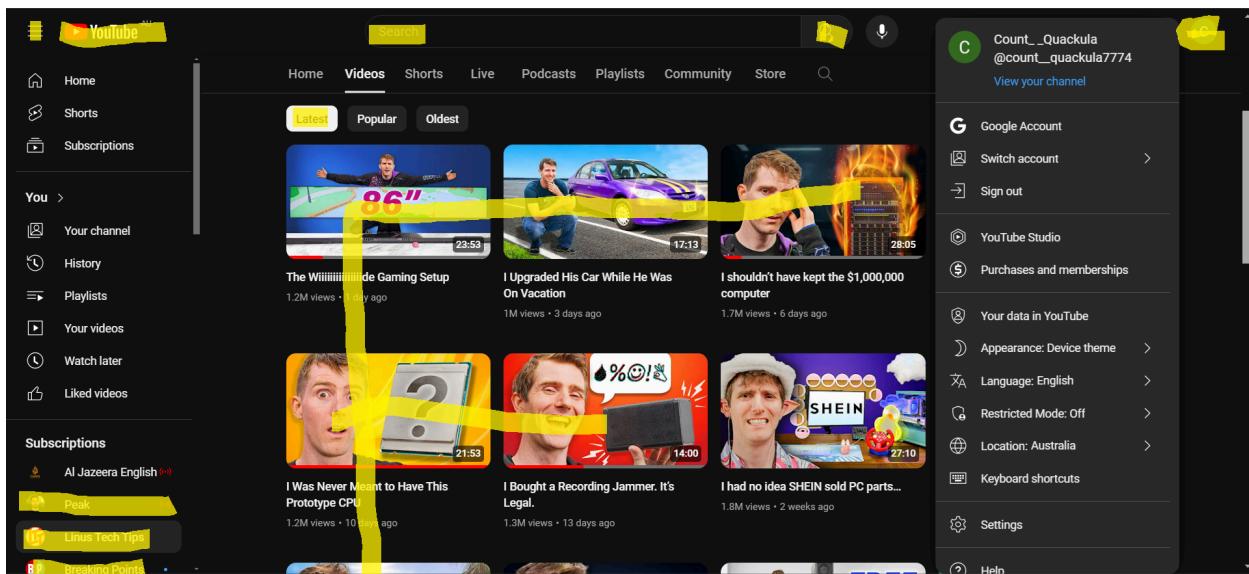


Introduction:

In this project, our goal is to develop a dynamic website for a charity organization that hosts a variety of events across its multiple branches. Through the website, users can effortlessly explore these events, RSVP, and stay updated with the latest information. Additionally, users have the option to register and become members, granting them access to branch-specific content, the ability to RSVP to events, and personalized homepages. Branch managers are responsible for curating event posts for their respective branches and overseeing RSVPs. Meanwhile, site administrators have the authority to establish new branch pages, assign managerial roles, and maintain administrative functions for optimal site management.

Feature Research:

1. Youtube:



Link: <https://www.youtube.com>

Style:

Use of sharp contrast using black on white or in dark mode white on black font. Also usage of simple block fonts which avoids any strain on users eyes when reading the text, also text is accompanied by images where possible. For example in the subscriptions section in the sidebar for each name there is an accompanying image for each subscription.

Structure:

Grid layout of videos, this style of presenting information is also present as a formatting layout in shopping sites. Could use a similar grid style layout for our site to present each update and post about the volunteer organisation instead of the traditional vertical format which would also help conform to the 'F' shape which users scan pages in allowing easier access to information on

more recent updates and older posts being read last.

Features:

User ability to log in the top right using google accounts which large amounts of site users already possess. Another feature present is a collapse side-bar button in the top right corner positioned next to a return to home button using the site logo and a search bar in the top centre of the site below which is a bar of popular and recommended topics.

2. Leetcode:

The screenshot shows the LeetCode homepage. At the top, there's a banner with the text "A New Way to Learn" and a "Start Learning" button. Below the banner, there's a section titled "Explore" with a sub-section "Developer". The "Developer" section features a code editor with Java, Python, and C++ tabs. The Java tab is active, displaying the following code:

```
1 * Definition for singly-linked list.
2 * class ListNode {
3 *     int val;
4 *     ListNode next;
5 *     ListNode(int x) { val = x; next = null; }
6 * }
7 *
8 */
9
10 void removeDuplicates(ListNode head) {
11     if(head == null || head.next == null) {
12         return head;
13     }
14 }
15
16 void printList(ListNode head) {
17     while(head != null) {
18         System.out.print(head.val + " ");
19         head = head.next;
20     }
21 }
```

To the right of the code editor, there's a "Playground" button and a sidebar with links to "Linked List", "Binary Tree", and "Fibonacci".

Link: <https://leetcode.com/>

Style:

The utilisation of simple, blocky and clean fonts against a sharply contrasted background enhances the user experience due to its increased legibility. The sizable font also further enhances the user experience due to its facilitation of comfortable readability.

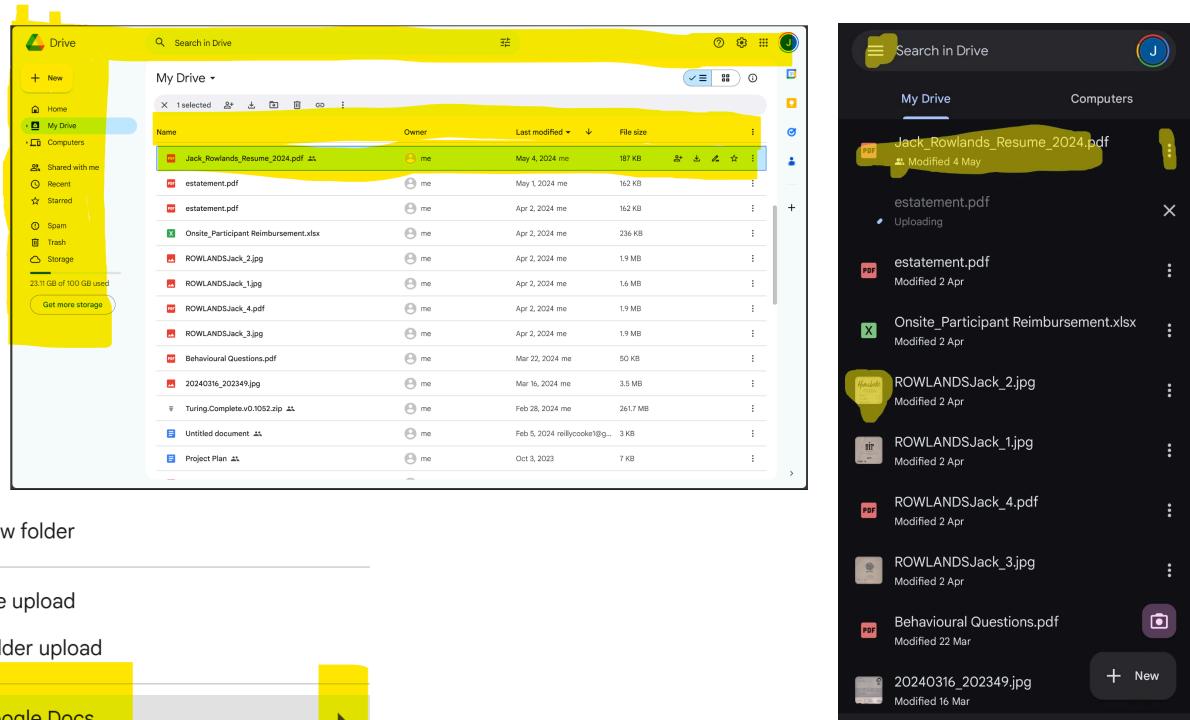
Structure:

The coupling of images, icons, symbols and strategic arrangement used to prompt the users about related text and enhances the user experience due to enabling faster scanning of the page.

Features:

Incorporation of a subtle ‘breathing’ effect helps stop the site landing page from feeling outdated or stagnant improving the user experience. The smart placement of user login options around various sections of the site landing improves the user experience by making it simpler and easier to access and manage user accounts. The complimentary addition of a sample of the site main function as a training tool for programming questions appended to the end of the landing pages sections on user logins enhances the user experience by offering an introduction to the site’s offerings.

3. Google Drive:



Style:

Google Drive uses a clean minimalist design. It has a white background with greys to distinguish the different sections. It also uses blue to make objects stand out, like the currently selected

item and alerts. It uses grey to show what the user is currently hovering over, which distinguishes it from selected items, while also indicating to the user where their cursor is. There are little distractions and it is very minimal. The item names are bolded, to increase their readability and so the eyes are drawn to them. It has different options for dark mode and light mode, increasing accessibility for users.

Layout:

The layout is structured mainly around a navigation sidebar, which splits up the main directories of the drive, like My Drive, Shared and Trash.

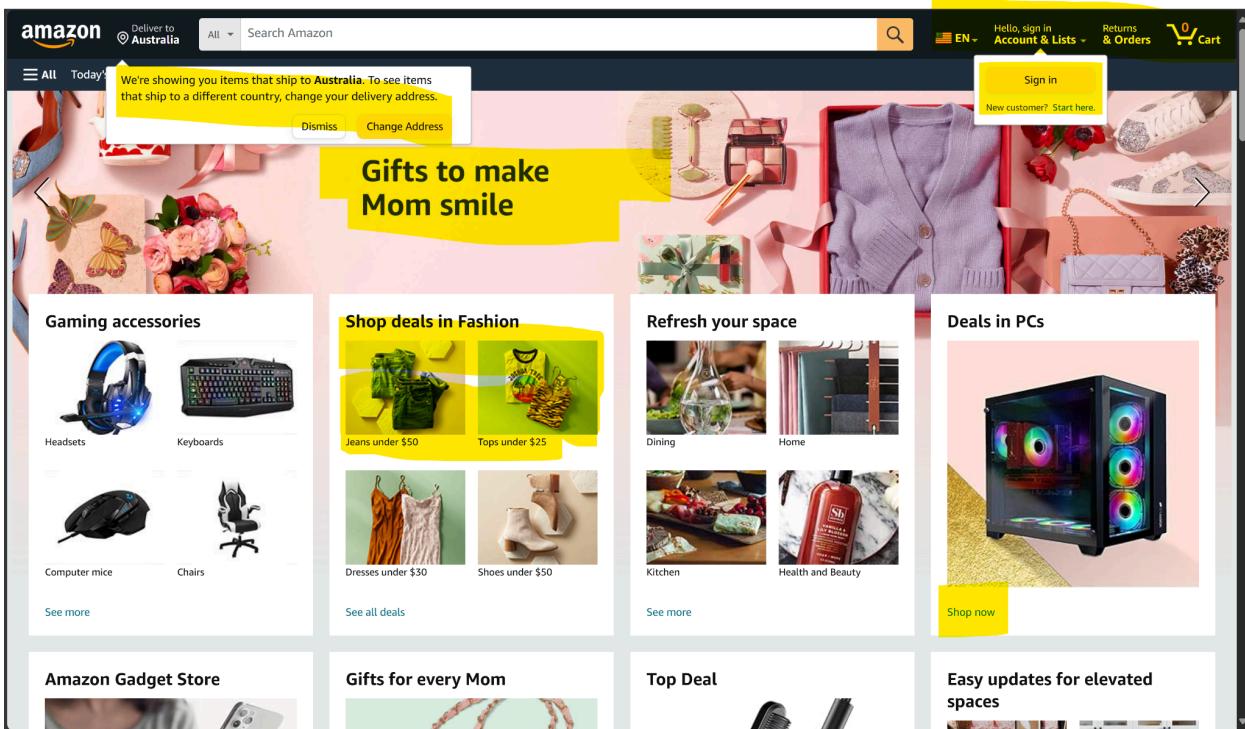
The main panel displays files and folders in a list view, with certain information about each file shown next to it. This allows for the list to be sorted intuitively by these attributes. The top also contains branding, a search bar and settings and account settings.

The mobile app has a very similar design to the web version, however some changes are made to suit the different platform such as streamlining the design, to hide features behind menus, reducing the clutter from the screen and changing buttons to make it easier to use with a touch screen.

Features:

Google Drive offers many different features such as creating new documents, spreadsheets, and presentations, file and folder uploading, and searching. It also allows for editing of attributes of the files, such as directories, sharing, and renaming. Another key feature is favoriting files, which allows for easy access to key files. It features keyboard shortcuts for efficient navigation and file management, which increases productivity for power users. Privacy permissions are also key, allowing for users to set sharing access from private, to sharing with specific users or links, to making it fully public, with different permissions like viewing, suggesting and full edit control.

4. Amazon:



Style:

Amazon uses a vibrant bright design which is highly engaging. There is a large amount of high-resolution images to capture the users' attention, to lead them towards products. It is generally light backgrounds with a darker navigation bar to differentiate it. The text is generally black on a white background, maintaining good contrast which increases readability significantly.

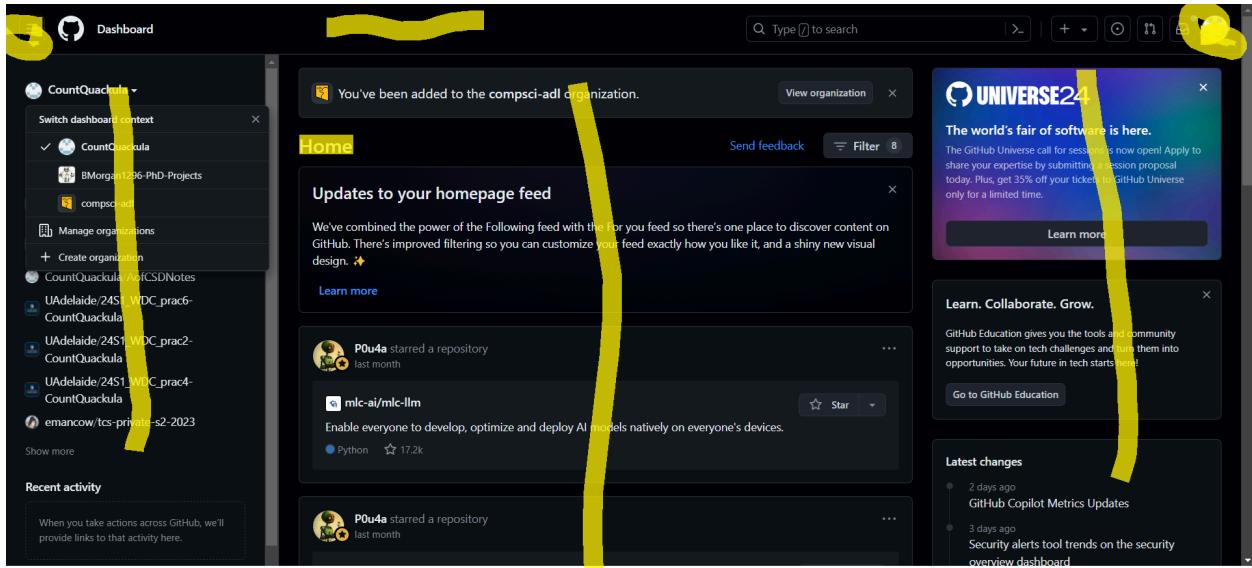
Structure:

The structure of Amazon's homepage is highly efficient, aimed at maximising product exposure and making it easy to navigate between pages. It features a top navigation bar which includes main categories, country, a large search bar, account and cart. Below this is a large header with images of a sale, being dynamic. The main area consists of a grid of several sections containing different product categories and deals, with bright vibrant images.

Features:

A key feature of Amazon is its personalisation. When signed in, the entire page contents will cater towards the specific user, showing relevant products and images which perform best. The search bar dynamically responds to the user typing, suggesting many different products in the form of autocomplete. The header on the homepage dynamically updates depending on current deals, represented by the mother's day sale promotion. There are specific pop-ups when loading onto the page to direct the user to select the correct shipping country and to log in.

5. Github:



Link: <https://github.com>

Style:

Style is default in dark mode due to the target users being specialists in programming with a preference for dark mode due to lessening eye-strain as well as sharp contrast between font and background as white on black.

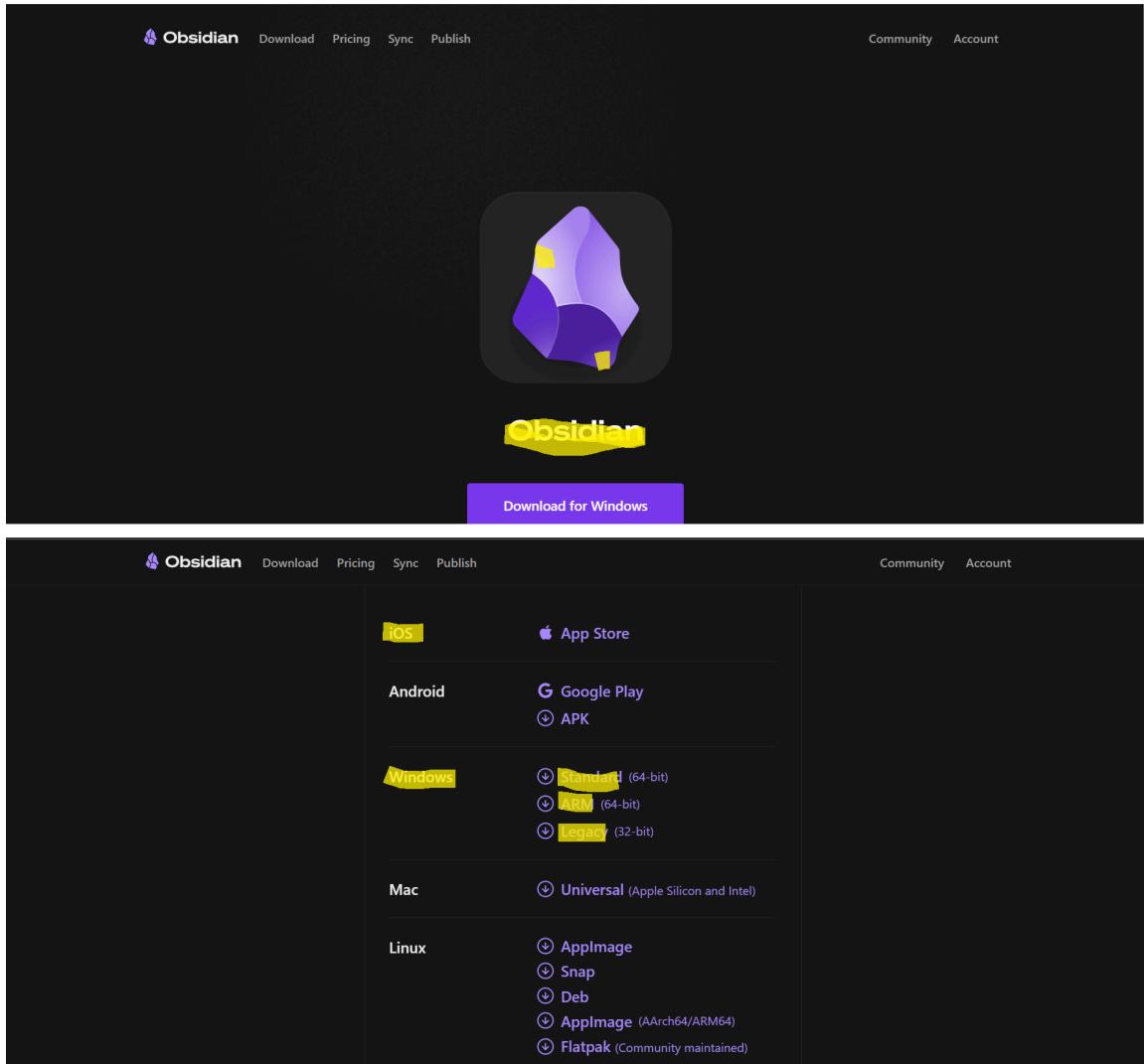
Structure:

Site is split into 2 pop-up menus on the left and right side as well as 3 primary columns. The primary columns are a sidebar for quick access to user posts, a central content area with main site updates from users posts to trending topics and friend activity and information as well as a tertiary column to the right of content showing site changes and updates.

Features:

Usage of 2 methods of returning to the landing page from buttons in the header, the first being a 'dashboard' text on a button and the second an icon of the site for catering to both preferences of users for homepage buttons. Presence of a side pop-out bar for user account management and a separate side bar containing frequently accessed user pages and main content area with large header. Also presence of search bar for users to search through their own uploads and ability to access basic site posting functionality from the home page near search bar.

6. Obsidian:



The image shows two screenshots of the Obsidian download page. The top screenshot is a mobile view with a dark background. It features the Obsidian logo (a purple rock icon) at the top left, followed by navigation links: Download, Pricing, Sync, Publish, Community, and Account. Below the logo is a large central button with the word "Obsidian" in yellow, which has a glowing effect. At the bottom is a purple "Download for Windows" button. The bottom screenshot is a desktop view with a white background. It has the same navigation links at the top. Below them is a table showing download links for various platforms. The table has two columns: platform name and download link. The platforms listed are iOS, Android, Windows, Mac, and Linux. Each platform row contains two links: one for the App Store/Google Play/APK and another for Universal/Architectural-specific links like AppImage, Snap, Deb, and Flatpak.

Platform	Downloads
iOS	App Store
Android	Google Play APK
Windows	Standard (64-bit) ARM (64-bit) Legacy (32-bit)
Mac	Universal (Apple Silicon and Intel)
Linux	AppImage Snap Deb AppImage (AArch64/ARM64) Flatpak (Community maintained)

Link: <https://obsidian.md/download>

Style:

Site has soft block text, large font size and high contrast against the background to increase UX.

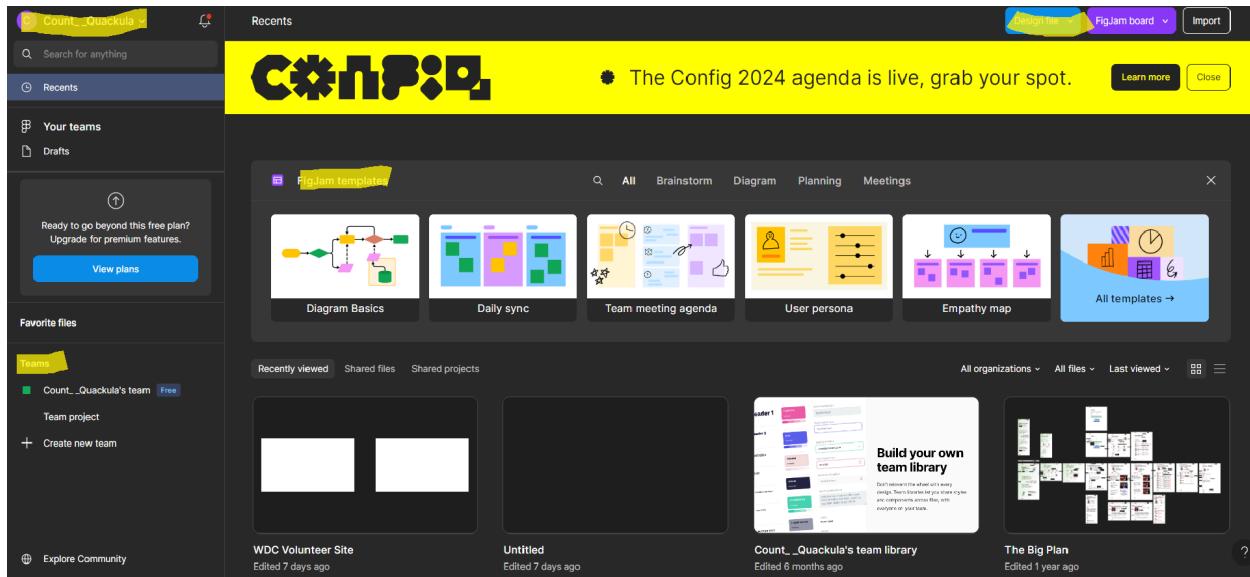
Structure:

The Central download button improves UX with a simpler UI that draws attention directly to the purpose of the page. Presentation of alternative installers for other OS platforms is sectioned off with individual hardware platforms for each OS being clearly labelled.

Features:

Presence of a dynamic download button which shows a light coming from the mouse toward the button and being reflected according to the geometry of the site logo.

7. Figma:



Link:

<https://www.figma.com/files/recents-and-sharing/recently-viewed?uid=1234113310087872641>

Style:

The presence of light coloured font on dark matte black background enhances the user experience due to improving the readability and accessibility of the sight both for users with difficulty seeing and colour blindness due to the contrasting colours being polar opposites.

Structure:

The site being structured in a similar fashion to Youtube and similar leading platforms leads to an easily accessible UI and enhanced UX as the site can be scanned similarly to the industry standards and in the 'F' pattern. This alongside the other standard structure of search and user management utilities in the top header bar and more individual-specific features or saved states for the user in the left-sidebar also enhance the user experience.

Features:

The site utilises features like a grid layout of relevant templates serving the user with densely packed information regarding the main site function, designing UI. This grid layout and combined with the side-bar full of further user management regarding pending projects and designs helps improve accessibility by keeping the main site functions easily user accessible and results in enhanced user experience.

8. MyUni:

The screenshot shows the MyUni dashboard. At the top, there are two notifications: one about submitting assignments and another about enrolling in Turnitin's Originality Checker Course. Below these, a search bar is followed by a section titled 'Dashboard' which lists enrolled courses. The courses shown are 'Design Thinking Problems to Practice', 'Algorithm Design & Data Structures', and 'International Student Support'. Each course entry includes a thumbnail image, the course name, and a link.

Link: <https://myuni.adelaide.edu.au/>

Recent announcements

- | | | |
|--|--|---------------------------------|
| | Week 10: No Monday Lecture
Dear All,The next lecture w... | Posted on: 10 May 2024 at 15:53 |
| | Week 9: No Monday lecture
Dear All,The next lecture ... | Posted on: 30 Apr 2024 at 12:59 |
| | Week 8: No Wednesday Lecture
Hi All, There will be no lec... | Posted on: 25 Apr 2024 at 14:33 |

Style:

MyUni showcases a visually appealing design that highlights the heritage of UniAdelaide. The combination of midnight blue and powder blue against a white background creates a soothing visual effect, giving a comforting appearance to the webpage (as depicted in the image below). This color scheme could be a suitable option for our website, as volunteer organizations typically aim for soothing and welcoming colors. Within the dashboard tab, a diverse array of images corresponding to each subject effectively communicates the essence of the course content. While having a progressive web app is a great feature for any website, I personally found the mobile experience of this website lacking due to the poor font choice and alignment of the date, as shown in the picture below.

Structure:

The webpage is clearly organized into multiple tabs, offering enhanced functionality and smoothly integrating pop-up windows into a single page. A vertical column positioned on the left side provides effortless navigation to various sections of the MyUni account. However, I believe a horizontal column at the top would be more appealing for our homepage. A search bar located at the top right of the dashboard section provides students with quick and easy access to subjects. Important notifications are displayed at the top of the webpage, effectively catching the eye of users and keeping them updated about new course enrollments or assignment assistance opportunities. This ensures students are promptly informed of any updates

Features:

The website offers a plethora of features tailored to meet student needs. While a handy to-do list positioned on the right side of the webpage keeps students informed about upcoming submissions and deadlines, this feature may not be relevant from our website's perspective. The website's performance is optimal, with no delays in operation; it starts instantly when students sign in, showing excellent database optimization techniques implemented by the developers. Tooltip functionality has been integrated to reduce cognitive load by providing concise and targeted information, making it a sure fit for our website. Additionally, a feedback tab is displayed on the bottom right of the webpage, showcasing all recent grade releases.

9. Udemy:

The screenshot shows the Udemy homepage. At the top left is a testimonial from Jim Hemgen, Principal at Booz Allen Hamilton, with a small photo of him. Below the testimonial is a navigation bar with links for Udemy Business, Careers, Terms, and English language selection. The main content area features a course card for 'The Complete 2024 Web Development Bootcamp' by Angela Yu, which is a bestseller with 7.7 stars and 575,690 reviews. The course price is \$64.99. To the right of this card is another course card for 'Learn Python From Zero to Hero'.

Link: <https://www.udemy.com/>

Style:

The sleek style of Udemy reflects its brand identity as a leading e-learning platform. Vibrant colors, dynamic images, and engaging visuals, communicates well the platform's mission to empower learners worldwide. However, this vibrant style may not be relevant to our website, as voluntary organizations typically have lighter colours. The UI design of Udemy is intuitive and user-friendly, with clear buttons highlighted in neutral colors (black and white or vice versa). This style could be suitable for our website, as we would need buttons to navigate between different webpages, and neutral colors fits our needs well. Some interactive elements, like the hover effect on the course images, provide users with a brief description. However, the pop-up covers the image of the course beside it, limiting the user's ability to compare two features. The position of the pop-up could be improved (as shown in the image)

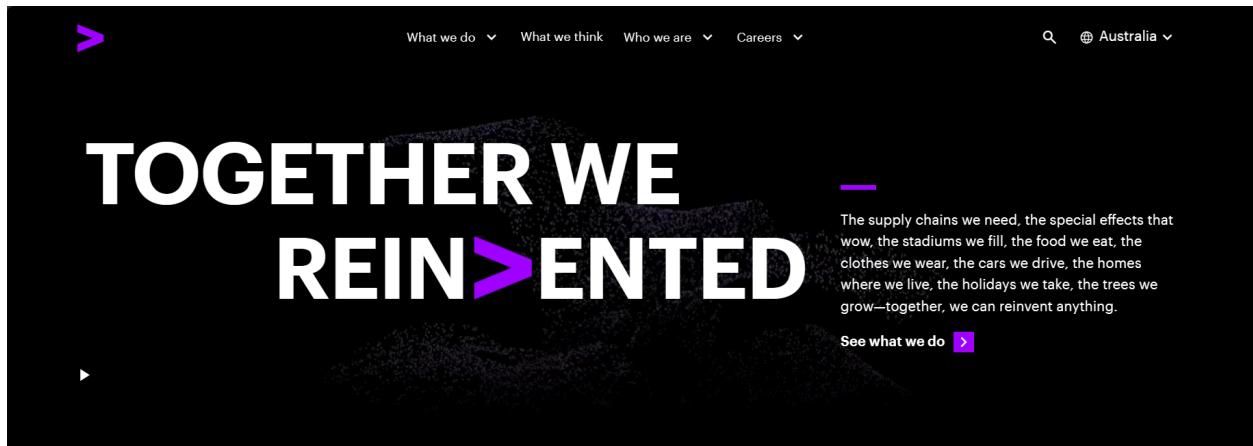
Structure:

At the top of the webpage, there's a Udemy logo, navigation bar, and options to sign up or sign in. Additionally, there are tabs for teaching and Udemy for Business. Below this, there's an animated banner showcasing featured events or special courses, along with an eye-catching call-to-action button. Udemy has categorized all courses into various categories, displayed as clickable lists of elements, which would be beneficial for our website to use when switching branches. Finally, the footer of the webpage features customer stories presented in both bold and normal text formats, accompanied by customer photos, a clever idea to demonstrate the brand's credibility.

Features:

Udemy offers a robust search functionality, allowing users to access various sections of the site, such as browsing courses, exploring trending topics, accessing best sellers, and managing their account information. When viewing a specific course, a navigation bar at the top of the page enables users to easily navigate through different sections of the course, including Q&A, workshops, tutorials, and more. This feature aligns perfectly with our website's needs, as having the navigation bar at the top contributes to a more organized appearance. Additionally, the bottom of the webpage includes links to terms of service, contact information, cookie settings, and careers, which are common features found on many websites, and we will be implementing them on our website as well.

10. Accenture:



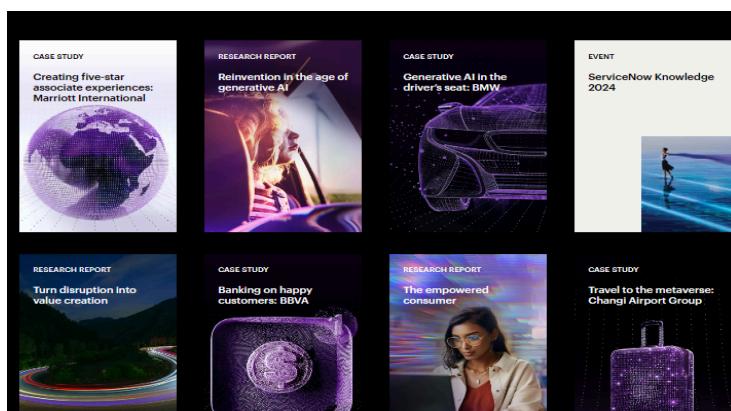
Link: <https://www.accenture.com/au-en>

Style:

Accenture's website employs a sleek and minimalist design that immediately grabs the viewer's attention with its captivating title. The choice of a black background paired with crisp white text not only imparts a sophisticated aesthetic but also ensures optimal readability. While the dark backdrop may not suit every organization, the strategic use of contrasting colors merits recognition for enhancing viewer engagement. Additionally, the incorporation of the company's signature color scheme throughout the website fosters a sense of brand familiarity and cohesion.

Structure:

The website's structural layout is intuitive and user-friendly, featuring a convenient dashboard at the top for easy navigation—a common design element in modern websites. As visitors scroll down, they are presented with a compelling overview of the company's achievements, followed by comprehensive insights into its operations, culture, and recent developments. This hierarchical structure effectively provides visitors with a succinct yet informative introduction to the company. While this framework serves as an excellent model, it's crucial for our volunteer organization to tailor our layout to accommodate the diverse informational needs of our users across different branches.

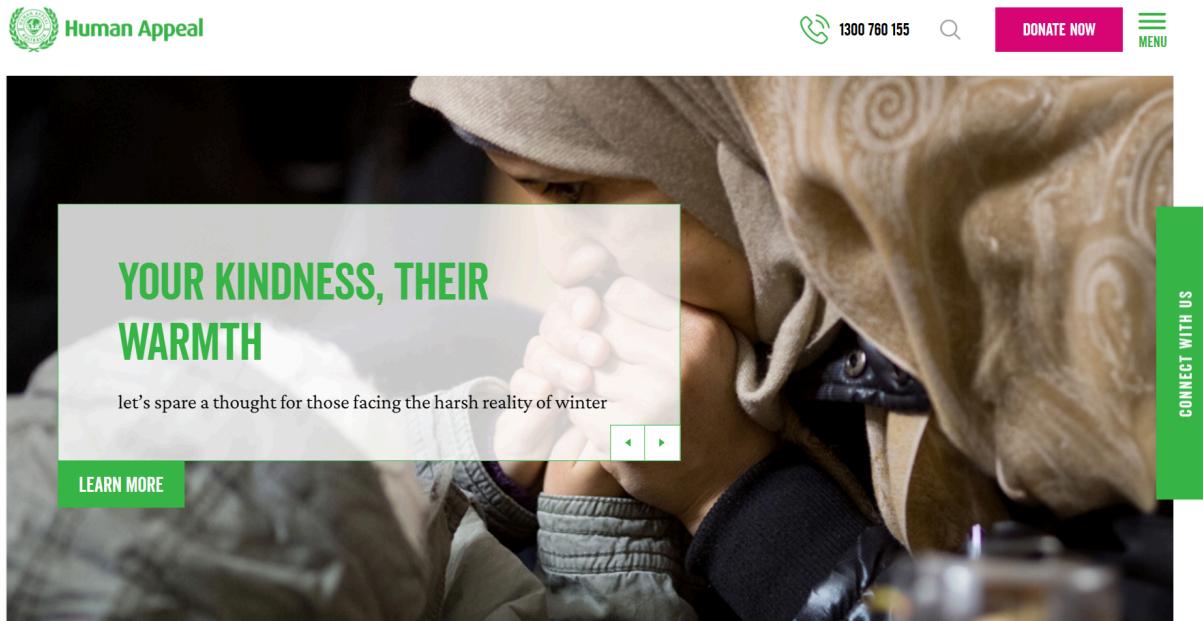


Features:

A prominent feature of Accenture's homepage is the showcase of its notable accomplishments, which serves to bolster the company's credibility. Each success story is well presented, with interactive elements that engage users upon hovering, adding an element of dynamism to the browsing experience. Emulating this approach for our volunteer organization's website would help in

establishing our credibility and showcasing our achievements effectively. Incorporating such interactive elements can elevate user engagement and contribute to a more immersive online presence.

11. Human Appeal:



Link: <https://www.humanappeal.org.au>

Style:

Human Appeal adopts a clean aesthetic with a white background complemented by green accents, a choice that resonates with the organization's mission and values. The symbolism of green, representing growth and harmony, aligns well with the values of a charity organization. However, the overall style of the website appears dated when compared to modern design standards. The absence of interactive elements and engaging content takes away from its visual appeal. This highlights the importance of integrating interactive features to enhance user experience and ensure our website meets modern expectations.

Structure:

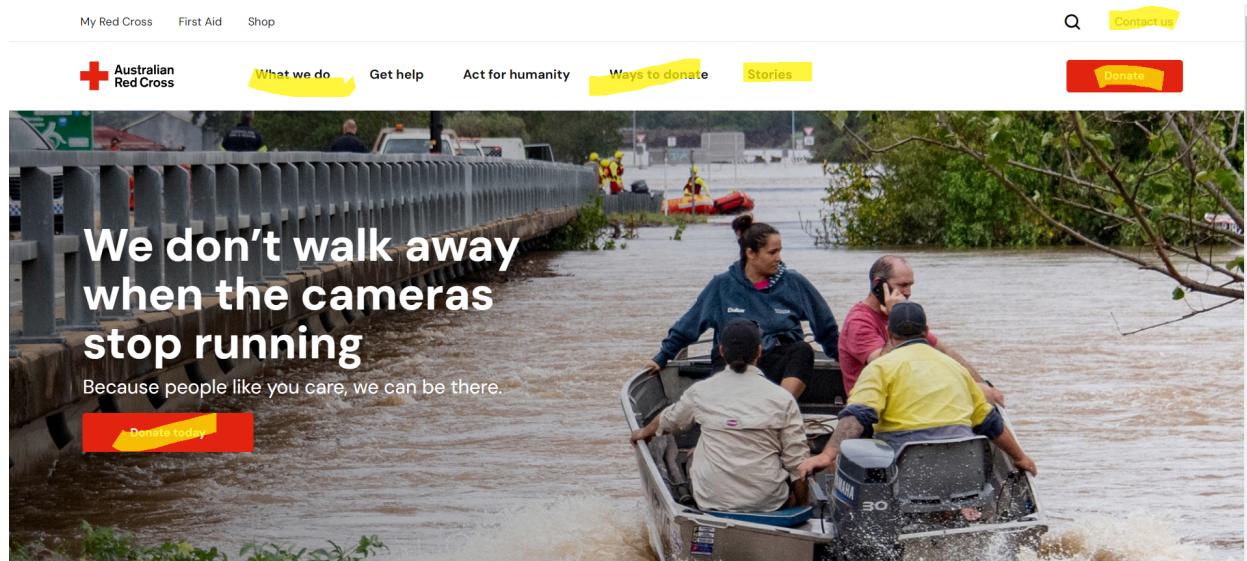
The website's structure is well-organized, beginning with a prominent slideshow showcasing current donation campaigns, providing visitors with immediate insight into ongoing initiatives. Additionally, there is a section dedicated to donation opportunities which are open year-round. The inclusion of a "Why Donate?" segment, accompanied by a world map highlighting Human Appeal's global reach, adds depth to the organization's message. While the world map serves as a great visual, including some success stories and interactive elements along with the "Why Donate?" section could significantly amplify its impact. The presence of a latest news section also ensures visitors stay informed about recent developments and initiatives.

Features:

Human Appeal incorporates a "Connect with Us" popup on the right side of the pages, facilitating easy communication between the organization and potential donors, which is a

crucial aspect for charity organizations. While such a popup may not be necessary for our website, the key takeaway from this is that easily accessible contact options can enhance user engagement, especially in charity organisations. Beyond this feature, the website lacks standout elements, contributing to its relatively bland impression. Moving forward, our website should prioritize implementing features that enhance interactivity and user engagement, ensuring a more dynamic and immersive user experience.

Redcross:



Link: <https://www.redcross.org.au/>

Style:

The usage of simple style with black and white and highlighting important (specifically donation) buttons using the only colour on the page is a good feature. Further it stylistically draws user attention to the main purpose of the site and immediately clues the user in that the page is for a charity organisation. Another stylistic choice that is useful in this site is the usage of a site logo to help users determine the navigation button to return to the home page.

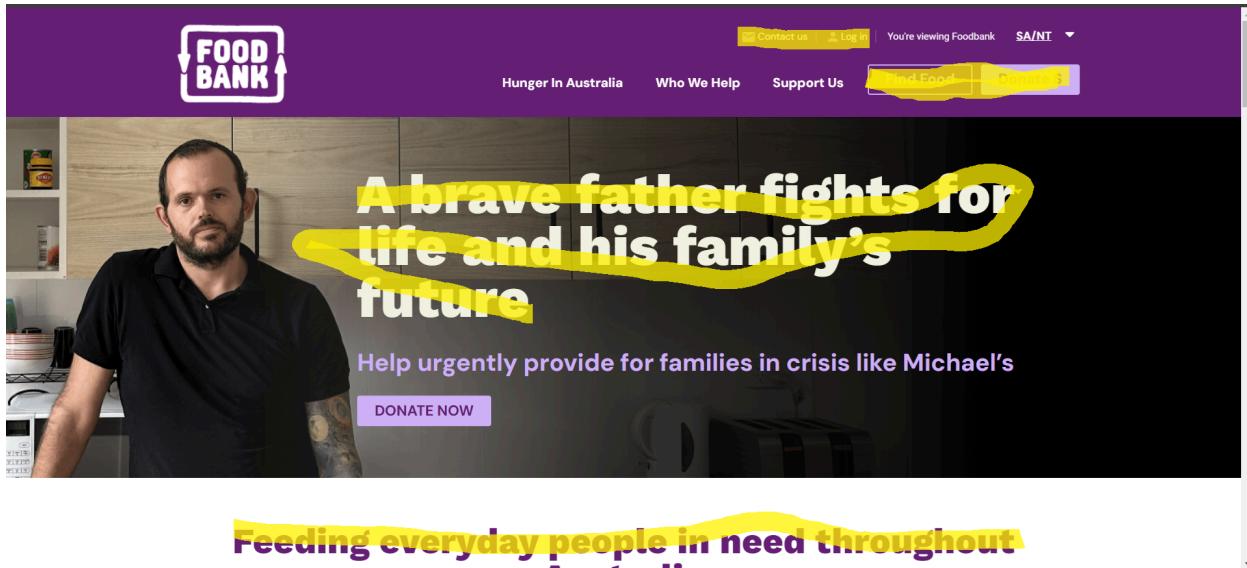
Structure:

The site structure is simplistic and clean, giving the user a more visual experience and clues initially rather than being bombarded with information and the presence of a powerful slogan to show the user about the charity's efficacy and sincerity.

Features:

Another feature present on this site that would be useful to implement in code is a search bar, however this may take some effort and have to be a step delayed till later in the developmental process so a clearer outline of how to access sources to Search is visible.

Foodbank:



Link: <https://www.foodbank.org.au/?state=sa>

Style:

The usage of a large piece of text centred on the page delivers two important things, who the site is about and what they do. Further the inclusion of the top line of a paragraph of text tempts the user into wanting to complete the sentence and read on, finding out more about the organisation and their mission.

Structure:

The site is structured to give more precedence to the message and point of the organisation than navigation hence the drastic difference in text size when in the main section of the site or in the header. Further the site is structured as typically expected with navigation in the top, specifically a homepage button in the top left in the form of the site logo and name.

Features:

Useful features from the foodbank site include the extensive and not very deeply hidden navigation possible through the site using the default header navigation bar, which limits the cognitive and kinematic load on a user due to its simplicity and directness.

Feature Table:

Feature	User clearance	How to implement
User login	All	A persistent user login button is present in the header for each site page which leads to a separate page for filling in user login details and sends the form using AJAX to the server after client-side validation. There the server validates the user login details against the database records to confirm if the account exists and details are valid then stores the login status of the user on the session token and sends if login successful or failed to client machine for user to be availed.
User sign up (using Google or manual with verification available)	All	Allow user to sign up using either google authentication which combines multiple accounts like google, github and so on or allow user to input email and set password and receive email confirmation of account registration and a verification email which upon acceptance will result in account being registered and stored in the SQL database in a new user account.
Change username (First, Last)	All	User navigates to the user account management page from the header or side menu bar present on the site pages and fills in a form and clicks submit which results in client side validation and a http post request to the server where the server scans the present fields and modifies the database to store the new user details after checking the users login status
Change user email	All	User navigates to the user account management page from the header or side menu bar present on the site pages and fills in a form and clicks submit which results in client side validation and a http post request to the server where the server scans the present fields and modifies the database to store the new user details after checking the users login status
Change user password (Signed-in)	All	User navigates to the user account management page from the header or side menu bar present on the site pages and fills in a form and clicks submit which results in client side validation and a http post request to the server where the server scans the present fields and modifies the database to store the new user details after checking the users login status
Forgot	All	Will be an option on the login page.

Password		<p>It will ask for an email or username. It will check if it is a valid account.</p> <p>It will then send an email to the email registered to the account with an uniquely generated link (using some non-sequential pattern) with a timeout of a specific length.</p> <p>It will record in the DB the current time when the email was sent.</p> <p>When the user clicks the length, the specific path will correspond to their account.</p> <p>Check DB for the time of the email, to make sure it is still valid.</p> <p>User inputs and confirms their password.</p> <p>The password is then changed in the database (Hash of Password).</p>
Change Contact Number	All	User navigates to the user account management page from the header or side menu bar present on the site pages and fills in a form and clicks submit which results in client side validation and a http post request to the server where the server scans the present fields and modifies the database to store the new user details after checking the users login status
Join a branch of the organisation	All	User navigates to the individual branch page (the template for branch pages filled with the information of a specific branch) and selects a 'join now' or similar button on the site page. This results in the client sending a post request to the server containing the branch name and other branch details as needed. The server then confirms the user is logged in and proceeds to write a DB query adding the user to the appropriate tables as a member of the branch. If the user is not logged in the server immediately sends a failed response to the client which then informs the user to sign in or create an account before proceeding or if successful the user sees a success message. In case of users already being signed up to a particular branch they receive an already signed in message.
User can see updates from joined branches	All (logged in)	Users will see a section on the main page before a 'recent stories' section. The initial section is filled with the recent updates posted by branches the user has joined in a grid fashion. This is achieved by sending the server a get request on loading the main page which the server replies to with either an array of messages to display from the logged in users details being queried in the DB or the server replies with an empty message and the client loads them appropriately in the grid.
Users can RSVP to events	All	Users will see a button to RSVP to an event loaded when viewing events on a branch page or individual events on a dedicated events rendering page containing more text than the branch page displaying blurbs of each event for that branch. When the user clicks the RSVP button from their page it results in the server receiving a POST request which it loads into the Db unless already present. Then replies either as success or already RSVP'd to the client machine which displays the

		information to the user.
Use grid layout instead of vertical scrolling list	All	Will probably use CSS to get grid formatting using 'grid' or similar techniques for displaying branch and update, event, RSVP etc info on as many pages as applicable (e.g. admin view and manage users page exempt due to needing row wise data for each user)
Sidebar menu, collapsable. Will contain main traversal to user specific pages and controls	All	Side bar on the right side which contains up to 3 individual page links, from top to bottom user management, manager management, admin management. These buttons will be conditionally rendered dependent upon if the logged in user is of the correct 'clearance' to access those pages. Further if a user attempts to load the pages by annually typing in the URL the routing software will reply with an appropriate page when the routes detect the user is not signed in to a sufficiently privileged account.
Search bar, present on select pages	All	A search bar present in the header of every page that queries the DB using the user input string for matching phrases etc (recall you can search DB using the 'LIKE' for similar strings)
Add some dynamic aspect	All	Possibly a reflection effect similar to the obsidian download page or a breathing effect like on the leetcode landing page or something similar to break up the static feeling of a typical web page
Drop down menus	All	Needed on the main page and some other pages to allow precise navigation, will allow grouping of similar pages into a single drop-down menu which can then be used for easier navigation and increased accessibility. Can find documentation here: https://www.w3schools.com/css/css_dropdowns.asp
Send update Emails	Users	Upon the server being triggered by an event (manager adding a new event) the server route loads the relevant event info from the DB including email addresses of branch members for the event and sends out the automated emails using the relevant gmail API. relevant documentation: https://developers.google.com/gmail/api/guides/sending Upon the server receiving a POST request for a branch it will simultaneously query the DB to check which users have joined that branch and send off the emails to update those users after storing the new updated information in the DB. Specifics is upon client machine (manager) submitting a form for the management page the client side sends a post request to the server where the server first

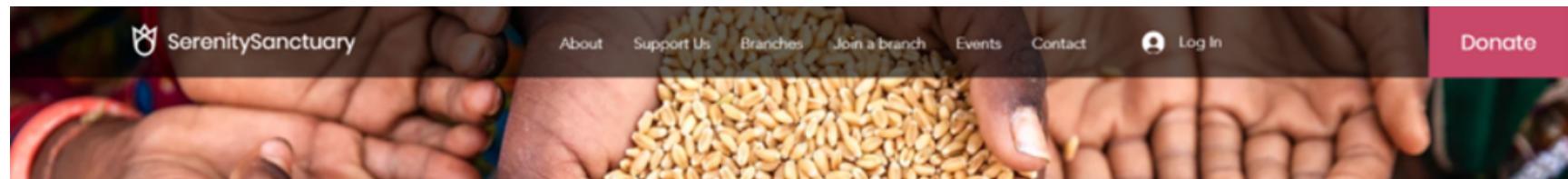
		verifies the user and information then updates the DB to contain the update from the manager. Then the server queries the DB to find all users signed up to updates for the branch corresponding to the manager and queries their email and uses the same API as verification emails.
Create and update events	Managers	This button will be displayed on the manager window once they have completed the authentication and signed in from the home page. The client side validation will check if the data entered by the manager is valid and correct. Once validated, an AJAX request will be sent out to the server which will handle authentication, data validation and database interactions with MySQL. Endpoints will be established to process requests and store event information securely. Finally, the response will be presented to the manager in the form of updated UI elements.
See who has RSVP'd for an event	Managers	First, the database will store the record of all the users who have registered for the event. It will store details of event ID, user ID and RSVP status. A server side endpoint will be created to handle the requests sent based on the event ID. Access to this endpoint will be restricted to managers. AJAX requests will be used to fetch the data dynamically and will be presented in the form of list to the managers.
Post updates both privately and publicly	Managers	Manage accounts have ability to send POST request to server from client side "manager" user account management page which causes a DB query to store the new branch specific update but also the status of the message (private by default) and otherwise public when manager manually ops in. Then when posts for each branch retrieved depending on clearance of user retrieving them and if the user has joined that branch they will be returned that specific update, similar applies for any emails sent out by public/private postings only however since only joined branch members get emails all posts by default will trigger an email update to them.
View branch members	Managers	Query the DB for all members of a specific branch and return a list as well as their attributes. Display this information in a sortable table, allowing for the sorting and filtering based on the different attributes. This could probably be done client-side, unless there is a large number of members within the branch - have to split into pages of 50 -> Like Google Drive
Add Branches	Admin	Add a new branch to the DB from a template. Update the web pages and add in routes to reflect the new branch.
Delete Branches	Admin	Confirm the deletion. Delete all the branch's information from the DB. - Instead of deleting, could store for 30 days

		allowing for restoration. Update the webpages and routes to reflect the deletion.
Set Manager of Branch	Admin	In the users DB - update the selected users manager attribute / In the branch DB - update the selected users manager attribute (NOTE: Unsure of which way we are going to set managers, depends on what is easier for perms and stuff)
Portrait Mode(Mobile)	All	The overall formatting of some pages must be changed to increase usability for touchscreens. Do it like google drive, where there is hamburger which hide specific links or information until the user clicks on the icon, to declutter.

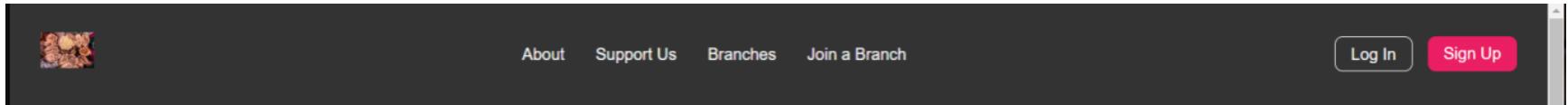
Review of Designs:

- In the website header, we replaced the 'Donate' button with 'Signup' to better align with the website's objective of user participation in various posted events. By placing a 'Signup' button along with the 'Login' button, we aimed to reduce both kinematic and cognitive load for users. This design makes it easier for users by eliminating the choice to hover over the login page to access the signup option, providing direct access to the signup page upon visiting. This streamlined approach reduces the user's effort to create an account, enhancing the overall user experience.

Initial Header Design:

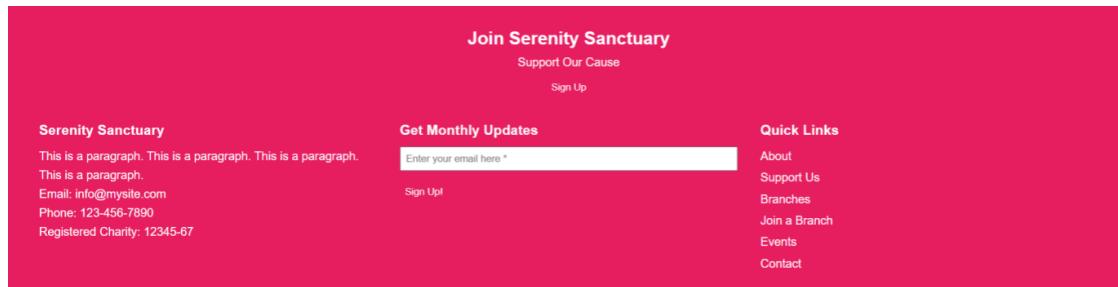


Final Header Design:



- We decided to streamline our website's header by removing the 'Events' and 'Contact' buttons, a decision rooted in enhancing user experience by reducing cognitive load. Too many competing buttons can overwhelm users, diverting their attention from the most important information or actions. Moreover, the contact information was already present in the footer, which rendered the inclusion of a 'Contact' button in the header redundant. Similarly, we found that the functionality of the 'Events' button largely overlapped with that of the 'Branches' page. Given that the 'Branches' page encompasses all features of the 'Events' page, maintaining both buttons seemed unnecessary and potentially confusing for users. Thus, eliminating the 'Events' button not only streamlined navigation but also eased cognitive burden, ensuring a more seamless browsing experience. (The image for the contact and events button in the older version can be seen above)

Final Footer Design:



- Each of our organization's branches is represented on its own dedicated page, showcasing branch-specific information alongside the latest events and posts relevant to each location. To improve visibility and user experience, we implemented color features and hover effects on posts. Initially, our design included an image feature where creators could upload visuals relevant to their posts. While this added visual appeal, we made the decision to remove it. Storing numerous images for each post would strain our database unnecessarily and add to cognitive load. Furthermore, we optimized individual update dimensions, reducing both height and width to minimize kinematic load for smoother navigation. We also changed the color black to a green color as it was more visually appealing for this context.

Initial Branch Page Design:

The initial branch page design features a dark header with the text "Latest Updates". Below it is a grid of three posts. Each post includes a placeholder image, a user profile picture, a timestamp, and a truncated title. The main content area contains placeholder text and a "View" button.

- Title Post**
Event Time: 21:30 16/05/2024
Event: Event occurring at Math Lovers University of Adelaide
Contact: example_manager_branch@gmail.com
- Title Post**
Event Time: 21:30 16/05/2024
Event: Event occurring at Math Lovers University of Adelaide
Contact: example_manager_branch@gmail.com
- Title Post**
Event Time: 21:30 16/05/2024
Event: Event occurring at Math Lovers University of Adelaide
Contact: example_manager_branch@gmail.com

Final Branch Page Design:

The final branch page design has a clean, modern look. It includes a top navigation bar with links for "About", "Support Us", "Branches", "Join a Branch", "Log In", and "Sign Up". A large green header section titled "Latest News" is followed by a list of posts. Each post is displayed in a separate card with a thumbnail, user info, title, event details, and contact information. A sidebar on the right contains sections for "Join Serenity Sanctuary", "Get Monthly Updates", and "Quick Links".

- Title 1, most recent post**
Event Time: 21:30 16/05/2024
Event: Event occurring at Math Lovers University of Adelaide
Contact: example_manager_branch@gmail.com
- Title 2, second most recent post**
Event Time: 21:30 16/05/2024
Event: Event occurring at Math Lovers University of Adelaide
Contact: example_manager_branch@gmail.com
- Title 3, third most recent post**
Event Time: 21:30 16/05/2024
Event: Event occurring at Math Lovers University of Adelaide
Contact: example_manager_branch@gmail.com

- Our login forms prioritize simplicity and user convenience by only requesting essential information: email and password. Users also have the option to sign in using Google, streamlining authentication. To ensure a seamless user experience, we minimize input fields and integrate convenient login options, maintaining high standards of usability and security. However, during initial sign-up, users are required to provide additional information to match them with their nearest branches, resulting in extra fields. Initially, all fields were placed in a single column, creating a visually unappealing, lengthy form. To address this,

we adopted a two-column layout, allowing all fields to be visible on one screen without scrolling, reducing kinematic load and enhancing the sign-up experience.

Login Form Design:

Log In

New to this site? [Sign Up](#)

Email

Password

[Forgot password?](#)

[Log In](#)

or log in with



Initial Sign up Form:

Sign Up

First name

Last name

Email

Password

Phone

Street Address

City

Region/State/Province

Postal / Zip code

[Submit](#)

Final Sign up Form:

Sign Up

First name

Last name

Email

Password

Phone

Street Address

City

Region/State/Province

Postal / Zip code

Already a member? [Log In](#)

[Submit](#)

Thanks for submitting!

For the remaining webpages the justifications for not changing them are as follows:

Homepage:

- The homepage utilises a simple design of spaced apart elements with large easily readable fonts due to size and contrast against their backgrounds. This is also helpful for reducing kinematic load atop cognitive as the grouping of updates from branches the user can RSVP to makes understanding the page layout simpler and navigating to desired resources simpler due to the large area they cover meaning less precision and hence cognitive and kinematic load is placed upon the user.

About:

- The about page kept its original design due to its simplicity and hence lowered cognitive load compared to alternatives that are more dynamic and could distract the user from paying full focus to the information they are being presented. Also the current page utilises semantic HTML tags to aid software that users may be using such as screen readers. Further the kinematic load of the page is decreased by the lack of buttons and interactables meaning the user can focus more energy on reading and understanding as the page was intended when designed.

Support Us:

- The page is greatly usable due to the high contrast and large font sizes as well as spacing between elements helping clearly bunch elements by similarity. This remained unchanged due to the nature of the page being to convey information to the user.

Join Branch:

- The join a branch page was left unchanged due to the simple nature meaning a low cognitive load and the large elements on the page reduce kinematic load. This was left as is due to the simple function of the page and code implementations to follow for checking user privileges when attempting to join a branch.

Log-In:

- The login page was left simple to avoid cognitive load being unnecessarily increased on the user as well as reducing kinematic load by having large and easily clickable buttons. Cognitive load is further reduced by the page layout being in the industry standard format of simple email and password to verify user identity or use google as a sign in method if the user has a google account.

Settings:

- We decided to follow the original design due to it being a net decrease in the cognitive load at the marginal expense of kinematic load. The final implementation of the header nav bar will include some JS to disappear the login and signup buttons when the user is signed in and display a settings button there instead. In this scenario the user can find account settings in a familiar location due to the industry standard practice of having the settings in the top right near normally a drop down for account management which we forgo. This results in less cognitive load on the user when looking for settings as they don't have to dig through the settings drop down to find the link to a settings page and further reduces cognitive load as the user will only have simple forms to fill in account details and change them as required by the identified features.

Rubric:

Project Milestone 1 Rubric

Criteria	Ratings					Pts
This criterion is linked to a learning outcome Research	15 to >12.7 Pts HD You've found several examples each of style, structure & features that they can build on. Detailed justification/discussion is provided for these examples.	12.7 to >11.2 Pts D You've found 1-2 examples each of style, structure & elements that they can build on. Brief justification/discussion is provided for these examples.	11.2 to >9.7 Pts C You've found several examples of either style, structure or elements that they can build on. Justification/discussion is present but limited.	9.7 to >7.5 Pts P You've found 1-2 examples of either style, structure or elements that they can build on. Justification/discussion is absent or limited.	7.5 to >0 Pts Not Met Research lacks useful detail or not present.	15 pts

<p>This criterion is linked to a learning outcome</p> <p>Design</p>	<p>15 to >12.7 Pts</p> <p>HD</p> <p>You've provided a detailed, clearly labelled and dimensioned mockup of the main page(s) of your site. User interactions are clearly broken down, accompanied by further mockups where necessary. Clear justification/discussion is provided for these decisions and reflects the research undertaken where applicable.</p>	<p>12.7 to >11.2 Pts</p> <p>D</p> <p>You've provided a mockup, that's generally clear, of the main page(s) of your site. User interactions are broken down, and may be accompanied by further mockups where essential. Some justification/discussion is provided for these decisions and reflects the research undertaken where applicable.</p>	<p>11.2 to >9.7 Pts</p> <p>C</p> <p>You've provided a labelled mockup of the main page(s) of your site. User interactions are broken down. The design reflects the research undertaken where applicable.</p>	<p>9.7 to >7.5 Pts</p> <p>P</p> <p>You've provided a labelled mockup of the main page of your site. Basic User interactions are broken down but lacking detail. The design may not reflect any research undertaken.</p>	<p>7.5 to >0 Pts</p> <p>Not Met</p> <p>Design lacks useful detail or not present.</p>	<p>15 pts</p>
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<p>This criterion is linked to a learning outcome</p> <p>Features</p>	<p>15 to >12.7 Pts</p> <p>HD</p> <p>You've provided, or included in your design, detailed planning/breakdown of how each of the features in your website will function.</p>	<p>12.7 to >11.2 Pts</p> <p>D</p> <p>You've provided, or included in your design, planning/breakdown of how each of the features in your website will function.</p>	<p>11.2 to >9.7 Pts</p> <p>C</p> <p>You've provided, or included in your design, planning/breakdown of how some of the features in your website will function.</p>	<p>9.7 to >7.5 Pts</p> <p>P</p> <p>You've provided, or included in your design, planning/breakdown of how key features in your website will function.</p>	<p>7.5 to >0 Pts</p> <p>Not Met</p> <p>No useful details of features and/or their functionality is present.</p>	15 pts
<p>This criterion is linked to a learning outcome</p> <p>Review</p>	<p>10 to >8.4 Pts</p> <p>HD</p> <p>Each of the usability Heuristics, as well as kinetic and cognitive load have been tested for and reviewed against your design. The design has been updated to reflect this, or where updating was not necessary,</p>	<p>8.4 to >7.4 Pts</p> <p>D</p> <p>Most of the usability Heuristics, as well as kinetic and cognitive load have been tested for and reviewed against your design. The design has been updated to reflect this, or where updating was not necessary, some</p>	<p>7.4 to >6.4 Pts</p> <p>C</p> <p>Most of the usability Heuristics, and/or kinetic and cognitive load have been tested for and reviewed against your design. The design has been updated to reflect this.</p>	<p>6.4 to >5.0 Pts</p> <p>P</p> <p>Several Heuristics and/or kinetic and cognitive load have been tested for and reviewed against your design. The design may be updated to reflect this.</p>	<p>5 to >0 Pts</p> <p>Not Met</p> <p>No review has taken place, or the review does not sufficiently address usability.</p>	10 pts

	justification is provided.	justification is provided.				
This criterion is linked to a learning outcome Data Plan	15 to >12.7 Pts HD A complete data plan is given, detailing all interactions between the client and server, what data will be sent, how it will be stored, and what processing is needed.	12.7 to >11.2 Pts D A detailed data plan is given, showing interactions between the client and server, what data will be sent and how it will be stored.	11.2 to >9.7 Pts C A detailed data plan is given, showing interactions between the client and server, what data will be sent.	9.7 to >7.5 Pts P A basic data plan is given, showing key interactions between the client and server and what data will be sent.	7.5 to >0 Pts Not Met No data plan is given, or the data plan lacks useful detail.	15 pts

<p>This criterion is linked to a learning outcome</p> <p>Database Schema</p>	<p>20 to >16.9 Pts HD</p> <p>A detailed, valid, Schema diagram is provided, showing all Tables, Attributes and Relationships of all data being stored in the database, including Keys & cardinality. Relationships clearly indicate which attributes are involved. The Schema is in 4th or higher normal form.</p>	<p>16.9 to >14.9 Pts D</p> <p>A detailed, valid, Schema diagram is provided, showing all Tables, Attributes and Relationships of all data being stored in the database, including Keys & cardinality. Relationships indicate which attributes are involved. The Schema is in 3rd or higher normal form.</p>	<p>14.9 to >12.9 Pts C</p> <p>A clear, valid, Schema diagram is provided, showing all Tables, Attributes and Relationships of all data being stored in the database, including Keys & cardinality. The Schema is in 2nd or higher normal form.</p>	<p>12.9 to >10.0 Pts P</p> <p>A basic, valid, Schema diagram is provided, showing key Tables, Attributes, Keys and Relationships of data being stored in the database. The Schema is in 1st or higher normal form.</p>	<p>10 to >0 Pts Not Met</p> <p>No valid Schema diagram is present, the schema is fundamentally flawed, lacks useful detail, or has not been normalised to a normal form.</p>	<p>20 pts</p>
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<p>This criterion is linked to a learning outcome</p> <p>Implementation</p>	30 to >25.4 Pts	25.4 to >22.4 Pts	22.4 to >19.4 Pts	19.4 to >14.9 Pts	14.9 to >0 Pts	30 pts
	HD The group is well on track to successfully complete their implementation including all features to a high degree of quality.	D The group is well on track to successfully complete their implementation including all features to a good degree of quality.	C The group is on track to successfully complete their implementation including most features to a good degree of quality.	P The group is on track to successfully complete their implementation including key features to a sufficient degree of quality.	Not Met The group has not demonstrated that they are on track to successfully complete their implementation as per the specification by the final deadline.	

Total points: 120