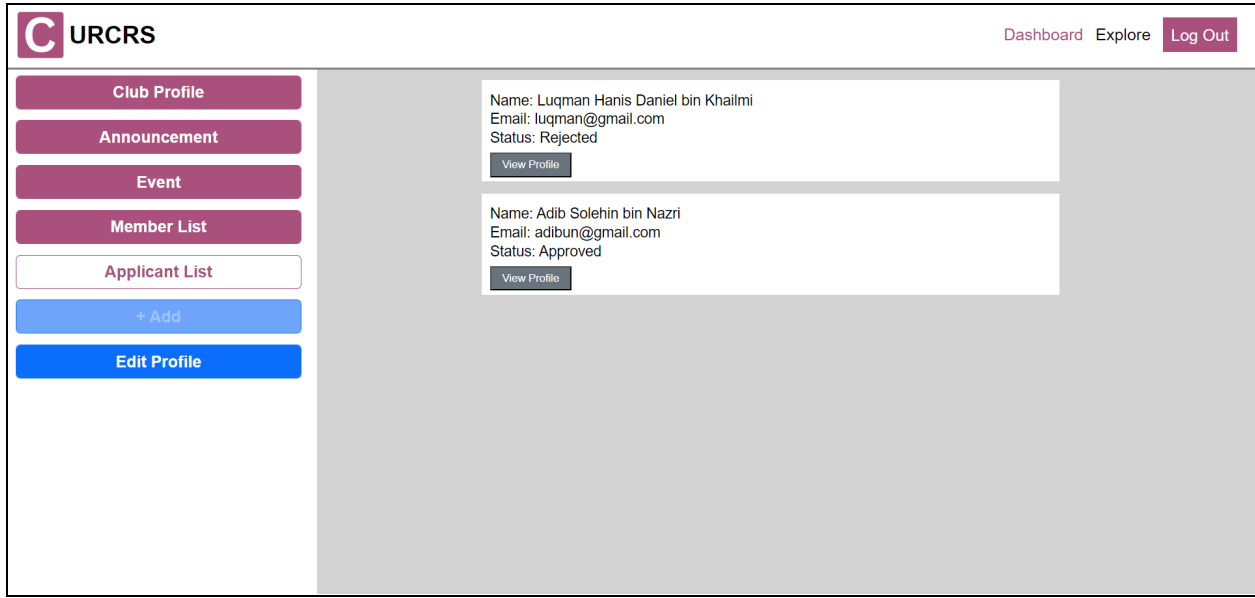


Diagram 5.2.7. Updated applicant list

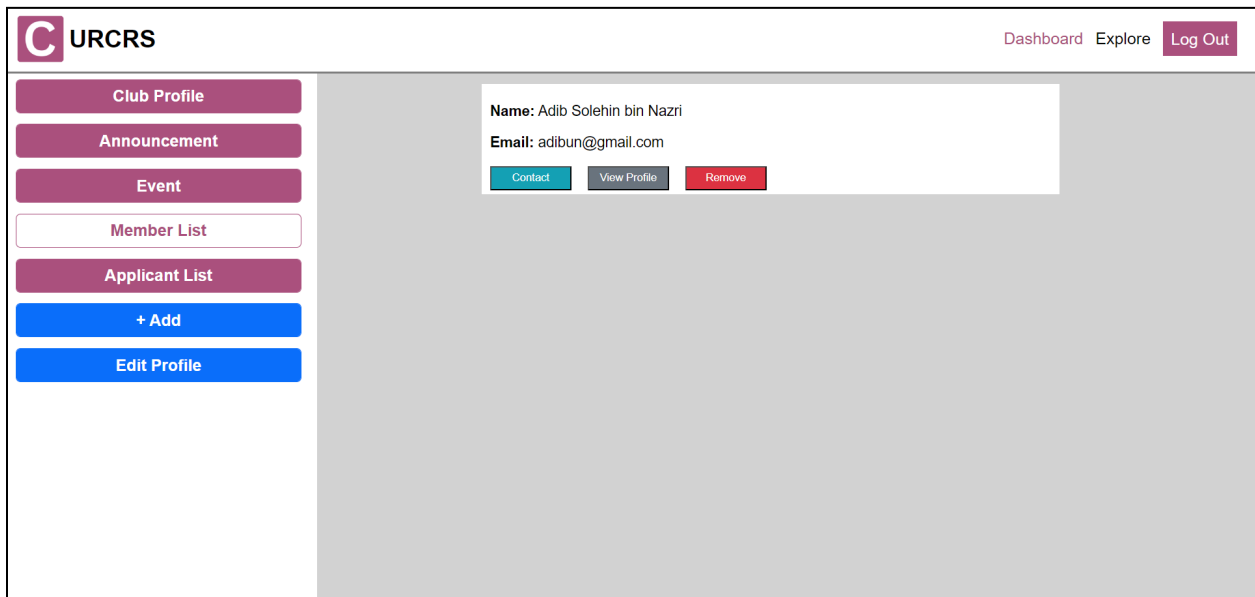


Diagram 5.2.8. Updated club member list

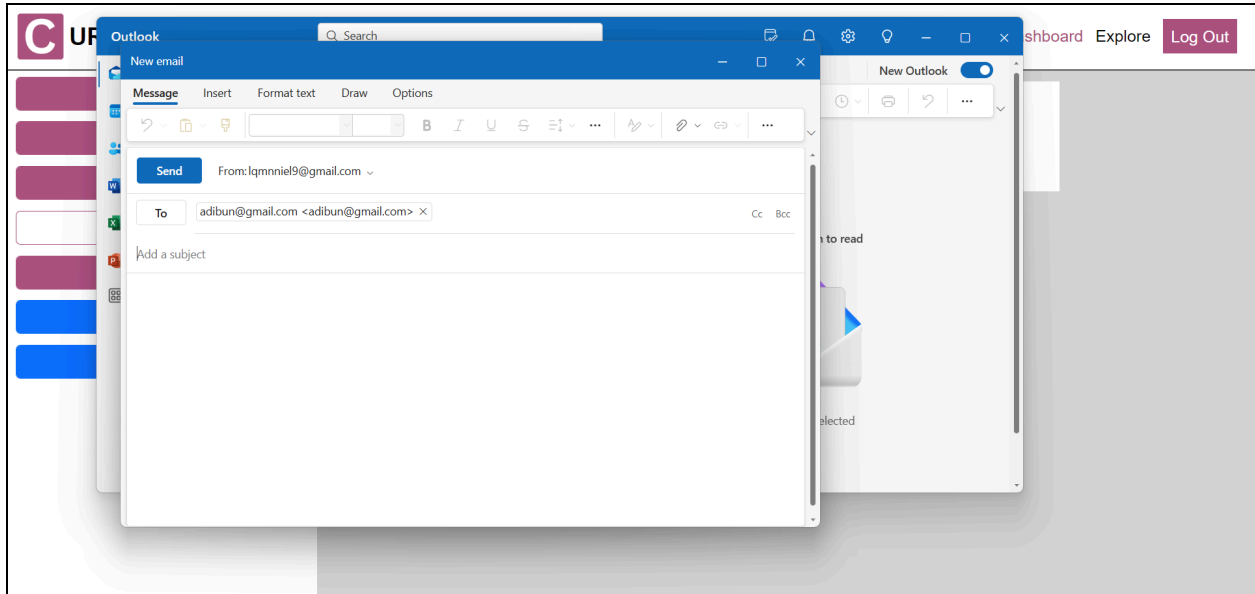


Diagram 5.2.9. Output after clicking 'contact'

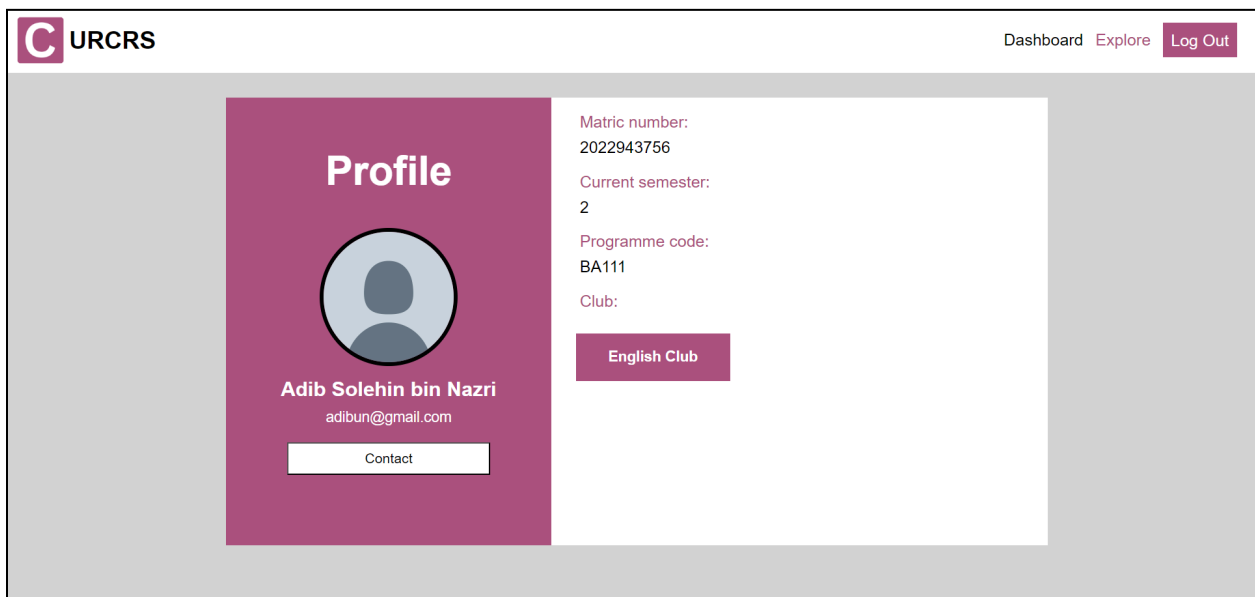


Diagram 5.2.10. View student information

C

URCRS

DashboardExploreLog Out

Club Profile

Announcement

Event

Member List

Applicant List

+ Add

Edit Profile

+ ADD

Close x

Choose Type:
☒ Announcement
☐ Event

Announcement Title :

Description :

Submit

Diagram 5.2.11. Add new announcement

C

URCRS

DashboardExploreLog Out

Club Profile

Announcement

Event

Member List

Applicant List

+ Add

Edit Profile

New announcement!

This is an example.

03-07-2024

Diagram 5.2.12. Updated announcement list

C

URCRS

DashboardExploreLog Out

Club Profile

Announcement

Event

Member List

Applicant List

+ Add

Edit Profile

+ ADD

Close x

Choose Type:
☐ Announcement
☒ Event

Event Title :

Description :

Date:

Submit

Diagram 5.2.13. Add new event

C

URCRS

DashboardExploreLog Out

Club Profile

Announcement

Event

Member List

Applicant List

+ Add

Edit Profile

Meeting

Weekly meeting

Event Date: 05-07-2024

Diagram 5.2.14. Updated event list

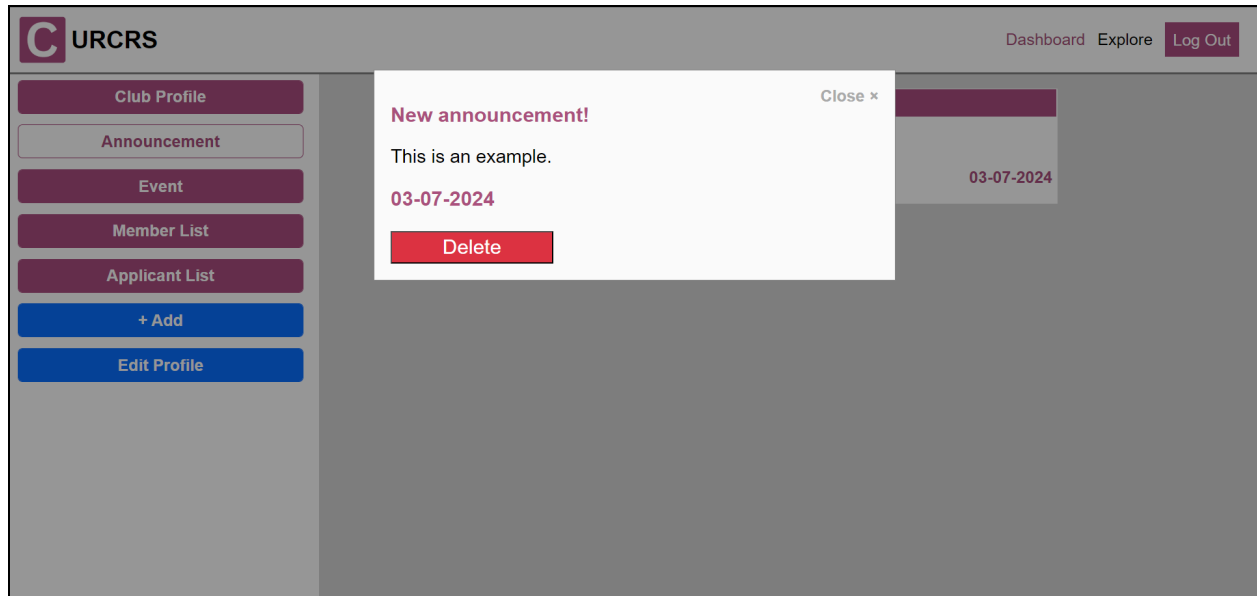


Diagram 5.2.15. Delete announcement

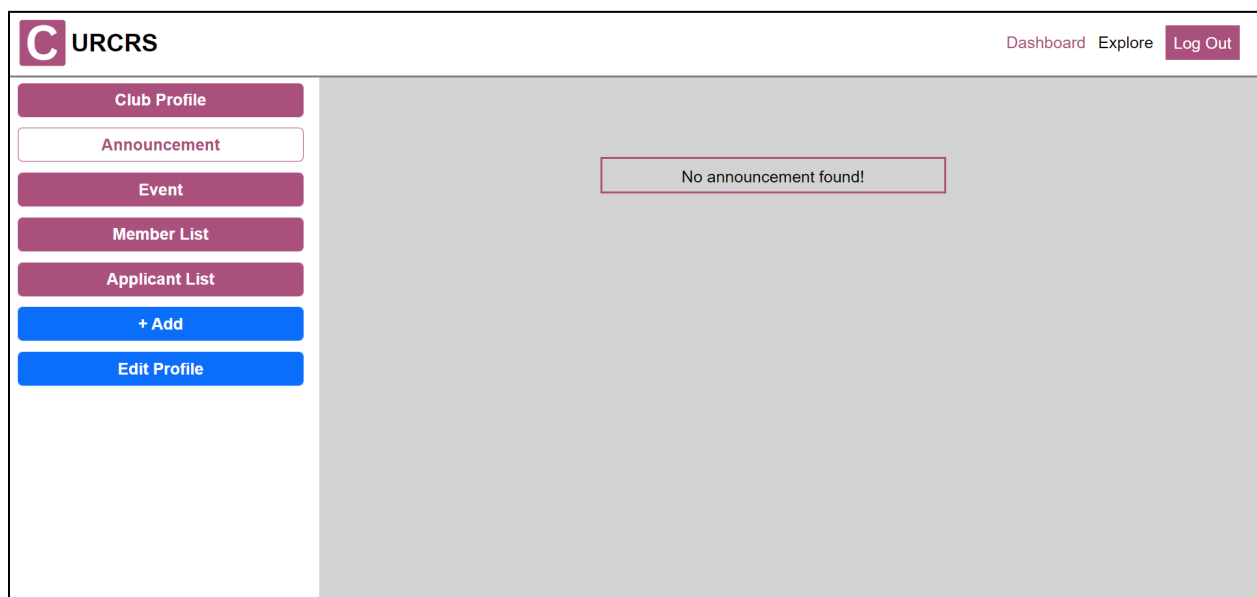


Diagram 5.2.16. Updated announcement list

URCRS Dashboard Explore Log Out

Club Profile Announcement Event Member List Applicant List + Add Edit Profile

EDIT CLUB DETAILS Close x

Current Mission:
To cultivate a passion for the English language and literature among students, fostering communication skills, critical thinking, and cultural awareness through engaging activities and discussions.

New Mission:

Current Vision:
To be a dynamic club that inspires fluency and creativity in English language usage, empowering members to excel in academic, professional, and personal endeavors.

New Vision:

Current Email:

Diagram 5.2.17. Edit club profile

URCRS Dashboard Explore Log Out

Club Profile Announcement Event Member List Applicant List + Add Edit Profile

To be a dynamic club that inspires fluency and creativity in English language usage, empowering members to excel in academic, professional, and personal endeavors.

New Vision:

Current Email:
englishclub@gmail.com

New Email:

Current Phone:
01185743645

New Phone:

Submit

Diagram 5.2.18. Filled informations to edit club

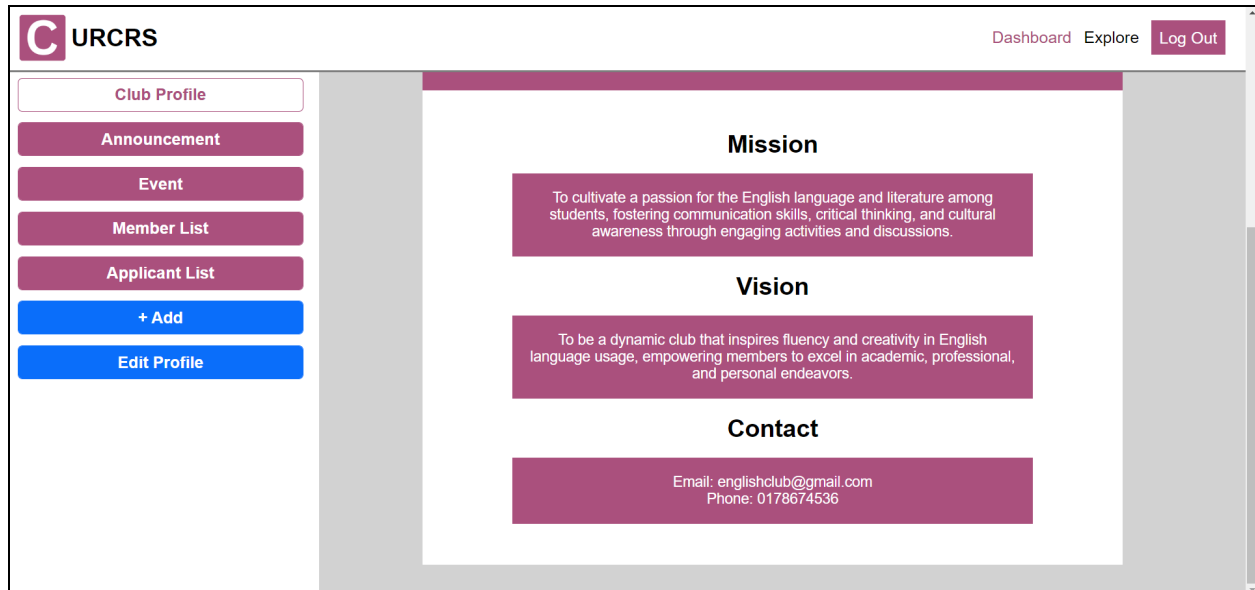


Diagram 5.2.19. Updated club profile

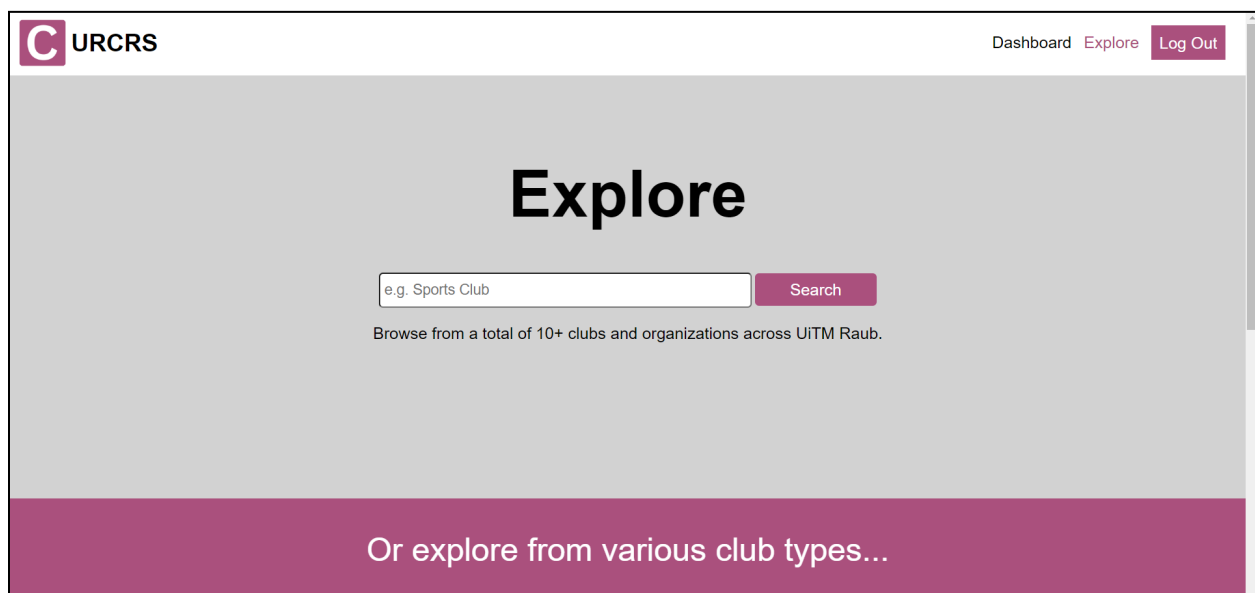


Diagram 5.2.20. Club admin explore interface

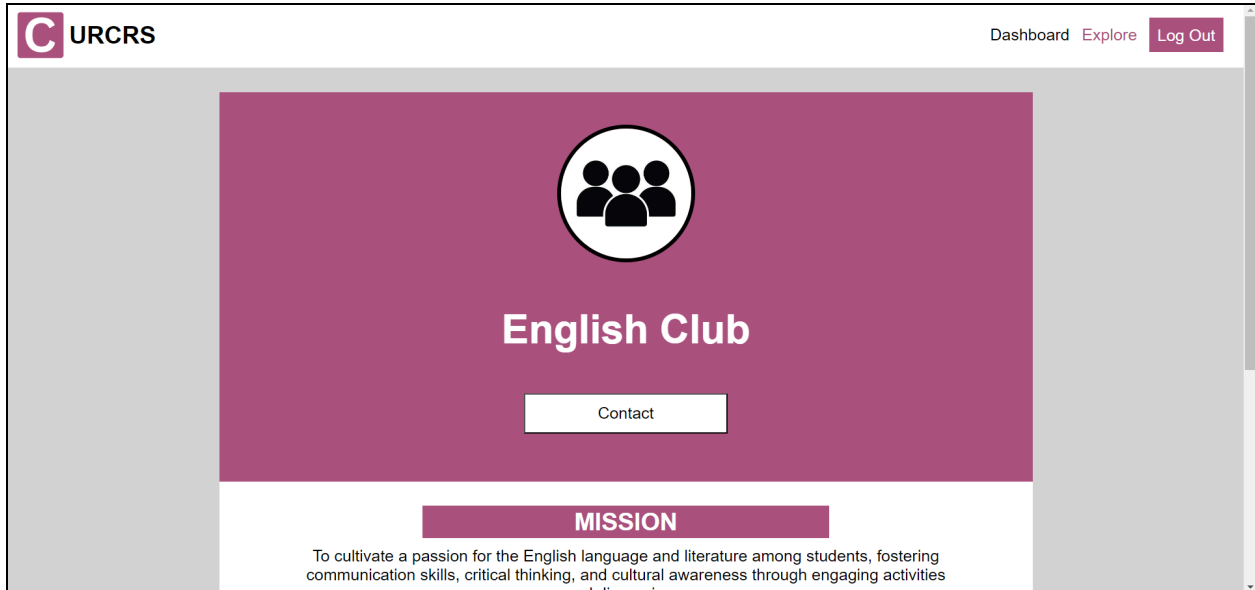


Diagram 5.2.21. Club admin viewing club profile interface

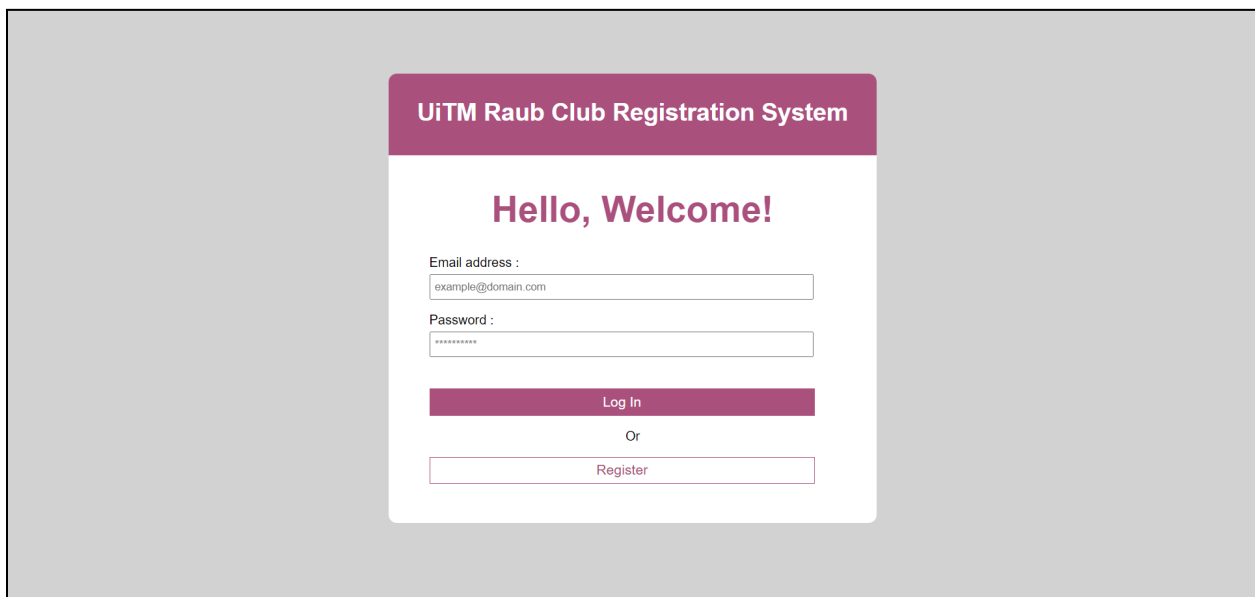
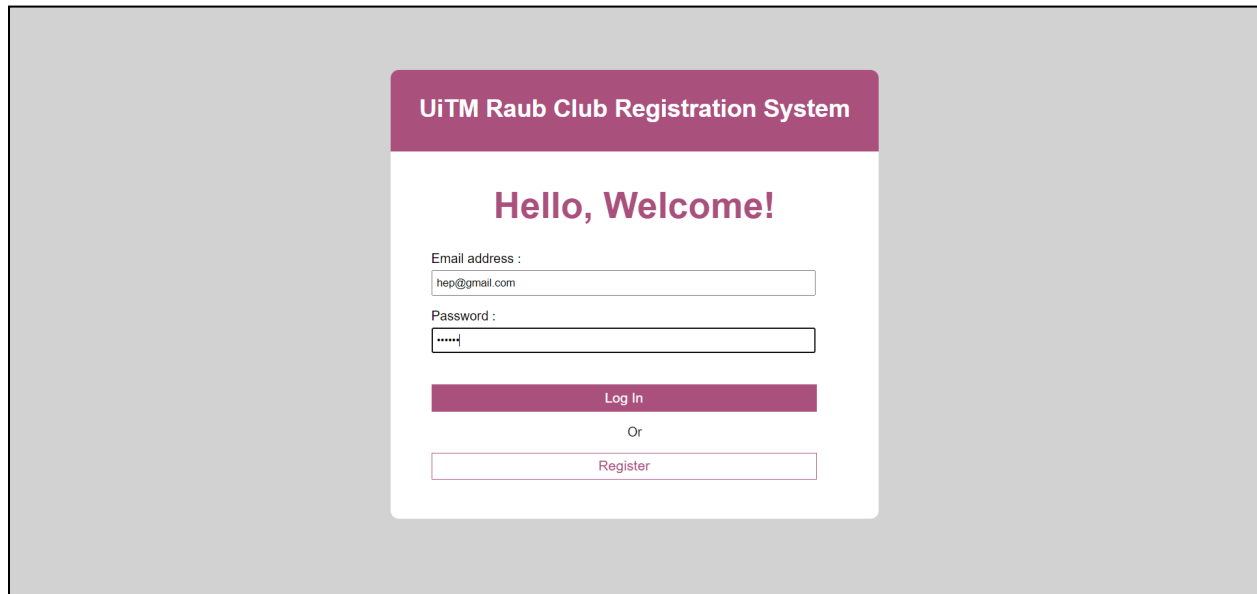


Diagram 5.2.22. Log Out output

5.3 Student Affairs Interface



The login interface for the UiTM Raub Club Registration System. It features a purple header with the system name. Below the header, a white box contains a welcome message 'Hello, Welcome!'. The login form includes fields for 'Email address :' (with the example 'hep@gmail.com') and 'Password :'. Below the password field is a purple 'Log In' button. An 'Or' separator is followed by a white 'Register' button.

UiTM Raub Club Registration System

Hello, Welcome!

Email address :
hep@gmail.com

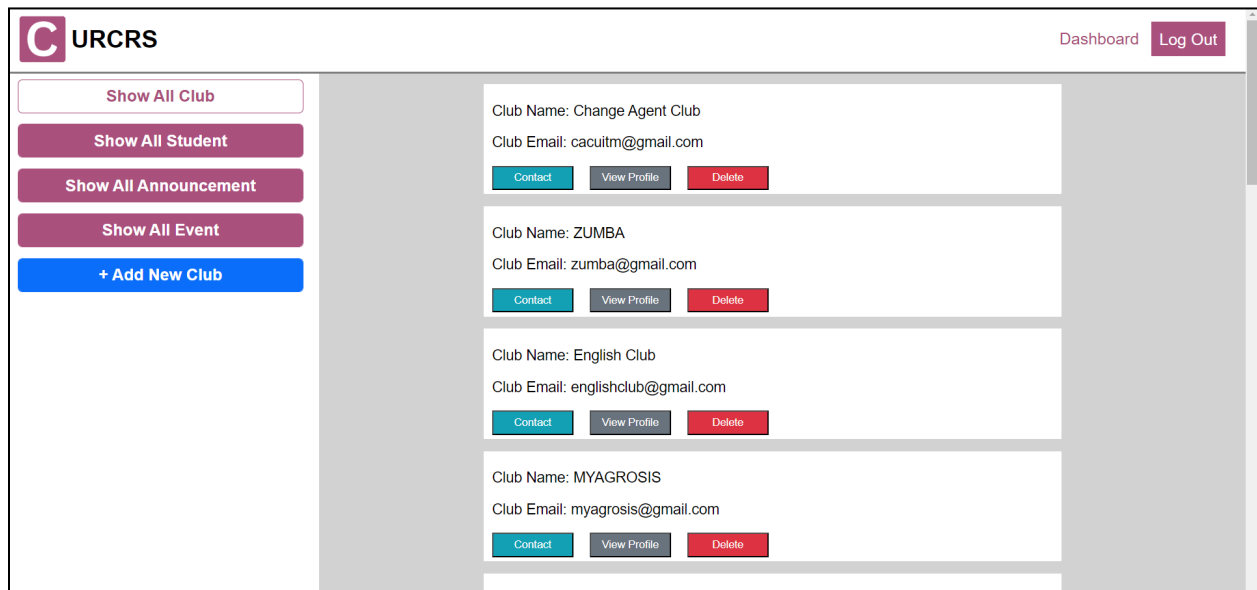
Password :
.....

Log In

Or

Register

Diagram 5.3.1. Login interface



The 'All club list' interface for URCRS. It has a purple header with the URCRS logo and 'Dashboard' and 'Log Out' links. A left sidebar contains navigation buttons: 'Show All Club', 'Show All Student', 'Show All Announcement', 'Show All Event', and '+ Add New Club'. The main content area displays a list of clubs with their names and emails, and buttons for 'Contact', 'View Profile', and 'Delete'.

URCRS

Dashboard Log Out

Show All Club

Show All Student

Show All Announcement

Show All Event

+ Add New Club

Club Name: Change Agent Club Club Email: cacuitm@gmail.com	Contact	View Profile	Delete
Club Name: ZUMBA Club Email: zumba@gmail.com	Contact	View Profile	Delete
Club Name: English Club Club Email: englishclub@gmail.com	Contact	View Profile	Delete
Club Name: MYAGROSIS Club Email: myagrosis@gmail.com	Contact	View Profile	Delete

Diagram 5.3.2. All club list

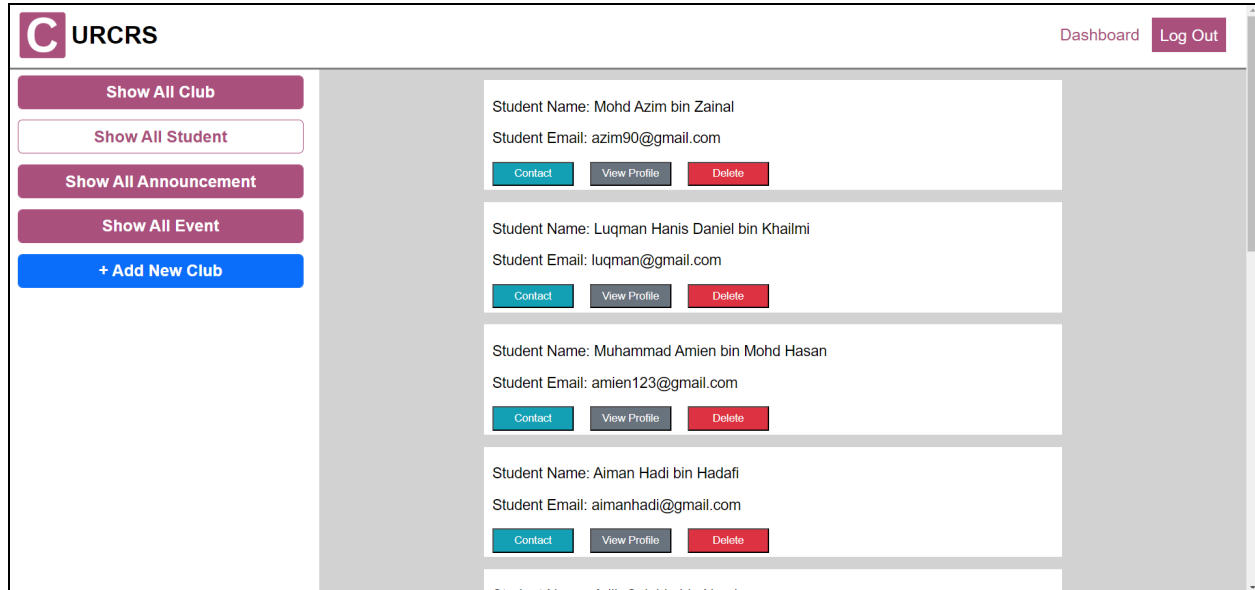


Diagram 5.3.3. All student list

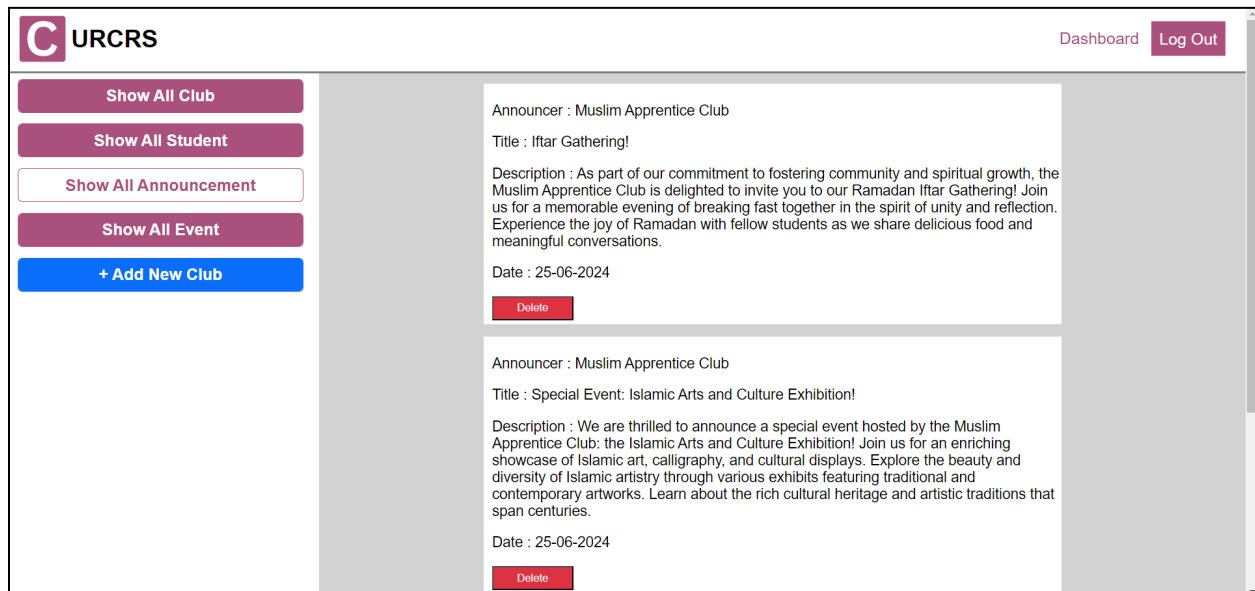


Diagram 5.3.4. All announcement list

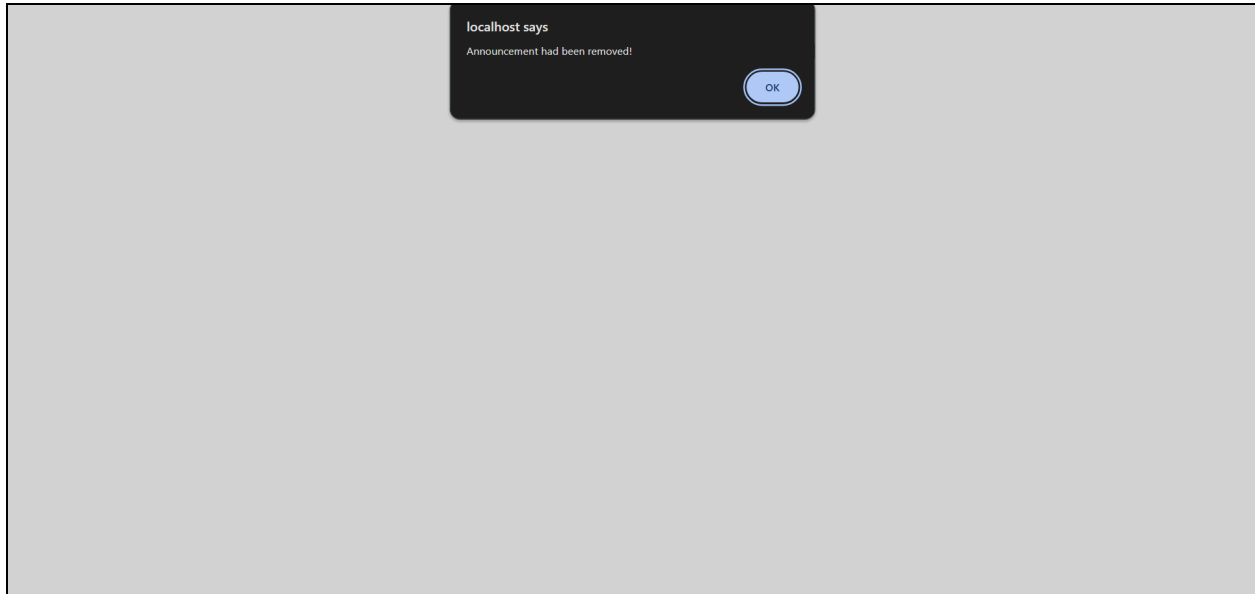


Diagram 5.3.5. Output if delete announcement

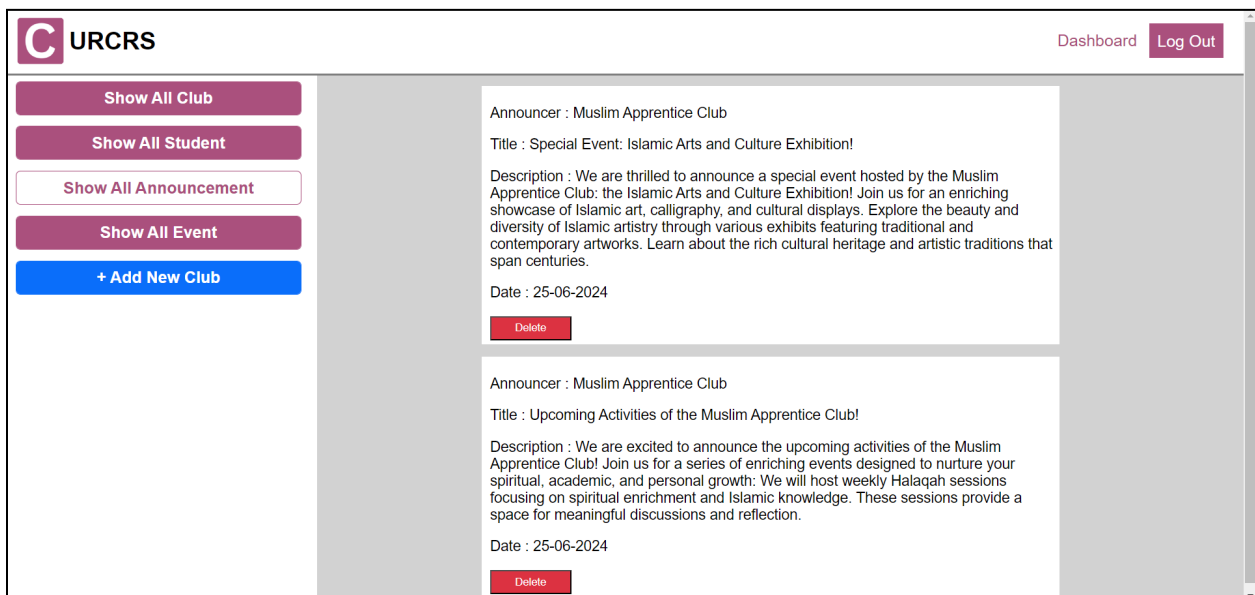


Diagram 5.3.6. Updated announcement list

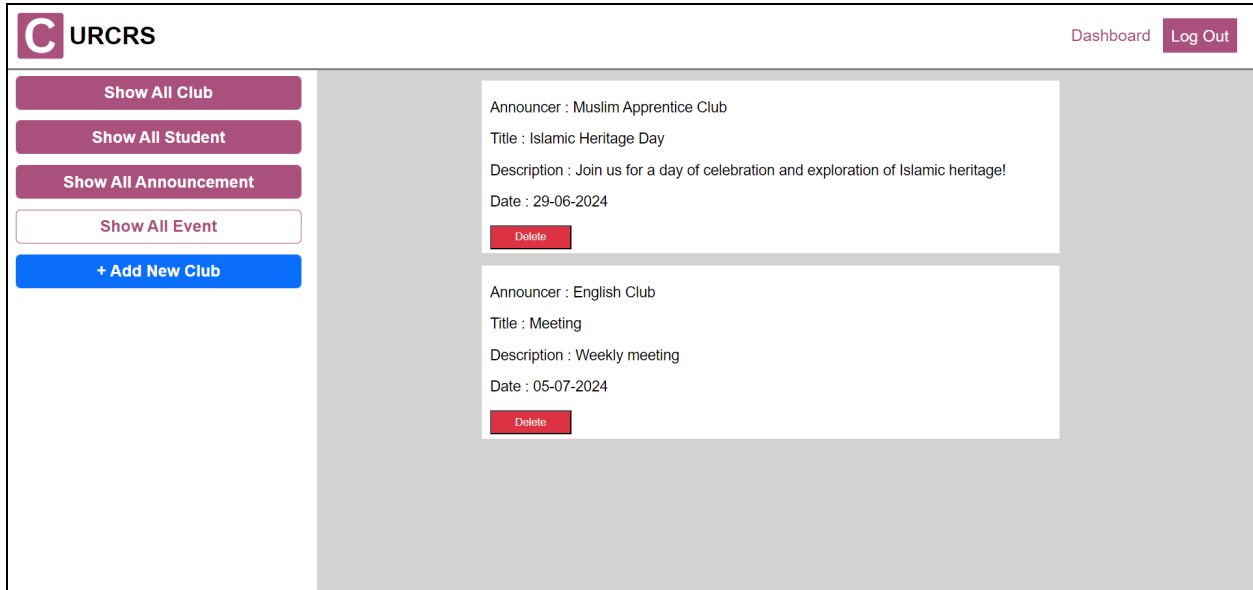


Diagram 5.3.7. All event list

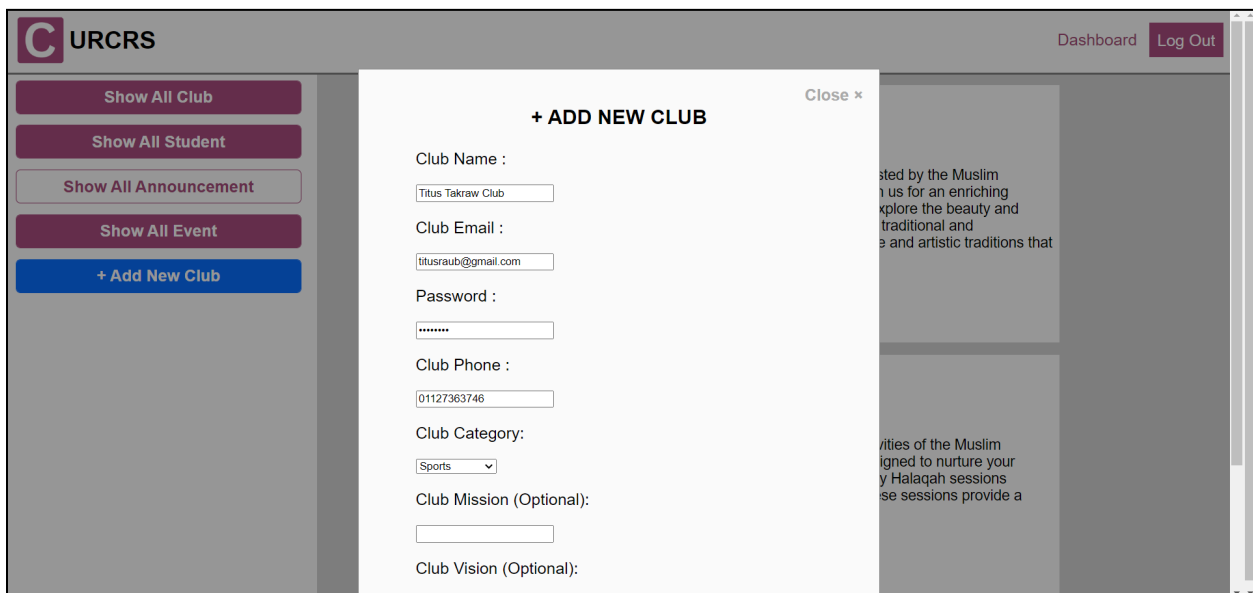


Diagram 5.3.8. Add new club

URCRS Dashboard [Log Out](#)

[Show All Club](#)
[Show All Student](#)
[Show All Announcement](#)
[Show All Event](#)
[+ Add New Club](#)

Club Name:

Club Email :

Password :

Club Phone :

Club Category:

Club Mission (Optional):

Club Vision (Optional):

[Submit](#)

Date : 25-06-2024

[Delete](#)

Diagram 5.3.9. Filled informations to add club

URCRS Dashboard [Log Out](#)

[Show All Club](#)
[Show All Student](#)
[Show All Announcement](#)
[Show All Event](#)
[+ Add New Club](#)

Club Name: Titus Takraw Club Club Email: titusraub@gmail.com	Contact	View Profile	Delete
Club Name: Change Agent Club Club Email: cacultm@gmail.com	Contact	View Profile	Delete
Club Name: ZUMBA Club Email: zumba@gmail.com	Contact	View Profile	Delete
Club Name: English Club Club Email: englishclub@gmail.com	Contact	View Profile	Delete

Diagram 5.3.10. Updated club list

6. Conclusion

This project is developed to encourage students in participating in co-curricular activities. It provides the platform for students to explore various clubs that exist in UiTM Raub. They can view more detailed information about the club that they tend to join, receive important announcements and upcoming events that will be held in the future. The system is not only viable for students, it also helps club administration to manage the club's new member application. Club admin can send an announcement to all club members to notify any news. They can also accept or decline any new member application after verifying the user's identity. Lastly, this system also can be utilized by student affairs to monitor all clubs that exist in UiTM Raub. They can also add or remove any existing clubs and students, and monitor any announcements or events that have been made in the system by all clubs.

7. References

W3Schools.com. (n.d.). <https://www.w3schools.com/php/>

W3Schools.com. (n.d.). <https://www.w3schools.com/sql/>

W3Schools.com. (n.d.-b). <https://www.w3schools.com/js/>