

## **Report**

The main goal of our group assignment is to create a social networking application. It allows student clubs to promote themselves, find new members, and keep existing members up to date. To ensure a well-structured and comprehensive design, our team produces web design drawings. That provides a visual representation of the app's layout, functionality, and overall user interface, and we've documented the design below to serve as a reference throughout the development process. As we progress through the development phase, we may encounter practical considerations and make necessary adjustments to optimize the user experience and address technical limitations. Before entering the programming phase, we conduct extensive research to gain a thorough understanding of the functional requirements specified by the teacher. The social networking application we're building has three main components: users, club managers, and system administrators.

### **● Research**

Before we designed web pages for our student club-focused social networking program, we conducted thorough research by exploring existing student clubs. We learned about the basic functions of a club website. In particular, we looked at our University of Adelaide club website, which showcases a clear and effective design. By studying these typical club websites, we were able to observe their visual layout, content organization, and user interaction features. The clarity of their design stands out, allowing users to easily navigate and understand the purpose of each club. We noticed the intuitive user interface, well-structured information, and the highlighting of important club details. Based on our observations, we incorporate similar design principles into our web pages, with an emphasis on clarity, simplicity and user-friendly functionality.

# Adelaide University Clubs

Home / clubs

 Login

With more than 130 clubs at the University of Adelaide, there's a crowd for everyone.

You don't need to be on campus to experience club life. Clubs are open to everyone, so you can join and engage with our communities virtually from the comfort of your own lounge room.

Whether you're a gamer, an actor, a debater or a dancer, a singer, a writer or simply love yoga. Want to challenge a chess champion or quaff a cab sav; looking to learn a new language or taste a new tea.

No matter where you come from or what you're into, the University of Adelaide has a club for you.



## Find a club

We have cultural and religious clubs, political and cause-based clubs, activity and hobby clubs, as well as clubs aligned to courses and faculties at the University of Adelaide.



## Sporting clubs

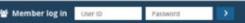
Adelaide University Sports also has nearly 40 sports clubs available, ranging from Australia's largest University snow ski trip, through to bush walking, rowing and many more water, field and indoor sports.



## YouX on Facebook

YouX is your portal to fun, friendship, networking, and hundreds of other opportunities. Stay connected with latest news and events by following the YouX Facebook page.





[HOME](#) [ABOUT](#) [MEMBERSHIP](#) [PARTNERS](#) [NEWS](#) [EVENTS & COMPETITIONS](#) [CIRCULARS](#)

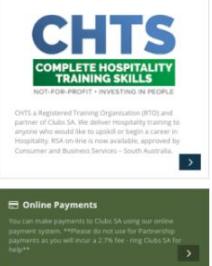
  
Anzac Day 2023  
RSL Club Events

  
TAB Support Clubs in SA  
09 MAY 2023  
TAB Delivers for SA Clubs  
[Read More >](#)

  
Clubs SA Hospitality  
BACK ON!  
08 MAY 2023  
join us Tuesday 23 MAY 2023  
[Read More >](#)

  
Port Pirie Amateur Anglers  
05 MAY 2023  
A warm Clubs SA welcome  
[Read More >](#)

  
ClubSafe is a responsible  
guardian of Clubs SA  
and is the Clubs Early  
Intervention Agency  
[Read More >](#)

  
**CHTS**  
COMPLETE HOSPITALITY  
TRAINING SKILLS  
NOT-FOR-PROFIT • INVESTING IN PEOPLE  
CHTS a Registered Training Organisation (RTO) and  
partner of Clubs SA. We offer a range of training  
opportunities for those who like to learn or begin a career in  
Hospitality. RSA on-line is now available, approved by  
Consumer and Business Services - South Australia.  
[Read More >](#)

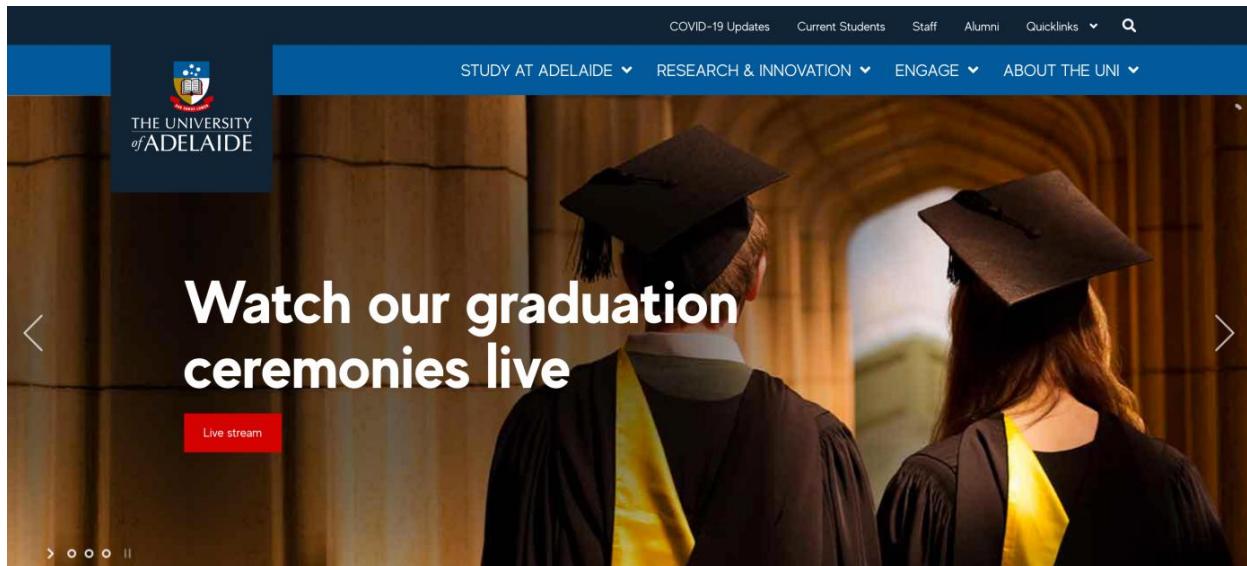
  
Anzac Day 2023  
19 APRIL 2023  
Commemorative Preparations  
well underway  
[Read More >](#)

  
TAB TRADE NOT  
PERMITTED  
GOOD FRIDAY  
03 APRIL 2023  
REMINDER REGARDING GOOD  
FRIDAY TRADING  
[Read More >](#)

  
What's New from  
Konami  
03 APRIL 2023  
The Next Dimension - Let's go  
Larger  
[Read More >](#)

  
Online Payments  
You can make payments to Clubs SA using our online  
payment system. There is no fee for online  
payments as you will incur a 2.7% fee - ring Clubs SA for  
help\*\*  
[Read More >](#)

To start developing our web application, the first step is to choose the appropriate framework. We checked various resources, including the official website of the University of Adelaide. We have incorporated elements from official university websites, such as headers and footers, into our programs. These additions help create a consistent user experience. To further personalize our programs, we have designed and incorporated our icons.



Additionally, since our web pages require multiple interrelated functions, we implemented a navigation system. Each item in the list represents a unique feature in our social networking application. By taking this approach, users have a clear idea of the available features, similar to a 'COVID-19 Update' or 'Current Students' button on an official website. This intuitive design enables users to quickly navigate to the section they want with a simple tap, facilitating a seamless and efficient user experience.

The footer of the University of Adelaide's website. It includes the university's logo, a "make history." slogan, and a statement acknowledging the Kaurna people. There are links for "Information about" (The University, Campuses &amp; Maps, Degrees &amp; Courses, Working at Adelaide, Giving to Adelaide, Safer Campus Community, University Contacts) and "Information for" (Future Students, International Students, Current Students, Current Staff, Future Staff, Alumni, Business &amp; Community). Logos for the Group of Eight Australia and South Australia are shown, along with social media links for Facebook, Twitter, Instagram, YouTube, LinkedIn, and TikTok. The footer also contains a disclaimer, copyright information, and a CRICOS provider number. A "Top" link is in the bottom right corner.

Given our program's focus on student clubs, it was imperative to showcase the variety of clubs available in our app. To achieve this, we took inspiration from the layout and design of

the Rolls Royce Club website. On our homepage, we have highlighted a section dedicated to highlighting all the clubs offered in our programme. We have carefully curated a visually appealing display by combining images and club names. The use of images next to club names is designed to grab users' attention and pique their interest in joining those clubs. By showcasing the various clubs available, we provide users with a comprehensive overview of club offerings. By taking this approach, we aim to create a visually compelling and informative club showcase that makes it easier for users to explore and select clubs that match their interests and preferences.

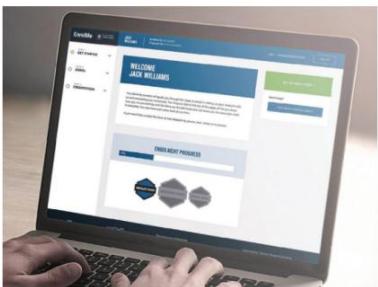
**Banquets**      **Members Hotel**      **Customization Center**

**Rolls-Royce Club & World Billionaires Cooperation Club Join Forces**

British socializing is a century old British courtesy culture inherited by Rolls-Royce club. In 2020, it will join hands with the world's top elite social clubs to jointly provide world-class British aristocratic social venues for Chinese Rolls-Royce club members, such as Charlotte's Royal Queen's ball, countess's social ball, Hermes's global banquet, etc., for members only.

Next, in order to cater to the different needs and roles of the different users in our program, we took inspiration from the "current students" section of the school's official website. Our program involves three main user groups: users, club managers, and system administrators. Each group has specific responsibilities and needs access to different content in the application. We have designed separate login and registration flows for users and club managers. We have created three different links on our website that allow users to select their respective roles and navigate to the appropriate landing page. This clear distinction enables users to quickly identify the login method that corresponds to their role. After logging in, users and club managers are directed to their respective home pages, which are tailored to their specific needs and functionality. Therefore, their access rights and privileges are

different from users and club managers. The system administrator's home page serves as a centralized hub, providing them with the necessary tools and features to oversee the entire system, manage user accounts, and efficiently manage club managers. By implementing this differentiated approach to login and home pages, we ensure that each user group can easily navigate the application, accessing specific features and content relevant to their role.



#### Enrol here

New and continuing students complete your enrolment here.

[Get started](#)



#### Graduations

Get all the relevant information for your graduation.

[Find out more](#)



#### Academic support

Academic support to help you achieve success, whether face to face or remotely.

[Find out more](#)

In the detailed user function, the function required by the teacher allows the user to view the notification sent by the club. In this regard, we took inspiration from the notifications section on the MyUni platform. This feature provides users with a convenient way to stay informed about the latest club events and announcements. On the user's homepage, we have specially set up a section to display the four notifications recently pushed by the club. This allows users to quickly browse the most important and timely information without leaving their home page. By highlighting these notifications, users are encouraged to stay engaged and aware of events within the clubs they've joined. Additionally, in the "Your Clubs" section, we have created a dedicated space for all notifications related to the clubs the user belongs to. These notifications are arranged in chronological order based on when they were pushed. By providing a comprehensive list of notifications, users can easily access and review all messages sent by the clubs they are active in. This feature ensures that users never miss

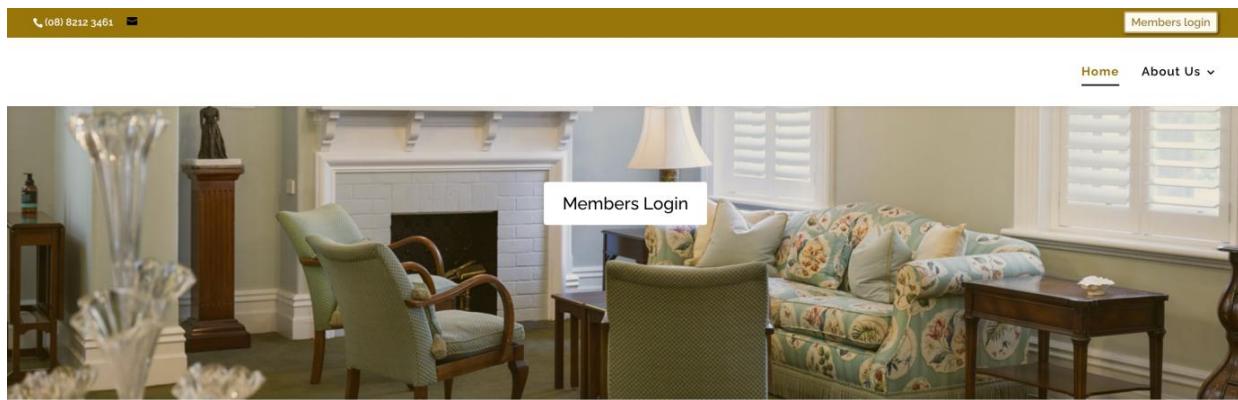
important updates or announcements.

The screenshot shows a university course homepage with a sidebar and a main content area. The sidebar on the left includes links for Home, Announcements, Echo 360, Piazza, Assignments, Quizzes, Grades, People, Modules, Assignment Help, Collaborations, Toolkit, LMS Analytics, One Drive, Search, and SELT. The main content area displays recent activity and announcements. Recent activity includes 4 announcements (4310\_COMP\_SCI\_X\_0018 and 4310\_COMP\_SCI\_X\_0012), 4 assignment notifications (4310\_COMP\_SCI\_X\_0018), and 43 discussions (4310\_COMP\_SCI\_X\_0012 and 4310\_COMP\_SCI\_X\_0003). Announcements listed include:

- Week 9: What's Happening** (All sections) - Hi Everyone, Welcome to Week 9! This week we're looking more deeply at authentication as well as how we can... **Posted on:** 8 May 2023, 12:00
- Week 8: What's Happening** (All sections) - Hi Everyone, Welcome to Week 8! This week we're revisiting our express server and diving more deeply into ho... **Posted on:** 1 May 2023, 12:00
- Week 7: What's Happening** (All sections) - Hi Everyone, I hope y'all had a good break from classes. By now you should have some decent experience with... **Posted on:** 24 Apr 2023, 09:00
- Week 6: What's Happening** (All sections) - Hi Everyone, We've now got most of the fundamentals to build basic web applications, but how do we ensure ... **Posted on:** 3 Apr 2023, 11:00
- Week 5: What's Happening** (All sections) - Hi Everyone, We've got the client and the server, so it's time to put the Database in WDC. This week we'll be l... **Posted on:** [unclear]

A search bar at the top right says "Search this course".

After looking at various websites, we noticed that some homepages did not effectively communicate the purpose and function of the website at first glance. To address this, we took inspiration from a specific example, such as the Adelaide Women's Club website, which has a clear presentation on its homepage. We recognize the importance of providing an introductory section on our home pages to enhance user understanding and facilitate navigation. To ensure that users can quickly grasp the main content of our website, we have added a concise introduction to the club on the home page. By placing this introduction in a prominent position on the homepage, users can easily understand the main functions provided by our website.

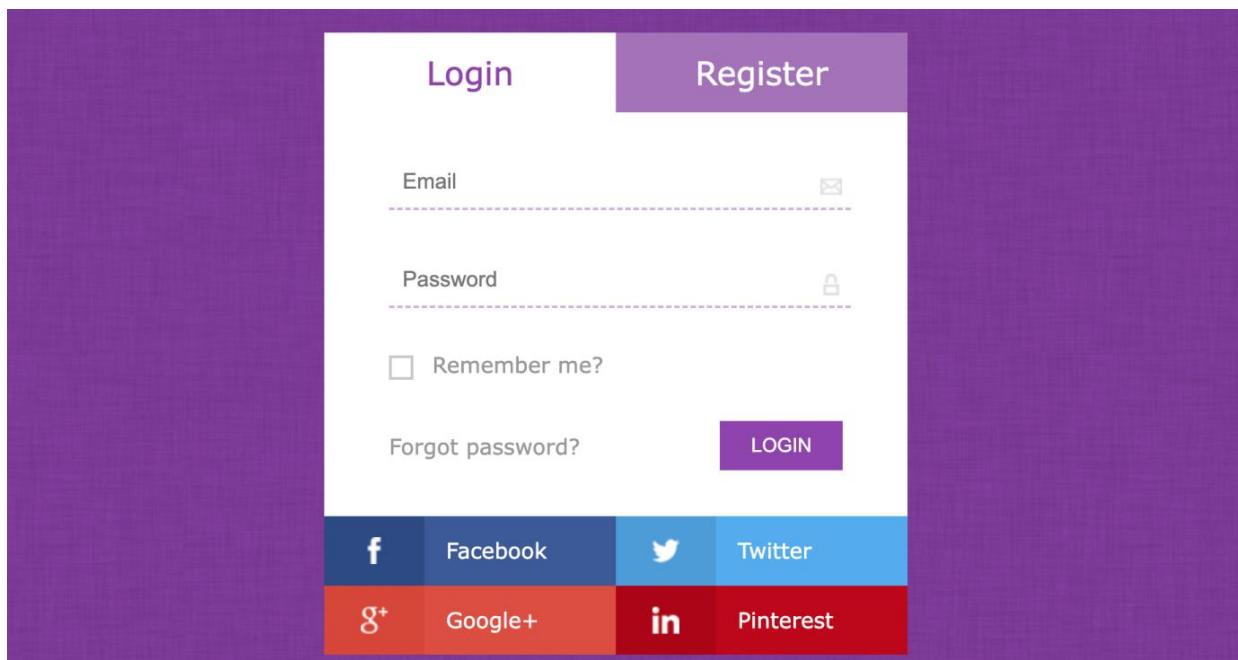


**Founded in 1909 by forward thinking women of Adelaide.**

Our private women's club provides an elegant, sophisticated and stylish city escape, where members can socialise, dine, enjoy entertainment and activities; and generally relax in comfortable and traditional surrounds.

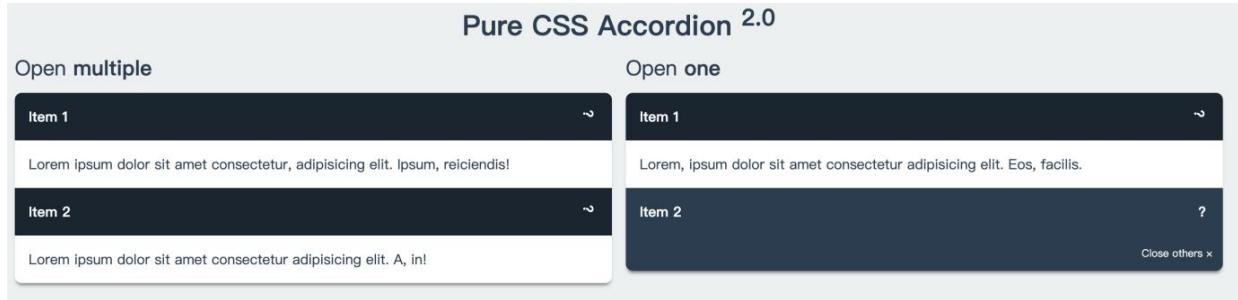
Named after our city's namesake, Queen Adelaide, we are one of Australia's oldest women's clubs. Our premier city location on North Terrace, in a beautiful heritage building, provides a convenient and charming welcome for members, guests, and reciprocal members alike.

During our information gathering, we found many websites offering various plugins and design inspiration. Although we have not learned some design writing methods, we can learn by ourselves through the information provided by the website. Using the information provided by these sites, we were able to learn and implement new design approaches for our pages. For example, we came across a minimalist login page design. By looking at the layout, colour scheme, and overall aesthetic of this particular login page, we learned how to create a visually simple login and registration page for our users.



Also, we came across an interesting design element on one of the websites called an

accordion shape. Recognizing its potential to enhance the user experience, we decided to incorporate this functionality into our users' section. By utilizing the accordion shape, we were able to effectively present all available clubs to the user in a visually appealing and organized manner. This design choice simplifies the user experience, allowing them to access information about various clubs without being overwhelmed by excess content or cluttered layout.



## Conclusion

Our initial research gave us valuable insights, but we recognize that the web design process is an iterative one. When we start writing web pages for our social networking application, we will incorporate the knowledge gained from our research and make necessary modifications to enhance the overall user experience. In order to further optimize our webpage, we will use the <https://www.w3schools.com/> website provided by the teacher.

## ● Design

Home page

logo	Website name
------	--------------

Welcome to clubs!

introduction about survival

pic of clubs

25%

25%

25%

25%

XX club

XX club

XX club

XX club

Join us ↓

20%

Users
<u>login link</u>

30%

Managers
<u>login link</u>

30%

Administrators
<u>login link</u>

12x12 rem



Contact us

email: \_\_\_\_\_

phone number: \_\_\_\_\_



Address: \_\_\_\_\_

# login

50%

login (user)

email:

---

password:

---

go

Other

← Username

50%

Register

full name:

---

user name:

---

email:

---

password:

---

save

← ajax

50%

login (Managers)

email:

---

password:

---

go

50%

login (Administrator)

email:

---

password:

---

go

## Home page (Home - u part)

Home - u

- Home - u
- clubs
- Announcement
- Setting
- Club member
- Post
- RSVP
- manage club user  
①②  
odd managers

image

Welcome!

introduction of survival

relative ↗ card

Announcement

Card

12x12 rem

logo

Contact us

email: \_\_\_\_\_

phone number: \_\_\_\_\_

Address: \_\_\_\_\_

## Home page (clubs part)

✓

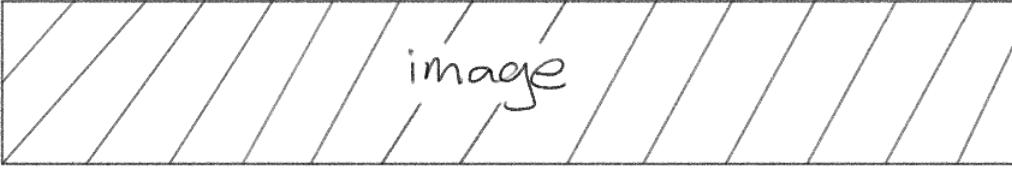
Home - u clubs Announce ment Setting Club member post RSVP manage club user odd managers	<p>image</p> <p>button center . center button</p> <p>your clubs All clubs</p> <p>12x12 rem</p> <p>logo Contact us email: _____ phone number: _____</p> <p>Address: _____</p>
---	--

# Home page (clubs part)

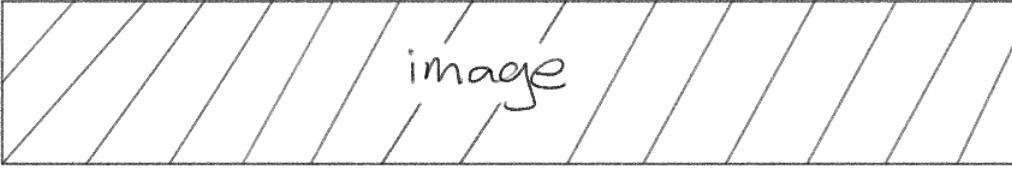
✓

Home - u clubs Announce ment Setting Club member post RSVP ① manage club user ② odd managers	<p>image</p> <p>button center center button</p> <p>your clubs All clubs</p> <p>XX club:</p> <p>br</p> <p>XX club:</p> <p>br</p> <p>XX club:</p> <p>12x12 rem</p> <p>logo</p> <p>Contact us email: _____ phone number: _____</p> <p>Address: _____</p>
---	---

## Home page (Setting part)

Home - u  clubs	 image
Announce ment	Setting <i>ehi</i>
Setting	hr
Club member	text-align = right username <input style="width: 300px; height: 30px; margin-bottom: 10px;" type="text"/>
post	email <input style="width: 300px; height: 30px; margin-bottom: 10px;" type="text"/>
RSVP	full name <input style="width: 300px; height: 30px; margin-bottom: 10px;" type="text"/>
manage club user add managers	password <input style="width: 300px; height: 30px; margin-bottom: 10px;" type="text"/> 
	<input style="width: 100px; height: 30px; margin-top: 20px;" type="button" value="Save"/> ← ajax
12x12 rem	
logo	Contact us email: _____ phone number: _____
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Address : _____

## Home page (managers Setting part)

Home - u clubs Announce ment Setting Club member post RSVP manage club user odd managers	 <h1>Setting</h1> <hr/> <p>text-align: right</p> <p>username <input style="width: 300px; height: 150px;" type="text"/></p> <p>email <input style="width: 300px; height: 150px;" type="text"/></p> <p>full name <input style="width: 300px; height: 150px;" type="text"/></p> <p>password <input style="width: 300px; height: 150px;" type="text"/> </p> <p><input type="button" value="Save"/> ← ajax</p> <p>12x12 rem</p> <tr><td>logo</td><td>Contact us email: _____ phone number: _____</td></tr> <tr><td></td><td><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Address : _____</td></tr>	logo	Contact us email: _____ phone number: _____		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Address : _____
logo	Contact us email: _____ phone number: _____				
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Address : _____				

# Home page (clubs members part)

Home - u

clubs

Announce  
ment

Setting

Club  
member

post

RSVP

manage  
club  
users  
①  
②  
odd  
managers

12x12 rem

image

club members hi hr

remove

remove

remove

remove

remove

remove

remove

remove

logo

Contact us

email: \_\_\_\_\_

phone number: \_\_\_\_\_

Address: \_\_\_\_\_

The diagram illustrates a wireframe for a website's home page, specifically for a 'clubs members' section. On the left, a vertical sidebar contains links: Home - u, clubs, Announce ment, Setting, Club member (with a red arrow pointing to it), post, RSVP, manage club users (with ① and ② circled in red), odd managers (with a red line underneath), and a 12x12 rem placeholder. The main content area features a grid placeholder with diagonal lines and the word 'image' written across it. Below this, a header says 'club members' with 'hi' and 'hr' in red. The main body consists of six horizontal rows, each with a short line of text followed by a 'remove' button. A note 'display: inline-block' is written above the second row. At the bottom, there's a logo placeholder, contact information (email and phone number fields), and a footer with social media icons represented by four squares and an address field.

## Home page (post part)

Home - u

clubs

Announce  
ment

Setting

Club  
member

post

✓

RSVP

manage  
club  
user  
odd  
managers

①  
②

12x12 rem

image

text-align: left 90%  
title: [ ] 150%

to: private X All X 90%  
150% text-align: center

text-align: left

100% text-align: right Post

Past post comment:

xx xx , 20xx: text-align: left

xx xx , 20xx: text-align: left

Contact us

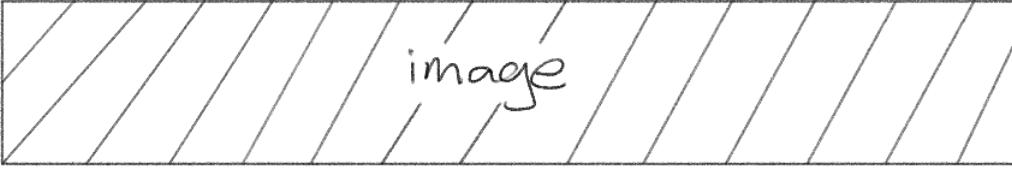
logo

email: \_\_\_\_\_

phone number: \_\_\_\_\_

Address: \_\_\_\_\_

## Home page (Administrators Setting part)

Home - u clubs Announce ment Setting Club member post RSVP ① manage club user ② odd managers	 <h3>Setting ← hi</h3> <hr/> <p>text-align: right</p> <p>username <input style="width: 300px; height: 30px; margin-right: 10px;" type="text"/> 30x 30 px</p> <p>email <input style="width: 300px; height: 30px; margin-right: 10px;" type="text"/> 30x 30 px</p> <p>full name <input style="width: 300px; height: 30px; margin-right: 10px;" type="text"/> 30x 30 px</p> <p>password <input style="width: 300px; height: 30px; margin-right: 10px;" type="text"/> ⚡ 30x 30 px</p> <p><input type="button" value="Save"/> ← ajax</p> <p>12x12 rem</p> <p>logo <input style="width: 120px; height: 120px; margin-right: 10px;" type="text"/> Contact us email: _____ phone number: _____</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Address: _____</p>
---	---

## Home page (Administrator Manage part)

Home - u

clubs

Announce  
ment

Setting

Club  
member

post

RSVP  
(only)

① manage  
{ club  
user  
② odd  
managers

image

Manage clubs ↪ hi hr

remove

remove

remove

remove

remove

remove

remove

12x12 rem

logo

Contact us

email: \_\_\_\_\_

phone number: \_\_\_\_\_

Address: \_\_\_\_\_

□ □ □ □

## Home page (Manage Managers part)

Home 

clubs

Announce  
ment

Setting

Club  
member

post

RSVP

manage  
club  
user  
add  
managers

image

Manage Administrators  

remove display: inline-block

remove

remove

remove

remove

remove

remove

remove

12x12 rem

logo	Contact us email: _____ phone number: _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Address: _____

## Home page (Manage Managers part)

Hand-drawn wireframe of a web page for managing managers.

The left sidebar contains the following menu items:

- Home - u (with house icon)
- clubs
- Announce ment
- Setting
- Club member (highlighted with a red arrow)
- post
- RSVP
- manage club user (with a red circle and question mark)
- odd managers (with a red circle and question mark)

The main content area has a header "Manage Users" with a "hi" annotation and a "hv" annotation pointing to the right.

The content area is divided into two sections:

- A top section with a grid of 12x12 items, each containing a "remove" button and a "set" button. A red arrow labeled "ajax" points from the "set" button in the first row to the second row.
- A bottom section labeled "12x12 item" containing a logo, contact information, and social media links.

Annotations in the bottom section include:

- "display: inline-block" above the first "remove" button.
- "Contact us" above the email input field.
- "Address : \_\_\_\_\_" next to the address input field.

## ● Feedback

After we finished the design, we checked with the other teams and from that we got some feedback. On the original main page we originally planned to just show what clubs we had. Other groups gave us some advice. We can introduce some introductions to our club on the main page. Let everyone know what clubs we have on our site. In addition, other teams found that our passwords have no way to display the entered passwords when looking at our design artwork. In this way, there is no way to check whether the password is entered correctly when entering the password.

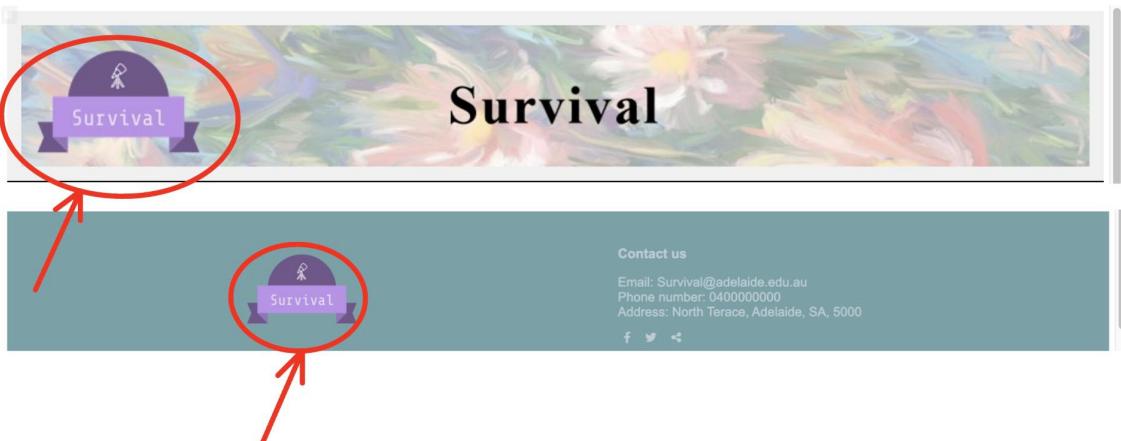
## ● Review and Changes

We considered some usability heuristics after completing the blueprint. On the visibility of the system status, we consider that the system should provide users with clear and timely feedback on the current operating status. When we log in, we put login and registration together, so the icon will change color when clicking login or registration. Click the corresponding button in our menu bar to change the color. This tells the user their current location. Second, in aesthetic and minimalist design the page should be visually appealing and uncluttered, focusing more on essential elements and content. Our page only has our own logo in the header and footer. In other places, we use relatively neat layout to tell users all the information. Here we also take into account program consistency and standards. We added the same header and footer throughout the page and we used consistent colors and typography throughout the program. In the user interface, they want to view the complete user information, so we set the mailbox with an error message when they want to change it.

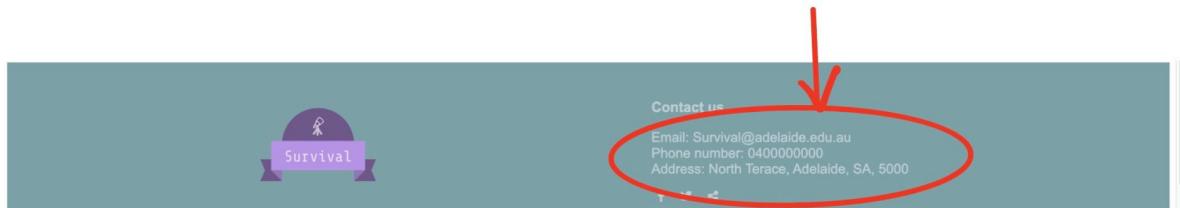
```
<td class="in_left"><label for="email">Email</label></td>
<td class="in_right"><input type="email" name=email id="email"></td>
```

Change the mailbox type to "email". This way error messages can be clear, precise, and give specific solutions.

After we started writing the program, we found that we could add a button to return to the initial page that was not logged in. We didn't add buttons to the original design. Each of our pages has a header and footer and contains our logo. By changing the logo, we can click the logo to return to the page that was not logged in at the beginning. Just like the picture below.

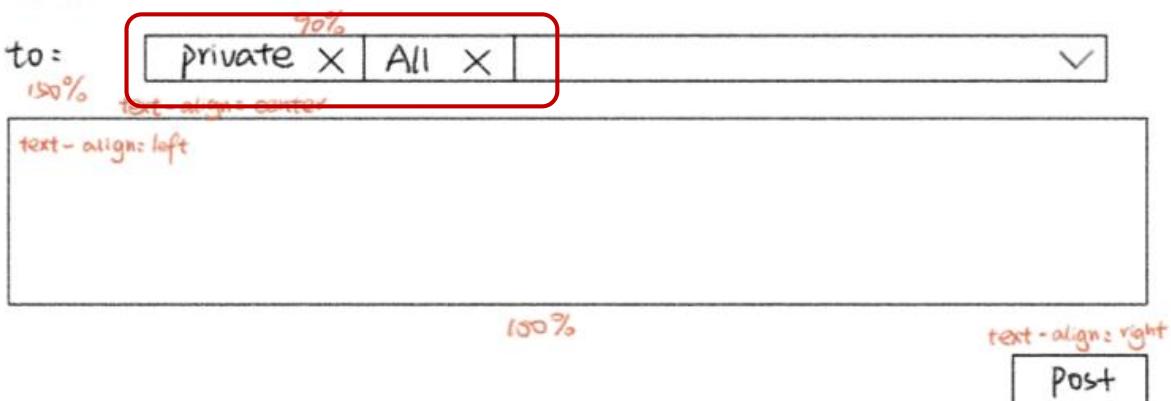


And we also added links by modifying the email address, phone number and address in the footer to realize the jump. Jump to the information we added.



In the group exchange review, other groups gave us some suggestions to check the filled password when filling in the password. Therefore, we have added a button in all the places where the password needs to be filled in, and you can choose whether to display the password or not.

When writing club administrators to send announcements, we added one more feature. They can choose whether to send it to everyone or only to members of the added club.



We also discussed a place that we ultimately chose not to change. That's the announcement on the user's home page. During the discussion it was decided to put all announcements sent by the manager here. But we finally decided that the main page would only show the latest four messages. You can view all the announcements in the club you join. The first image below is the user's home page. The second image shows all the announcements.

## Announcement

[Amazing! Eating club have a new dish!!!](#)

[Sleeping club claim "sleeping is the best thing in the world!"](#)

[Do you like play outside? Come on!](#)

[Ten games to promote friendship. Did you know?](#)

### Announcement:



After designing the design drawing, we considered that if we only use some basic things to make this program, the content will be very monotonous, and the user experience of this program will be very boring. So we added many different click buttons to the web page. Our page is for student clubs. We couldn't put more in the mental effort required for users to understand and process the information in the user interface. We simplify complex concepts, organize information effectively, and provide clear instructions and feedback.