

2024 WDC Project - Group 80

2024 WDC Project - Group 80	1
Initial discussion of project requirements and ideas	2
Initial Workload division	3
Important Resources	4
Milestone 1 Submission Checklist:	5
General Meeting Notes	6
Database Plan - Draft	7
MILESTONE 1 SUBMISSION PLEASE READ - Information Document	9
Volunteer Groups Page - Tharane	9
Research:	9
Features:	9
Design - Progression of page design:	10
Review:	12
Default Page - Rohan	13
Research	13
Initial MockUps	14
Final Mock Up	15
Features:	15
HomePage - Harshal	16
Initial Research:	16
Features	18
Settings Page - Finlay	20

Initial discussion of project requirements and ideas

Document each page must have this background

- Research
- Evolution of HTML
- Feature list
- Implementing group feedback on page

Database plan

Tidying up the css colour stuff for all pages

Making sure the document that we are submitting looks neat

IMPORTANT DATES:

- 22nd April Week 7
- 29th April Week 8
- 6th May Week 9
- 13th May Week 10 : MILESTONE 1 DUE 17TH MAY

Week 8 Goals:

- Diagram of webpage
- General HTML and CSS
- Data base plan
- Data relational schemas

General thoughts

- Youtube subscription feature for each club adding
- Feed feature from the clubs
- Joining and leaving groups like facebook
- Users log in and sign up
- Different Admins levels for each group
- Email integration
- Without logging seeing group info

Initial Workload Division

Potential Pages:

- Sign Up Page (Finlay)
 - Current Public Events
- Home Page (Harshal)
 - Notifications
 - 'My' Events
 -
 - Search for groups -> links to the
 - Menu column
 - My Groups column
 - Log in drop down
- Volunteer Groups Page (Tharane)
 - Search Bar
 - Carousel for Volunteer Categories:
 - Health
 - Community
 - Sport
 - STEM
 - Volunteer Groups Tiles
- User Settings/Account Detail Page (Finlay)
 - Joined Groups
 - Name
 - DOB
 - Email
 - Password
 - Profile Picture
 - Other Settings
 - Make a group
- Individual Page/s for Each Volunteer Group (Rohan)
 - Version for Users
 - Version for Group Admins
 - Making the Group - Admin Page
 - Posts/Questions/Events
 - About 'Us'

Important Resources

User check (ARIA) - <http://colorsafe.co/> <https://webaim.org/resources/contrastchecker/>
Color Scheme Used across the website:



7,177

Image

Link

2 months



#B5C0D0



#CCD3CA



#F5E8DD



#EED3D9

```
--color1: #B5C0D0; /* Permanent Content */  
--color2: #CCD3CA; /* Button pressed-hover */  
--color3: #F6F5F2; /* Background */  
--color4: #F0EBE3; /* Objects, buttons rest, blocks */  
--color5: #B5C0D0; /* Side Permanent Menu */  
--textColor: black; /* Text, border color*/
```

Milestone 1 Submission Checklist:

- Users should be able to sign up and log in to the system in order to
 - Sign up/log in.
 - Manage their user information.
 - Join a Volunteer Organization.
 - View updates from the Volunteer Organization they're members of.
 - See upcoming Volunteer Organization events and RSVP.
- Volunteer Organization Managers should be able to log in in order to:
 - Sign up/log in.
 - Manage their user information.
 - View their members
 - Post updates both publicly, and privately to their members.
 - Create and update Volunteer Organization events.
 - See who has RSVP'd for an event.
- System Admins (users who can manage the whole system) should be able to log in in order to:
 - Manage their user information.
 - Manage Users.
 - Manage branches of the Volunteer Organization.
 - Sign-up other Admins.
- Users should be able to choose to link a social media/email/other account, allowing login via that platform, to make logging in easier.
- Users without accounts should be able to view public information and updates for the Volunteer Organization.
- Email notifications
 - Users can sign up to receive email notifications from the Volunteer Organization for things like updates and special events.
 - Users should be able to choose which types of email notifications are sent for each Volunteer Organization and which Volunteer Organizations they receive those notifications from.

General Meeting Notes

Databases

- Contact Info
- Group Names
- Login Details
- Regular Users vs Admin Database
- Flags for whether they're owners, admins, or regular users
- Filtering system for events, posts, q&a and when a user goes back to the website

Notes of Extra Features we might want to add:

- Only admins can make posts
- Feature: Users can tag admins, and create a q&a board
- Feature: Approve a process for new groups, system admin approves new group
- Feature: Any system admin can make new system admins
- Feature: Reorder your groups in the way you want
- Feature:

Naming Conventions:

- variableName: Camel Case

Filter System:

- STEM
- Health
- Sport
- Community

Notes on what we want to get done in our second project session:

- HTML & CSS
- Routes
- Publisher Files
- Timeline of Things
- Color Scheme, Consistency of Visual Schemes
 - Hex Codes:
 - Black Text

Database Plan - Draft

Home Page					
Features	Specifics	Data Source	Form	Stored on Server?	
Login	Username	User Input/Database	Text	yes	
	Password	User Input/Database	Encrypters	yes	
Group Bubbles	Images	Database	Text (hover over)	yes	
		Database	Image	yes	
Posts			Images Texts	yes	
Filters	User Input	User Input		Client side	

My Account Page					
Features	Specifics	Data Source	Form	Stored on Server?	
Profile	Picture	user	img	yes	
Profile	settings	user	text	yes	
Settings	colors	user	Text (VARCHAR)	yes	
Settings	Password change	user	text	yes	
Settings	Email notifications	user	Button	yes	
Manage Groups	Request	user	Img Text	yes	
Manage Groups	Email Notifications	user	button	yes	
Manage Groups	Viewing Groups	user	button	yes	

Volunteer Groups Page					
Search	Bar	user	text	client	
Search	Button	user	button	client	
Filter	Buttons	user	buttons	client	
Search	Results	user	Text img	Server side	
Tiles	Images		img	Server side	
Tiles	Text		text	Server side	

Default Group Page					
Main Content	Contact info	user	text	server	
	Group name	user	text	server	
	Group description	user	text	server	
	Group img	user	img	server	
View Posts	Comments	user	text	server	
Make a post	text	user	text	server	
	image	user	img	server	
	Post type	user	Toggle	Client side	
	content	user	Text, img and toggle	Server side	

MILESTONE 1 SUBMISSION PLEASE READ - Information Document

Volunteer Groups Page - Tharane

Research:

 <p>Find a club ↗</p> <p>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.</p>	 <p>Sporting clubs</p> <p>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.</p>	 <p>YouX on Facebook ↗</p> <p>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.</p>	<p>The tiles in the design for the volunteer page was inspired by the Adelaide university.</p> <p>This design allows for the user to be visually attracted to each tile container, see the tile title and a small description of each tile.</p> <p>Reduces cognitive and kinematic load when the user wants to click on the tiles by being easily visible and doesn't have additional steps to click on each tile.</p>
<p> People Directory</p> <p>Search for staff details in Australia and overseas, as well as meeting room information.</p> <p><input type="text"/> Search</p> <p>Scope: <input checked="" type="radio"/> Australia <input type="radio"/> International <input type="radio"/> Resources</p>			<p>This search bar and filter design from a people directory webpage was used for the volunteer page as it allows for the user to search as well as have filters underneath the search bar to assist in the searches.</p>

Features:

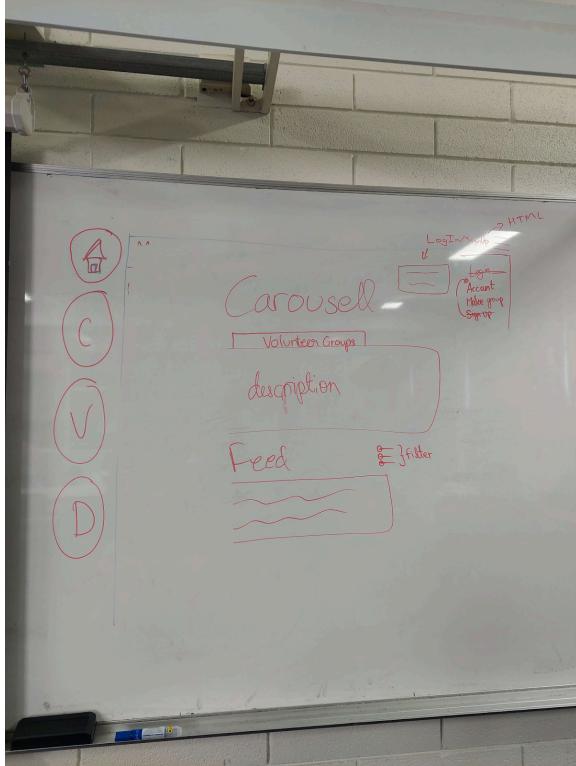
The main features of the volunteer groups' page are the group tiles, search bar and filters.

Search Bar: Allows users to look up specific groups using the name of the group or similar keywords. As users are typing in the search bar, a drop down list will appear with similar and suggested keywords.

Filters: allow users to narrow down their searches by different group categories.

Group Tiles: These tiles consist of groups' image, title and a brief description which allows users to browse through pages with ease. The entire tile will be clickable which will redirect to the groups info page (default group page) and the tile text will be highlighted in a different color on hover to inform users that they are hovering over the tile.

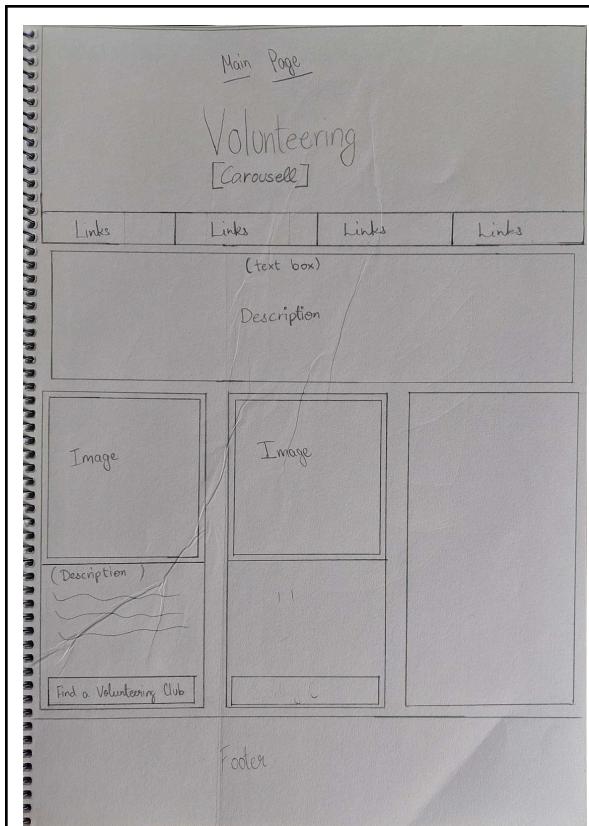
Design - Progression of page design & review:



Initial mockup of a standard design for all pages. Just a general outline based on other websites and web applications we used as examples.

The left column and top row will remain as a standard feature across all pages and only the inside content will change according to page.

This will allow seamless transition between the different pages within the website.



Initial mockup of the volunteer page group.

This design features the tiles, a top menu bar that would act as quick links.

This design was later modified as it was too cluttered and only needed page specific features.

Features that were removed includes:

- Quick links
- Page description

These were removed in the publisher mockup as they were included in different pages.

Contact Details: generic. Email@address.com
Ph: +61 800 111 12
Ur hendrerit diam natoque sagittis tristique. In vulputate odio eros, vitae maximus tellus lobortis elementum.

Publisher design of page

This mockup shows what the page would like at its final stages.

In this design there are still some internal features that were removed before the page was developed into HTML and CSS models.

The header, left sidebar and footer remained.

The carousel was removed and moved to the homepage of the website.

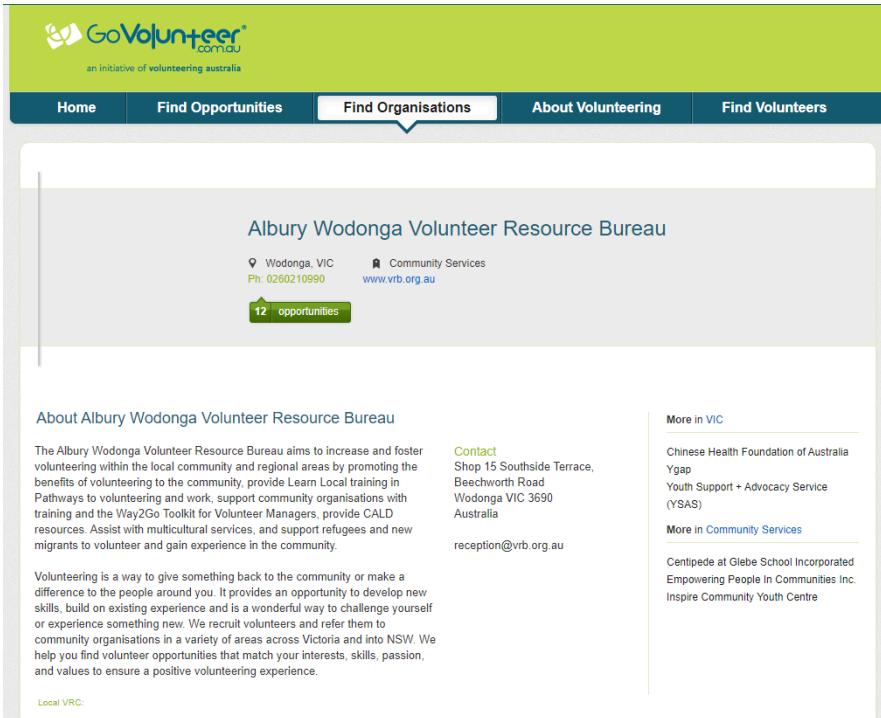
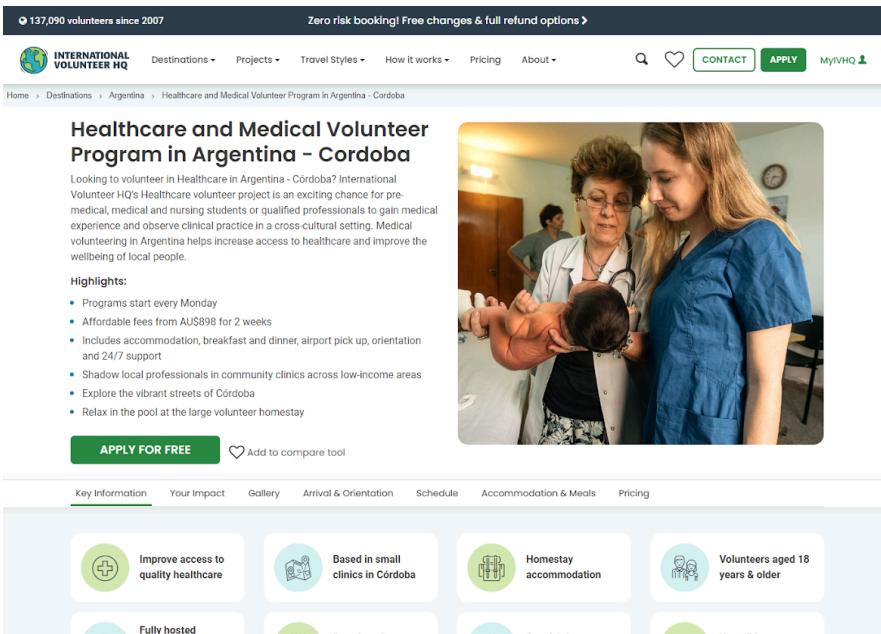
The carousel wasn't necessary in the volunteer group page as it would double up on the contents that are already present, increasing cognitive load.

The final design of the page includes refined features that are similar to the research examples.

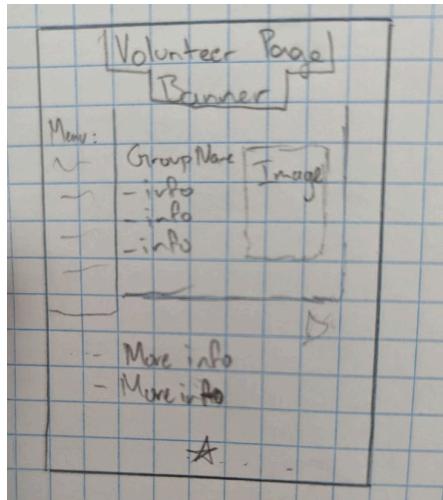
This page is highly focused on reducing cognitive and kinematic load to ensure that users can search by filters, keywords, group names and by browsing through the page looking at all the tiles.

The webpage follows a pastel color scheme which isn't too bright or too faint for the users to comfortably use.

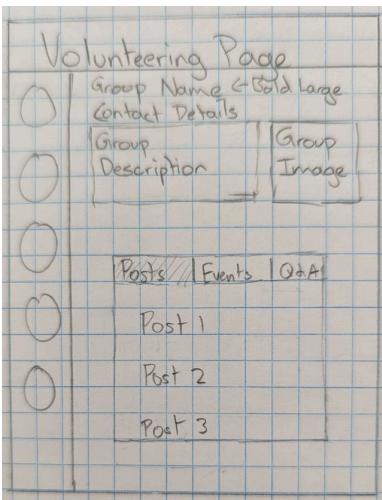
Default Page - Rohan

Research	Key Considerations
 <p>This was one of several pages initially researched, and a few key elements that I took into consideration for making a default group page were:</p> <ul style="list-style-type: none"> - The layout between volunteer group description, contact information and more all next to one another, with the key information being placed on the left (kinematic load being lower). - Having key contact details above in a large banner to allow for users to easily join or view events or more information if they wish. - Use of a tabs system above to switch between key information - an important feature that may be implemented differently. 	
 <p>This was one of several pages initially researched, and a few key elements that I took into consideration for making a default group page were:</p> <ul style="list-style-type: none"> - Similar to the previous slide, a structure that revolves around having group information and details closely linked together, however this page includes a large image next to it, which can allow new volunteers to get more information about the kind of work that goes on in the group. - An implementation of the previously mentioned tabs group that allows for users to swap between key info, gallery etc. 	

Initial Mockups



Design 1



Design 2

Design 1 was the initial design created to pitch the idea to the group and gain feedback on what features were implemented well, what needed to be changed and overall what we considered as a good idea. Design 1 explores the following features:

- The concept of a menu to act as the “breadcrumbs” for users so they can understand where they are on the page.
- 2 particular components in the website, one for group information and details, one for other information about group events etc. (at that point in time it was not clear what would be placed there).

Design 2 was the final mock up to clarify the changes being made to the initial mock up explores the following features:

- Features kept: Group Image, Group Description
- Features edited: Menu idea was changed as our implementation will replace the menu with image bubbles that link to the groups that the user is joined in.
- Features added: Added a feed that will show the posts, events and Q&A. These are made as tabs (similar to those seen in research) and will allow you to view multiple things at once.

Final Mock Up

Volunteer Page Banner — General Member View

Group Name

Group Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Blandit turpis cursus in hac habitasse platea dictumst quisque sagittis. Fusce id velut ut tortor pretium viverra. Sit amet mattis vulputate enim nulla aliquip. Nibh sit amet commodo nulla facilisi nullam vehicula ipsum a. Amet consectetur adipiscing elit ut aliquam purus sit amet luctus. Nulla facilisi etiam dignissim diam. Mauris rhoncus aenean vel elit. Nisi quis eleifend quam adipiscing vitae proin. Sapien fauscibus et molestie ac feugiat sed lectus vestibulum mattis. Ante in nibh mauris cursus mattis molestie a iaculis. Non nisi est sit amet facilisis magna etiam tempor.

Posts Events Q&A

Phone Number: 0123456789
Email Address: someEmail@gmail.com
Location: 85 someStreet somePark 1234
Volunteer Category: Cool

SC
RO
LL
BA
R
HE
HE

Activate window
Go to Settings to activate

Volunteer Page Banner—Admin View

Group Name

Group Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Blandit turpis cursus in hac habitasse platea dictumst quisque sagittis. Fusce id velut ut tortor pretium viverra. Sit amet mattis vulputate enim nulla aliquip. Nibh sit amet commodo nulla facilisi nullam vehicula ipsum a. Amet consectetur adipiscing elit ut aliquam purus sit amet luctus. Nulla facilisi etiam dignissim diam. Mauris rhoncus aenean vel elit. Nisi quis eleifend quam adipiscing vitae proin. Sapien fauscibus et molestie ac feugiat sed lectus vestibulum mattis. Ante in nibh mauris cursus mattis molestie a iaculis. Non nisi est sit amet facilisis magna etiam tempor.

Posts Events Q&A Joined Members

Phone Number: 0123456789
Email Address: someEmail@gmail.com
Location: 85 someStreet somePark 1234
Volunteer Category: Cool

SC
RO
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HE
HE

Activate window
Go to Settings to activate

These are the final mock ups that were created with the following changes being made:

- An admin toggle added that only lets you view the admin page if the user signed in is an admin.
 - This toggle allows admins to edit the group page and save changes made.
- Addition of a “Joined Members” tab that allows users to view the members that have joined the group.
- A scroll bar feature to let people scroll down the feed.

This design optimises for kinematic load by making sure key elements are grouped together, such as important buttons, as well as the tabs for posts, events and Q&A being close to one another. The tabs are not hidden behind any layers and are clearly visible at all times which is another reason for how this design enhances kinematic load.

As for the cognitive load, the buttons are clearly labelled with a different colour to the background, which ensures that the button is easily viewable. Not only that but the cognitive load is improved by having little clutter throughout the page. Only the necessary elements are provided, with alignment helping to

structure the page and give users a good flow of information to follow when viewing the website.

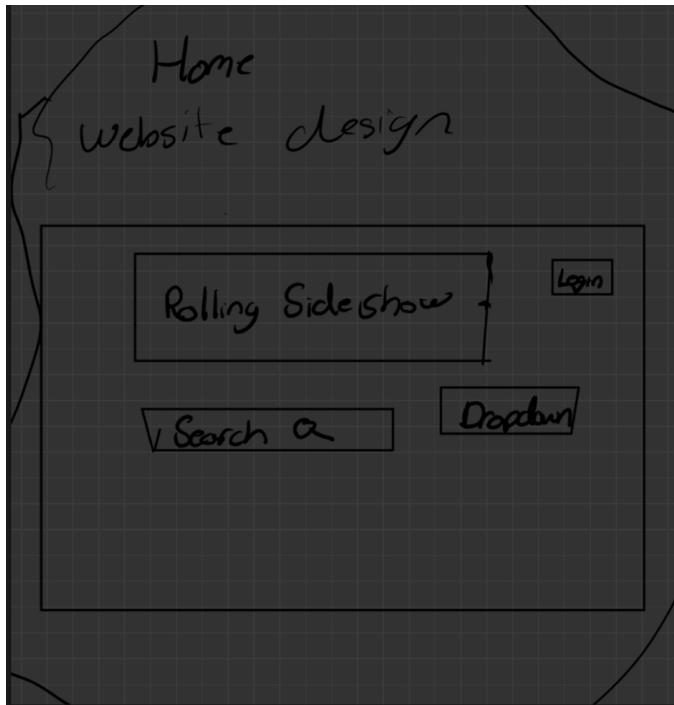
Features:

1. *Bubble Images*
 - a. Allow the user to view the pages of the groups that they have joined.
2. *Feed Tab*
 - a. Default set to the posts feed. Can click on the name of the tab to swap to it.
3. *Admin Toggle*
 - a. Button to switch to admin mode. Is located in the top right corner for ease of access.
 - b. Clicking it shifts it to the bottom right, after the group description, allowing the user to make the necessary changes and then submit the changes, or choose to click the admin toggle again to go back to user mode and not save changes.
4. *Scroll Bar*
 - a. Lets the user scroll down to view more posts, events etc.

Homepage - Harshal

Initial Research: Research primarily

For the early research different websites were viewed and some features were discussed. Then the highlighted features were pinned and saved to be viewed for a later date. Some of the best features for laying out information's such as seeks filter and search bar, you tubes subscription bubbles on left hand screen/ discords different servers menus. Discord primary top two bubbles saved for important sub menus. Several websites having login and sign up on the top left of the screen.

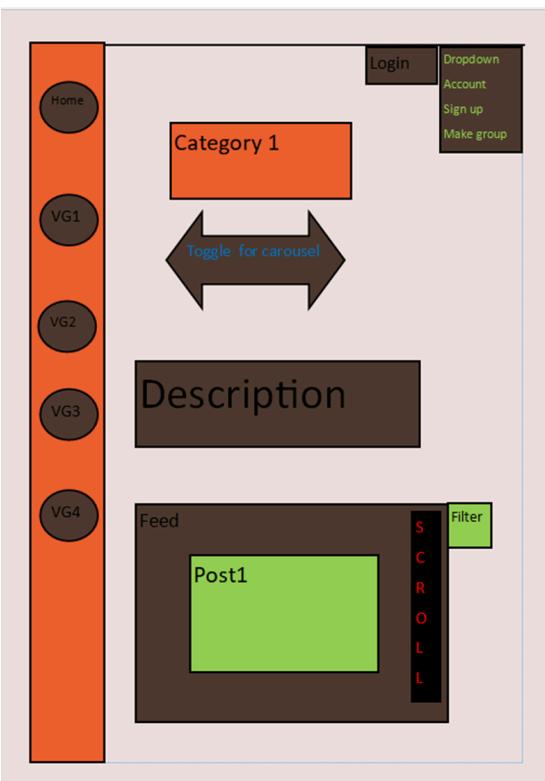


First Image (Rough Outline): This image represents the very early stage of the design process where the basic structure and elements of the website are sketched out.

It likely serves as a wireframe or a rough outline to establish the placement of various components such as navigation, categories, main content areas, and interactive elements like carousels and filters.

This stage is purely for having a rough layout of the page and the flow of the page.

The initial design is a basic sketch with minimal elements like a rolling slideshow, search bar, dropdown menu, and login button. Cognitive load is low since the layout is simple and easy to understand. Kinematic load is also low, with limited interactions required from users.



Second Image (Rough Sketch-Up in Publisher): At this stage, the initial ideas from the rough outline are translated into a more structured sketch, possibly using a tool like Microsoft Publisher.

This helps in visualizing how elements interact with each other and provides a clearer blueprint of the website's design.

The introduction of elements like the rolling slideshow and more defined areas for login and search functions suggests a focus on user engagement and accessibility.

This sketch likely serves as a preliminary mock-up that is closer to what the final design will aim to achieve but still remains flexible for adjustments. It being on Publisher helps as the elements can be easily moved for rapid testing for different layouts.

Cognitive load increases as users process a more detailed layout. Kinematic load rises with more interactive elements like toggles and side navigation buttons.



Third Image (Actual Design): The final image displays a polished and fully functional design, which would be the end result of iterative refining from the previous stages.

Here, the layout is cleaner, and the design elements are more coherent and visually appealing. This version focuses on user experience, with a streamlined interface that makes navigation intuitive. Cognitive load is higher due to the comprehensive layout and sophisticated navigation. Kinematic load is also higher, with multiple interactions required for elements like posts, filters, and dropdown menus.

The progression from a conceptual outline to a refined digital interface demonstrates the iterative nature of design, where feedback and testing likely influenced each subsequent version. This evolution reflects a gradual enhancement in both aesthetics and functionality, aiming to optimize the site for end-users by making it more engaging, easier to navigate, and visually appealing.

Features

- Login
- Sign up
- My account
- Carousel links
- Buttons for carousel
- Scroll bar
- Filter
- Search button A bubble
- Home button
- Volunteering group bubbles

Features	Description
Login	Brings up a pop up that displays a username and password input box. If successful, change login and sign up boxes to username.
Sign Up	Brings up a pop up that displays an email address, username and password input box
My Account	Changes the my account html page
Carousel Links	Image links that take you to preset filter options that rotate

	between four options
Buttons for Carousel	Should be able to take over the auto rotating carousel
Scroll Bar for Posts	Just a scroll bar that displays posts from groups you are a part of and as you get closer to the end of the page it auto populates more posts
Filter	That can display posts from certain group types, time in which they were posted, type of post.
Search Button - A Bubble	Takes you to the search page html that you can look for other volunteering groups
Home Button	Reloads this page your on
Volunteering Group Bubbles	Take you to that volunteering group's page.

Other Group feedback needs to be considered for the future.

- Have consistent color scheme
- My account should only appear after login
- Remove A B icons and replace with search and home button icons

Implementation on group feedback

Made the whole website have a similar colour schemes by defining colour in our main CSS file.

The accounts button only appearing after a saucerful login attempt was added in as a feature because it requires JS code.

The A B icons were also meant to be replaced by icons and will be done along with the icons for each volunteering group.

Settings Page - Finlay

The settings page gives the user access to manage their account details, password, and email settings. The page will also allow the user to customize their experience on the webpage via changing the color palette to their preference. The user will also be able to manage their joined groups, including setting email preferences on a per group basis.

Research:

The image contains two screenshots of profile pages. The top screenshot shows a 'Profile' page for 'Cassie Owens' with tabs for Profile, Tasks, Saved for later, Watches, Drafts, Network, and Settings. The 'Profile' tab is selected. Below the tabs are sections for 'Personal space' (with PROFILE and Picture options) and 'About Me' (containing a bio). The bottom screenshot shows a 'Profile' page for 'Joe Blogs' with tabs for Done, Profile, and Edit. The 'Profile' tab is selected, showing information like Primary email (@adelaide.edu.au) and Other email (@icloud.com). It also includes sections for Change Password, Push Notifications (which is turned on), Q&A Activity (which is turned on), and Careers Messages (which is turned on). A note at the bottom says: 'To get push notifications, make sure you enabled Piazza to send you push notification under Notifications in your phone's Settings.'

The above images show examples of how a profile page can be organized. The elements circled in red represent features or layouts that I aim to include in my own design. Below is a screenshot from discord, showing how it displays user information. I liked this layout so I am going to implement something similar for managing groups that users have joined. The examples I've outlined are good as they present information clearly in an easy to read format, reducing cognitive and kinetic load.

A screenshot of a discord 'Recent Members' table. The table has columns for NAME, MEMBER SINCE, JOINED DISCORD, JOIN METHOD, ROLES, and SIGNALS. The 'NAME' column lists various user icons. The 'MEMBER SINCE' column shows times like '1 day ago', '3 days ago', etc. The 'JOINED DISCORD' column shows times like '9 days ago', '24 days ago', etc. The 'JOIN METHOD' column shows 'xG', 'xC', etc. The 'ROLES' column shows roles like 'CDT' with a count of '+1'. The 'SIGNALS' column shows a small icon. There are also icons for sorting and pruning at the top right of the table.

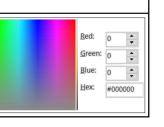
NAME	MEMBER SINCE	JOINED DISCORD	JOIN METHOD	ROLES	SIGNALS
L	1 day ago	9 days ago	xG	CDT +1	
C	3 days ago	24 days ago	xG	CDT +1	
C	3 days ago	2 years ago	xG	CDT +1	
C	11 days ago	8 months ago	xG	CDT +1	
S	12 days ago	2 years ago	xG		
C	12 days ago	12 days ago	xG	CDT +1	
S	18 days ago	1 year ago	xG		
C	19 days ago	4 months ago	xG	CDT +1	
C	21 days ago	1 year ago	xG	CDT +1	
C	21 days ago	3 years ago	xG		
C	22 days ago	3 years ago	xG	CDT +1	
K	28 days ago	2 years ago	xG		
C	1 month ago	3 months ago	xG	CDT +1	
C	1 month ago	2 years ago	xG	CDT +1	
C	1 month ago	1 month ago	xG	CDT +1	

Feature Plan

- Separate tabs for profile, general settings, and group management.
- Option for users to view and change:
 - Profile picture.
 - Name.
 - Date of birth.
 - About them.
 - Email.
 - Master email toggle.
 - Change password.
 - Change the color palette.
 - Browse groups.
 - Option to leave.
 - Option to toggle notifications for specific groups.
 - Request to make a new group.

Mockups

Profile	Settings	Manage Groups	
 <div style="text-align: center;"> <input type="button" value="Upload Profile Picture"/> </div> <p>Name: <input type="text" value="Joe Blogs"/></p> <p>Date of Birth: <input type="text" value="03"/> / <input type="text" value="June"/> / <input type="text" value="2002"/></p> <p>About me: <input type="text" value="I like trains!"/></p>			

Profile	Settings	Manage Groups	
<p>Email: <input type="text" value="joe.blogs@email.com"/></p> <p>Receive Email Notifications? <input checked="" type="checkbox"/></p> <p>Change Password</p> <p>New Password: <input type="password"/></p> <p>Repeat New Password: <input type="password"/></p> <p>Old Password: <input type="password"/></p> <p><small>Repeated password does not match!</small> <input type="button" value="Update Password"/></p> <p>Colours</p> <p>Background: <input type="color"/></p> <p>Text & Alt: <input type="color"/></p> <p>Button: <input type="color"/></p> <p>Selected: <input type="color"/></p> <p>Color palette: </p> <p>Red: <input type="text" value="0"/> Green: <input type="text" value="0"/> Blue: <input type="text" value="0"/> Hex: <input type="text" value="#000000"/></p>			

Profile	Settings	Manage Groups	
<p>Search Groups... <input type="button" value=""/></p> <p><input type="button" value="Request to Create a New Group"/></p> <div style="display: flex; justify-content: space-between;"> <div style="flex: 1;">  Trains R' Cool </div> <div style="flex: 1; text-align: right;"> <input type="button" value="Leave"/> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="flex: 1;">  How to: Door to Door Sales </div> <div style="flex: 1; text-align: right;"> <input type="button" value="Leave"/> </div> </div>			

The above mockups are to scale. To minimize cognitive load, the interactive elements are split into 'Profile', 'Settings', and 'Manage Groups' tabs to ensure things are easy to find. To minimize kinetic load, elements are laid out in a linear fashion, with related elements grouped together. Before the above mockups were compiled, the general design was brainstormed via a

whiteboard; unfortunately, the image of this work was lost after the above mockups were compiled.

Initially, the groups displayed on the Manage Groups tab spanned the entire width of the screen, this was reduced as it provided an unnecessary kinetic loading from having to travel the entire width of the screen to access related elements. The password error message in the Settings tab was originally the same color as the rest of the text, though has been made red so that it stands out more, reducing cognitive load.