

Report - Group 92

1. Design and Feature Research

In our mission to develop an innovative and user-friendly Volunteer Organization Platform System, we extensively researched existing web pages specializing in club and event management. Our analysis drew inspiration from a variety of platforms such as YouX, AIESEC, Frontegg, and Humanitix.

From each of these sources, we handpicked our favorite features and design elements that we believe will greatly enhance the functionality and appeal of our website. This research would allow us to gain a clear understanding of how a Volunteer Organizations platform system might look like and function such as appearance, layout, user data handling, and interaction dynamics of such platforms.

Some of our inspirations are found on Dribbble - a websites that have millions works of top-rated designers around the world

<https://dribbble.com/>

YouX Club

<https://youx.org.au/>

News and Events layout:

We emulate YouX's approach to showcasing its events and news. All news and events will be displayed side by side in two separate sections, running parallel to each other. This grid layout reduces *cognitive and kinematic load* because news and events are grouped together in a visually organized manner. By placing them side by side, volunteer members can quickly scan and access the event they are interested in without having to navigate through multiple pages or scroll down the whole page. This enhances the overall user experience by making the content visually attractive and accessible.



[HOME](#) [OPPORTUNITIES](#) [SCHEDULE](#) [HOURS](#) [REPORTS](#) [CONTACT](#) [MY PROFILE](#)

Home

[Log Out](#) [Help](#)

Welcome
Duc Nam Khanh Le
[Edit My Profile](#)

VOLUNTEER HOURS		
This Week	This Year	Lifetime
0	19	36

▼ YouX

News

YOUX CREW SOCIAL CALENDAR 2024!

Exciting news! We have just released a sneak peak of our social calendar for 2024!

Keep an eye out for when sign-ups are released for each event to join in!

2024 Volunteer Social Calendar
SAVE THESE DATES!

Public Opportunities

Want to volunteer elsewhere in YouX? Visit our public page to explore all of our opportunities.

[Search for Opportunities](#)

Get Social

[Share this](#)

Figure: YouX's homepage with News section

YouX [Home](#) [About](#) [Your Membership](#) [Your Support](#) [Your Interests](#) [Your Development](#) [Your Voice](#)

Check out what's happening

Upcoming Events

Monday Mojo!
Start your week right
FREE SNACK GIVEAWAY

22 Apr
[Monday Mojo](#)
[YouX HQ](#)

FOOD TRUCK FEAST
FREE LUNCH & ENTERTAINMENT

Friday 10 May | 11:30am - 2:30pm | Barr Smith Lawns

10 May
[Food Truck Feast](#)
[Barr Smith Lawns, North Terrace Campus](#)

CREATE SERIES
ROSEWORTHY

ALL DAY | ROSEWORTHY COLLEGE HALL
CREATE WITH PAPER
14 - 16 May

Free Limited Edition Create Notebooks for YouX Members
*Available ONLY on Tuesday 14 May, from 11am - 2pm.

14 May
[CREATE at Roseworthy](#)
[Roseworthy College Hall, Roseworthy Campus](#)

CREATE SERIES
11AM - 3PM MEZZANINE

CREATE WITH PAINT
16 May

CREATE WITH PAPER
22 May

CREATE WITH TEXTILES
29 May

15 May
[CREATE North Terrace](#)
[Mezzanine, Hub Central, North Terrace](#)

Figure: YouX's homepage with Events section

We will publicly display news and events sections on the homepage. Hence, members and non-members will be able to stay informed and are encouraged to participate in upcoming activities.

Disadvantages: While the grid layout for news and events can be visually appealing and organized, there might be limitations in terms of scalability if there are a large number of news articles or events to display. Users may find it overwhelming to navigate through a long list of items in a grid format, especially on smaller screens. Therefore, to address this, we need to ensure that the grid layout is responsive to different screen sizes, optimizing user experience across devices like mobile phones or laptops.

AIESEC

<https://aiesec.org/>

AIESEC is a global volunteering platform that gives young people places and environments to improve their leadership potential.

Dropdown box:

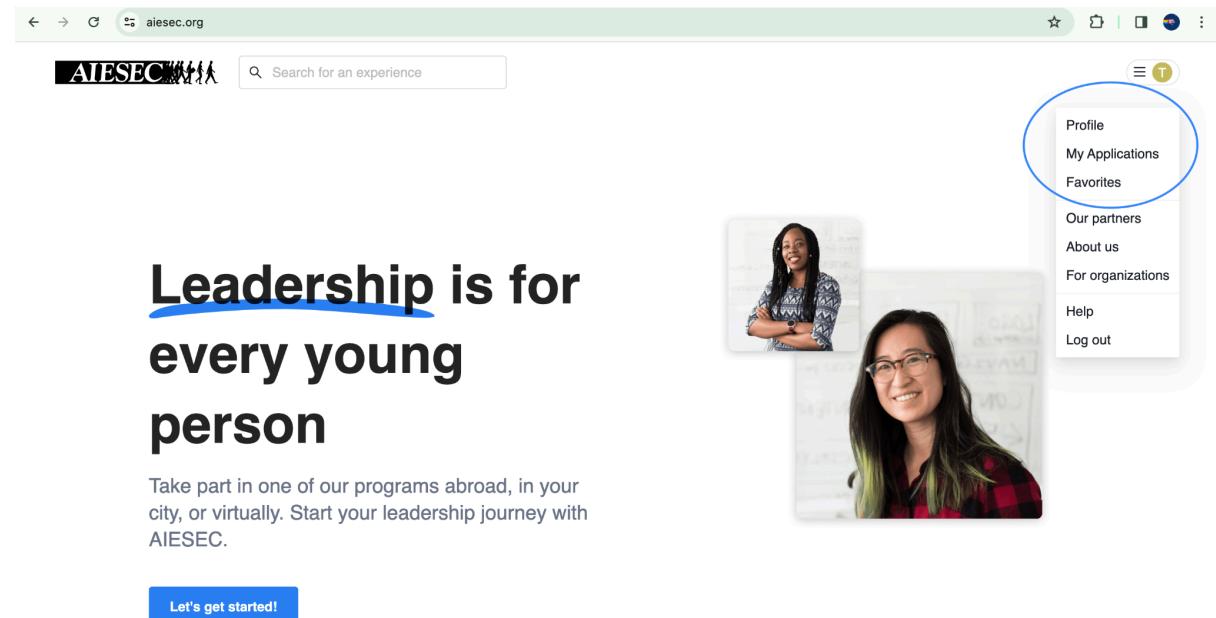


Figure: AIESEC's homepage with dropdown

We can enhance user experience by implementing a dropdown menu at the top left corner of the page. This dropdown menu will dynamically change based on the user's role and permissions after they sign in.

For instance, if a user logs in as a manager, they will see options in the dropdown menu tailored specifically for their role. These options might include pages such as "Manage Events," "Organization Management," "Volunteer Assignments," and other relevant features that empower managers to oversee and coordinate volunteer activities effectively.

Similarly, an administrator logging in will have access to a different set of options in the dropdown menu. These options could include pages like "User Management," "Permissions and Roles," "Analytics and Reporting," and tools that enable administrators to maintain the platform, manage user accounts, and track performance metrics.

By customizing the dropdown menu based on user roles and permissions, we ensure that each user type has access to the functionalities and tools relevant to their responsibilities within the volunteer organization platform. This personalized approach not only enhances usability but also improves efficiency and task management for users across different roles.

Additionally, the dropdown menu can be designed to be intuitive and user-friendly, with clear labels and organized categories to help users quickly navigate to the desired pages. Implementing role-based permissions ensures that sensitive functionalities are only accessible to authorized users, maintaining data security and integrity within the platform.

Log in/Sign up design:

What we like about the AIESEC website is that it has a very clean and simplified appearance, which is easy to catch users' eye.

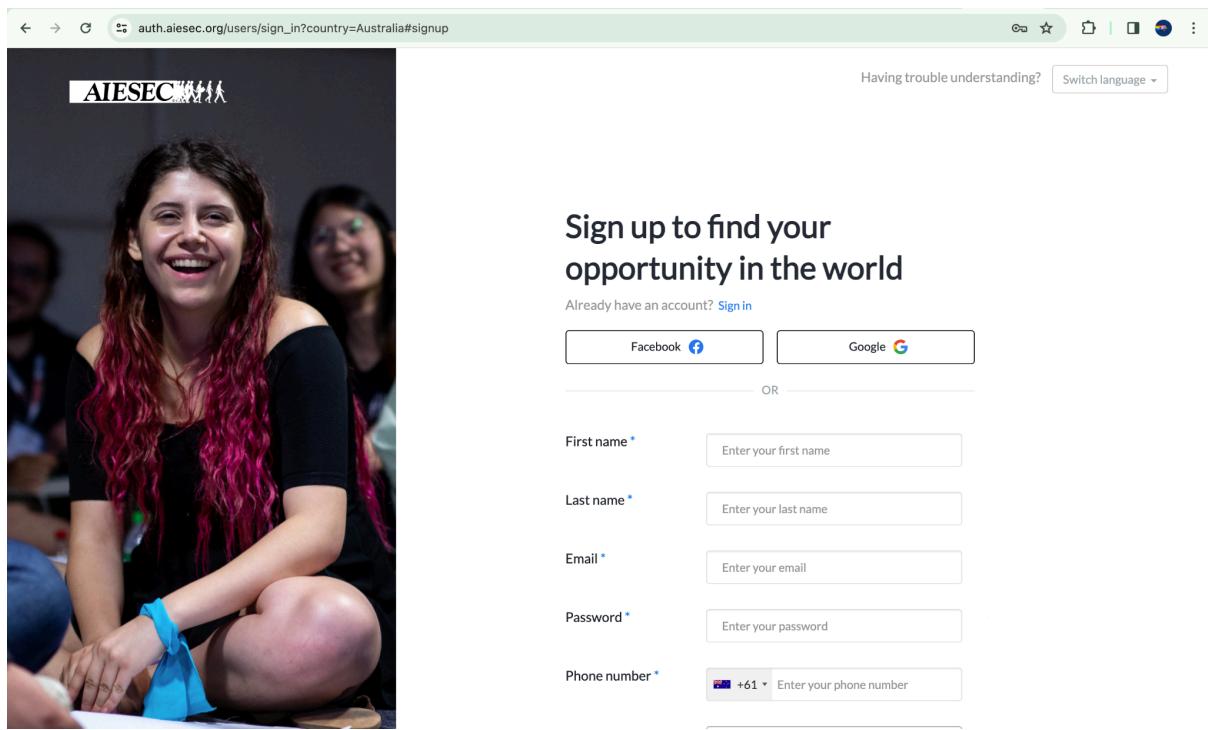


Figure: Sign-up page

AIESEC's sign-up page exemplifies a minimalist design ethos, featuring a clean layout with a white background and black text. The minimalist design approach not only prioritizes clarity and ease of use but also maintains a professional and modern aesthetic. The contrast between the white background and black text ensures high legibility, especially for users accessing the page on various devices and screen sizes.

The page provides sufficient fields for essential information such as name, email address, and other required details, ensuring a comprehensive sign-up experience. Additionally, the integration of APIs like Google Sign-In adds convenience and versatility to the sign-up process.

Frontegg

<https://frontegg.com/>

Frontegg provides an exemplary model for managing people efficiently

NAME	EMAIL	ROLE	LAST ACTIVE	SETTINGS
[REDACTED]	[REDACTED]	Member	22 Mar	***
[REDACTED]	[REDACTED]	Member	5 Feb	***
[REDACTED]	[REDACTED]	Admin	22 Mar	***
[REDACTED]	[REDACTED]	Member	21 Mar	***
[REDACTED]	[REDACTED]	Admin	22 Mar	***
[REDACTED]	[REDACTED]	Member	18 Mar	***
[REDACTED]	[REDACTED]	Member	22 Mar	***
[REDACTED]	[REDACTED]	Owner	22 Mar	***
[REDACTED]	[REDACTED]	Member	22 Mar	***

Figure: Admin page

Expanding on this concept, we can enhance the user experience further by implementing additional features and refining the layout for smoother navigation and management:

Introduce *customizable filters* alongside the search bar, allowing administrators to refine their search based on specific criteria such as volunteer roles, activity status, skills, or interests. This feature enhances precision and flexibility in managing volunteers.

Sortable Columns enable administrators to sort volunteer information columns (e.g., name, email, role) in ascending or descending order. This functionality makes it easier to prioritize and organize volunteers based on different parameters.

Humanitix

<https://humanitix.com/au>

Event page layout

The grid layout employed by Humanitix on its event page offers several advantages aligned with usability heuristics, kinetic principles, and cognitive considerations. This layout organizes events into a visually appealing grid, with each event

represented by its logo or banner, along with essential details like the event's name, location, and date. This structured presentation enables users to efficiently scan through multiple events at once, making it easier for them to find relevant information without having to navigate through lengthy lists or paragraphs of text.

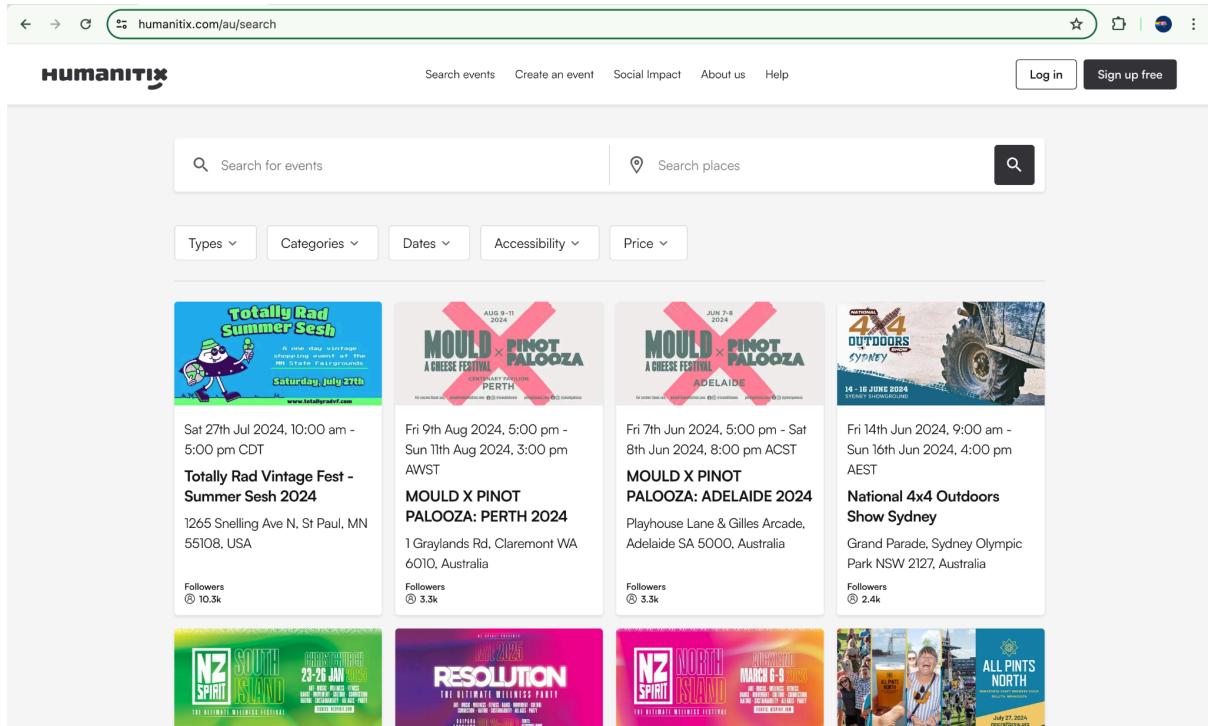


Figure: Search events page

One of the key benefits of the grid layout is its ability to provide a clear information hierarchy, aligning with usability heuristics. By arranging events in a grid format, each grid item serves as a distinct entity, ensuring that users can easily distinguish between different events and understand their details at a glance. This clarity contributes to a more user-friendly experience, as users can quickly identify events that match their preferences or interests.

Moreover, the inclusion of search and sorting tools further enhances the usability of the grid layout, aligning with cognitive considerations. The presence of a search bar allows users to directly search for specific event names or locations, streamlining the process of finding desired events. Additionally, sorted tools for event types, categories, dates, and accessibility enable users to filter and refine their search based on specific criteria, improving the relevance and accuracy of search results.

In terms of kinetic principles, the grid layout leverages Gestalt principles such as proximity (events grouped together), similarity (consistent presentation of event details), and closure (complete information within each grid item), which contribute to perceptual organization and ease of understanding. The visual hierarchy created by the use of logos/banners, event names, and highlighted information guides users' attention effectively.

Furthermore, the grid layout's responsive design ensures compatibility with different screen sizes and devices, enhancing accessibility and user experience across platforms.

About us page's split-screen layout

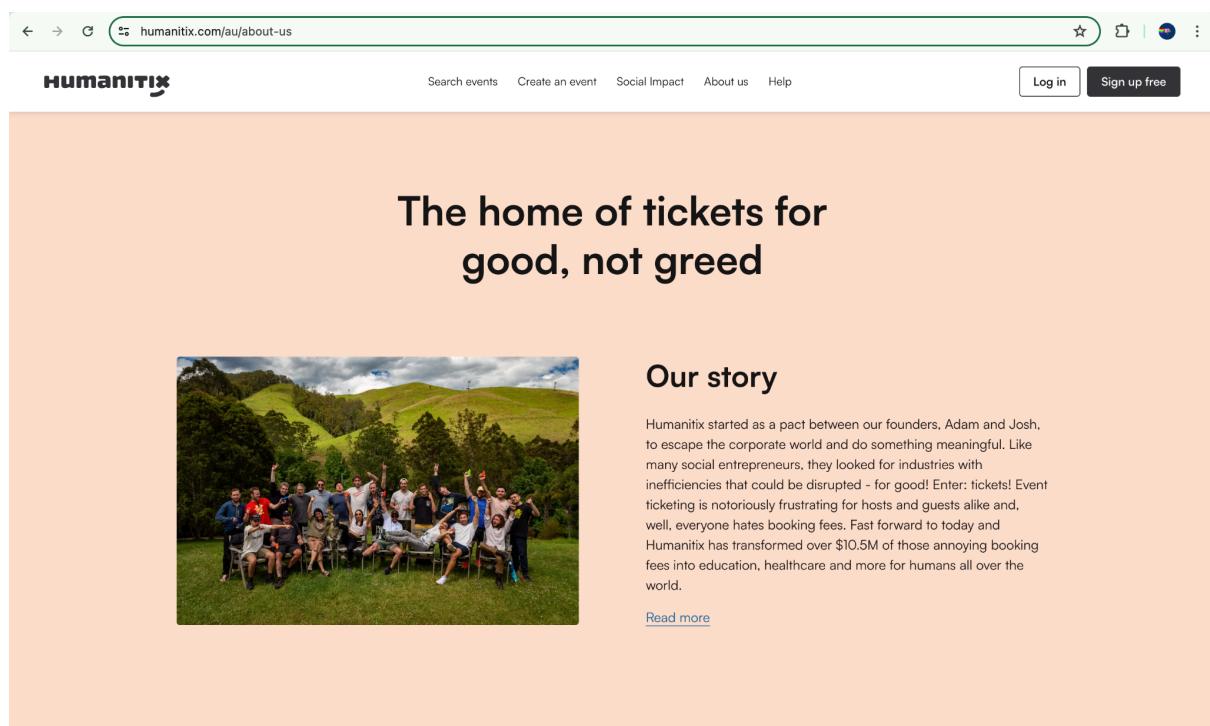


Figure: About us page

We drew great inspiration from the split-screen layout employed on Humanitix's "About Us" page, where the organization's picture and introduction information are displayed side by side within the same box, offering a range of benefits that enhance the user experience. One of the key advantages of this design is its visual impact. By pairing relevant content with a corresponding image, the split-screen format

immediately captures users' attention and encourages them to engage with the content. This visual appeal is crucial for drawing users into the narrative and making the information more compelling and memorable. Furthermore, the split-screen design lends itself well to creating a modern and up-to-date look for the web page.

Additionally, the split-screen layout promotes information clarity. Placing the introduction information alongside the organization's picture allows users to easily associate the text with the visual representation. This alignment enhances comprehension and retention of key details about the organization, as users can quickly grasp the context and meaning of the content presented. The combination of text and imagery in a visually stimulating format contributes to a more immersive and informative experience for users exploring the "About Us" section.

Another notable advantage of the split-screen layout is its illustrative representation. By integrating images alongside textual content, the design allows for storytelling through visuals. This approach enables the organization to convey its mission, values, and personality in a compelling and memorable way, fostering a deeper connection with users. The split-screen format serves as a canvas for showcasing the organization's identity and creating a lasting impact on visitors.

However, including high-resolution images or multimedia content in the split-screen layout can impact loading speed, especially on slower connections or devices. Optimizing assets and considering performance implications are crucial to ensure a smooth and efficient user experience.

Conclusion

From our research and analysis of YouX, AIESEC, Frontegg, and Humanitix, we have gathered valuable insights and ideas that will greatly influence the design and functionality of our Volunteer Organizations Platform System.

- YouX Club inspired us with its layout for showcasing news and events side by side, promoting user engagement and community involvement.
- AIESEC demonstrated the effectiveness of a clean and minimalist design, especially in the sign-up process, ensuring a streamlined user experience.

- Frontegg provided a blueprint for efficient people management through features like customizable filters and sortable columns, enhancing administrators' control and organization.
- Humanitix exemplifies a modern and intuitive design approach, which we aim to incorporate into our platform's user interface for enhanced usability.

Our basic implementation will combine the best features from these platforms, such as a visually appealing homepage with news and events sections, a user-friendly sign-up process, role-based dropdown menus for personalized navigation, and robust management tools for administrators and managers.

2. Design

There are 9 pages in our sketch design: Home Page, MyProfile Page, Log In and SignUp Page, Organisation Page for Manager, People Management Page for Manager, Events Page and RSVP Page, Admin Page

Figma design

<https://www.figma.com/design/kC6Qnbo8B3v6eJDEiT7jAT/Web-design?node-id=0%3A1&t=C5nJj4RfyfWjjT8O-1>

Wireframe

This section is our Website-Wireframe:

sketch

Font: Open Sans
Color palette: <https://colorhunt.co/palette/003c43135d6077b0aa3f0f>



Homepage Design

In the homepage, we will display the Events section, which showcases the newest and upcoming events. It will be located in the largest section on the left, taking thirty percent of the screen width, so that it could grab the users who are seeking for volunteer attention and encourage participation.

Next to the Events section is the News section, which is positioned in a scroll box. It highlights the latest news and updates related to volunteer activities and organizations. This keeps users informed and engaged with relevant content.

The Events and News sections are positioned side by side. The parallel display of news and events creates a sense of balance and symmetry on the homepage, contributing to its aesthetic appeal. It gives the impression of a dynamic and active platform that is constantly updated with relevant information and activities. This can have a positive impact on user perception, conveying a sense of professionalism and reliability.

A brief introduction to the website including the organization's vision and achievement will be included below the News and Events section.

The sign-up/log-in button is placed in the top right corner of our website due to cognitive and kinetic factors. On the cognitive side, since most website users have been familiar with the sign-up/log-in button located on the top right position across many websites, they will expect every website to have the same design. So this design can make it easier for users to find our sign-up/log-in button without the need to search extensively.

From a kinetic perspective, placing the sign-up/log-in button in the top right corner ensures it is easily reachable for users operating a mouse or trackpad. This placement aligns with users' natural scanning patterns, as their eyes often end up in the top right corner after reading content from left to right. It also supports efficient interaction by minimizing mouse movements or finger taps, contributing to a smoother user experience.

Finally, simple header and footer sections provide navigation links, contact information, and additional resources for users to explore.

Login/Sign-Up Page Design

The Login button at the top left corner of the home page directs users to a minimalistic Login page with a white theme for a clean and modern look.

Basic information fields for signing up are included, such as name, email, password, and role selection (Manager for organizations or normal volunteer/user). The fill-in section may have a gray thin border for visual clarification so that users can more easily find exactly where to start working on.

There will be a phrase that says: "If you don't have an account, sign up here". Alternatively, when the website user hasn't registered for membership, they will click on the "sign up here" sign, which will directly move them to the sign-in page.

The SignUp page will also utilize the same design as the LogIn page to enhance consistency between pages.

My Profile Website

The top right button, serving as a user avatar, opens a dropdown menu with options to access the My Profile website.

My Profile allows users to view and update their personal details, including changing their information and preferences. An update button and the option to turn on email notifications (if available) enhance user control and customization.

Organization Page (for Managers) Design

Clicking on the Organization button in the navigation bar directs managers to an Organization Page where they can manage events for their organization.

Features include buttons to create and delete events, providing managers with full control over event management within their organization.

A neatly displayed list of events within the organization allows for easy navigation and oversight of upcoming activities.

Event Page Design

Clicking on an event from the list leads to a detailed Event Page showcasing essential information such as date, location, and announcements to registered members.

The View Member button (RSVP) allows managers to see the list of members who have confirmed attendance, providing valuable insights for event planning.

The admin page includes tabs to view members of the website, assign manager roles, and perform other administrative tasks, ensuring efficient management of the platform.

Admin Page Design

The admin page has a basic design that covers essential administrative features. It is structured to ensure ease of use and efficient management of website content and user roles.

The dashboard serves as the central hub for administrators. It provides a quick overview of recent activities such as announcements from the server when there are new members joining the organization.

The People page contains a list that displays all registered users. Admins can view, manage, and edit user profiles and roles from this page. A search and filter function is included to help administrators quickly locate specific users or groups of users based on criteria such as role, activity status, or registration date.

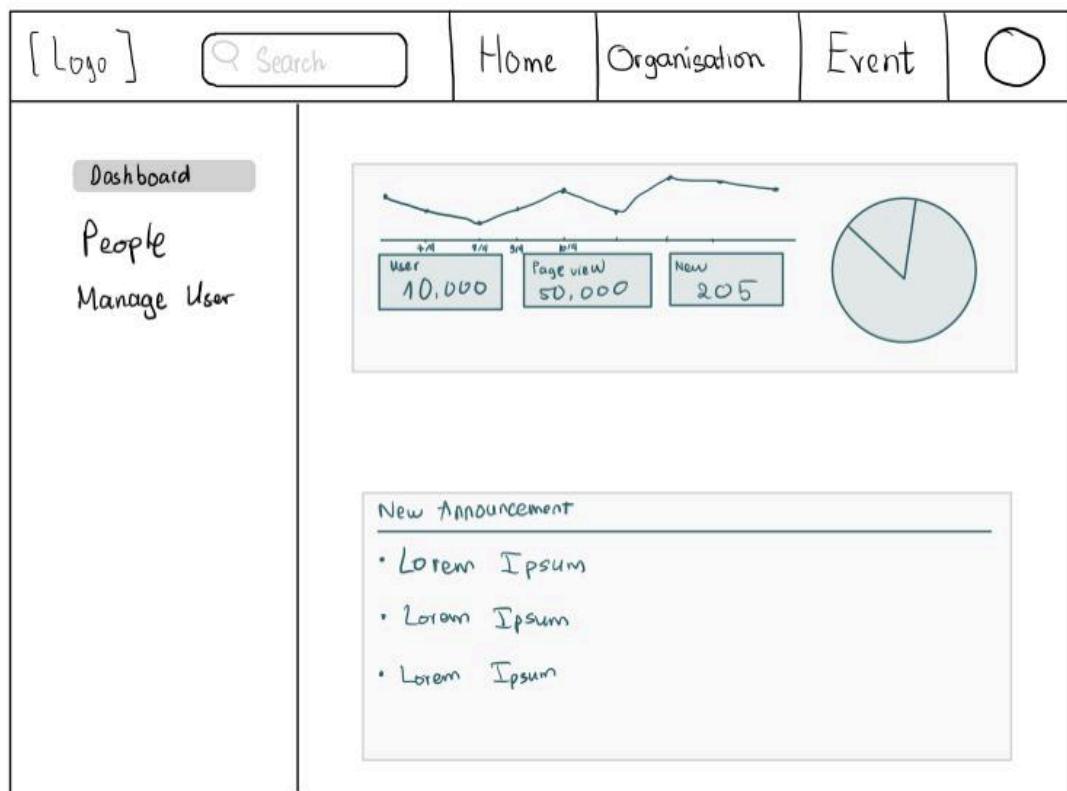


Figure: Admin dashboard

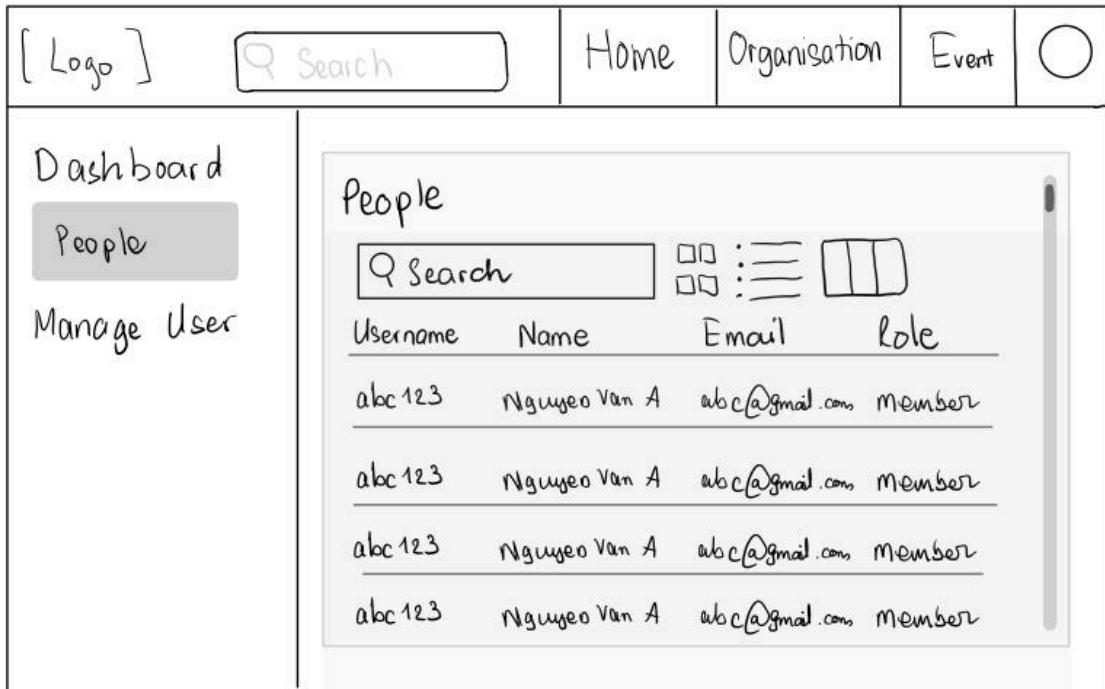


Figure: Admin people management page

Color

This is our color palette: <https://colorhunt.co/palette/003c43135d6677boaae3fef7>

Our website will be covered by a green theme. We chose this theme because it offers a versatile range of emotions and associations, from reliability and professionalism to relaxation and harmony. Incorporating these green-inspired colors into the website design can create a cohesive and impactful visual identity that resonates with users and reinforces the website's messaging and objectives.

To be more specific, the palette predominantly features shades of teal and green (#003C43, #135D66, #77BoAA), which are commonly associated with nature and environmental friendliness. By using these colors, we aim to convey a sense of eco-consciousness and sustainability, aligning with the ethos of volunteerism often connected to environmental causes.

On the other hand, the dark teal and pale cyan shades (#003C43, #E3FEF7) add a touch of professionalism and reliability to the design. These colors convey stability

and trustworthiness, which are crucial for establishing credibility and fostering trust among users, including volunteers, organizations, and donors.

The contrast between dark and light shades within the palette ensures good readability and accessibility of content, including text, buttons, and interactive elements. This prioritization of accessibility ensures that users can easily navigate the platform and engage with its features without encountering usability issues.

Font

Open Sans

<https://fonts.google.com/specimen/Open+Sans?query=open+sansd>

Open Sans is a popular font for websites because it's easy to read on screens, making content clear for users. It comes in different styles and works well across browsers and devices, ensuring everyone can access your site. Its modern look and support for different languages also help improve how our site looks and performs.

3. Feature

3.1. User Stories for Regular User (Volunteer)

User Story: LogIn

As a volunteer, I want to log in from the home page so that I can access my member features.

Acceptance Criteria:

- I click the log-in button on the top right of the homepage which directs me to the log-in page. (1)
- The log-in page includes input fields for username/email and password. (2)
- Entering valid log-in credentials (3) and submitting them successfully authenticates the user.
- After authentication, I am redirected to the appropriate section of the website.

The screenshot shows a dark teal header with a white logo on the left, a search bar with a magnifying glass icon, and navigation links for Home, Organisations, Events, and About us. A red circle labeled '1' is drawn around the 'Events' link. To the right of the navigation is a light blue circular profile picture. Below the header, there are two main sections: 'Events' on the left and 'News' on the right. The 'Events' section features a photo of a woman and a child playing with blocks, with a caption about basketball exercises. The 'News' section shows three news items with small images and titles.

Figure: Click the log-in button on the top right of the homepage (1)

The screenshot shows a light green background with a dark teal header identical to the one in the previous figure. Below the header is a 'Log in' form. It includes a 'Continue with Google' button with a red circle labeled '2' above it. Below this is a 'Or continue with email' section. It has input fields for 'Email address or user name' and 'Password', with a 'Hide' link next to the password field. A red bracket labeled '3' groups the 'Email address...' field, the 'Password' field, and the 'Forget your password?' link. At the bottom of the form is a 'Remember me' checkbox and a large grey 'Log in' button.

Figure: Entering valid log-in credentials (2)(3)

User Story: Account Creation (SignUp)

As a new volunteer, I want to be able to create a new account from the homepage so that I can access member's features.

Acceptance criteria:

- I click the log-in button on the top right of the homepage which directs me to the log-in page. (1)
- I click the "sign up here" words on the log-in page which leads me to the sign-up page. (2)
- I can fill in information including input fields for name, email, password, and any other required information. (3)
- I can choose the roles between "volunteer" and "manager". I can click on "volunteer".(4)
- After submitting valid sign-up details, I can redirect to login page to continue login.

The screenshot shows a website homepage with a dark green header. The header includes a 'Logo' icon, a search bar, and navigation links for 'Home', 'Organisations', 'Events', and 'About us'. A red circle with the number '1' is drawn over the 'Events' link. Below the header, there are two main sections: 'Events' and 'News'. The 'Events' section features a photo of a woman and a child playing with blocks, with the caption '04 June 2023 5 Exercises Basketball Players Should Be Using To Develop Strength'. The 'News' section has three items: 'Earthday volunteer need!', 'Adelaide Bicycle Open Ceremony', and 'Adelaide university graduation'. At the bottom, a footer bar contains links for User Agreement, Help Center, Terms of Service, Privacy Policy, Cookie Policy, Community Guidelines, Send feedback, and a copyright notice '@2024WDCProject'.

Figure: Click the log-in button on the top right of the homepage (1)

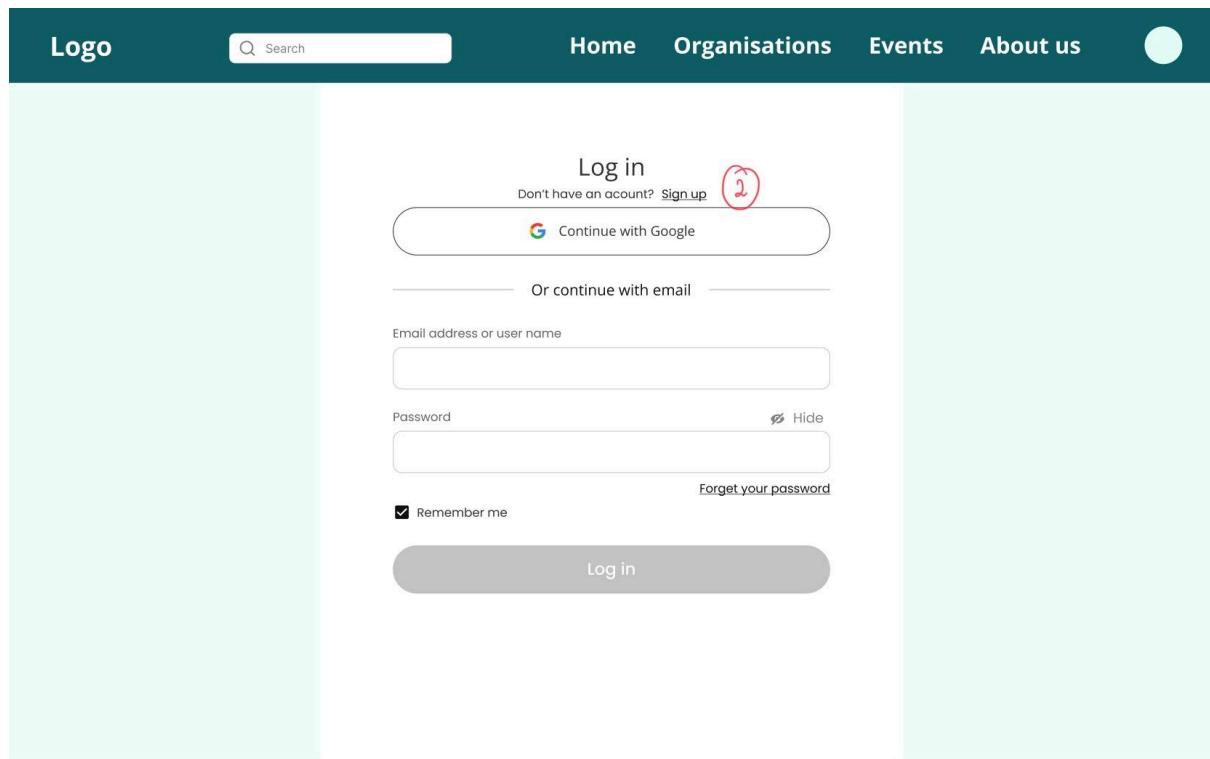


Figure: Click the "sign up" words on the log-in page (2)

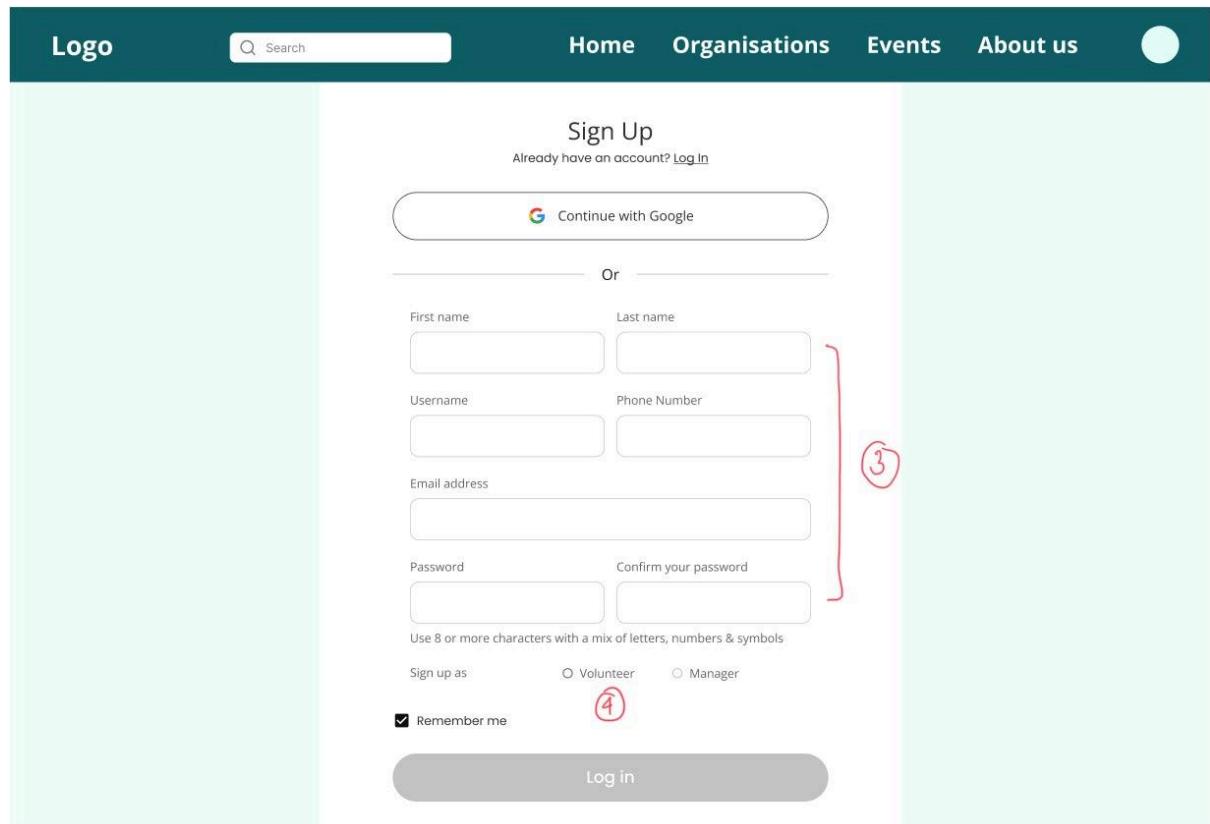


Figure: Fill in the information and select the role 'volunteer' (3)(4)

User Story: Handling Failed Log-In Attempts for Volunteer

As a volunteer attempting to log in, I want to be informed and guided if my log-in attempt fails due to an incorrect username/email or password.

Acceptance Criteria:

- If I enter an incorrect username/email or password during the log-in process as a volunteer, I receive a clear error message indicating the failure.
- The error message prompts me to check and correct my login credentials.
- The system does not reveal specific details about whether the username/email or password was incorrect to maintain security.

User Story: Profile Management

As a volunteer, I want to be able to access my profile page so that I can update my user's information such as my name, email, and contact details.

Acceptance Criteria:

- I can access my profile page after logging in by clicking on “my profile” at the dropbox at my avatar (the sign-up/log-in button). (1)
- I can edit and update my name, contact details, and other profile information as needed. (2)
- Changes made to my profile are saved and reflected in the system. (3)

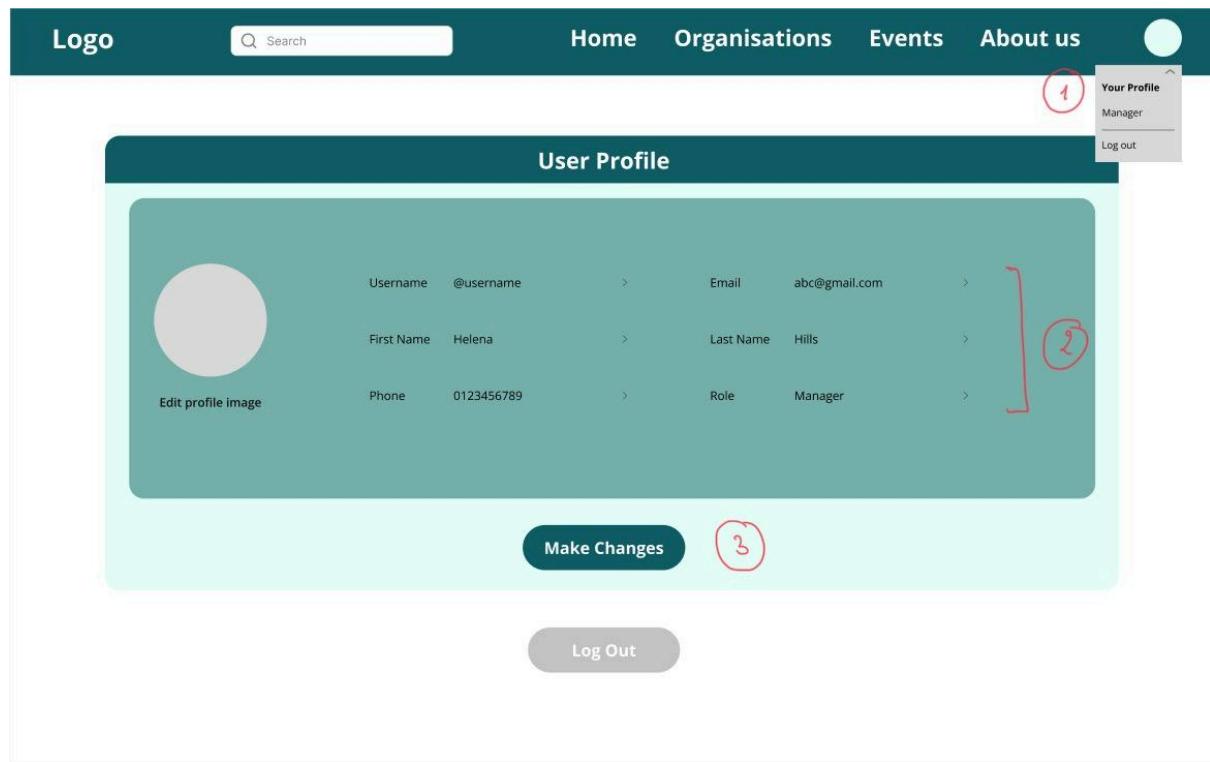


Figure: Profile management page

User Story: Viewing Updates and Announcements

As a volunteer and a member of a Volunteer Organization, I want to be able to view updates and announcements from the organization.

Acceptance Criteria:

- After joining a Volunteer Organization, I can access a newsfeed or updates section specific to that organization.
- I can see announcements, news, and updates posted by the organization's managers.
- Updates are displayed in chronological order, with the most recent ones at the top.

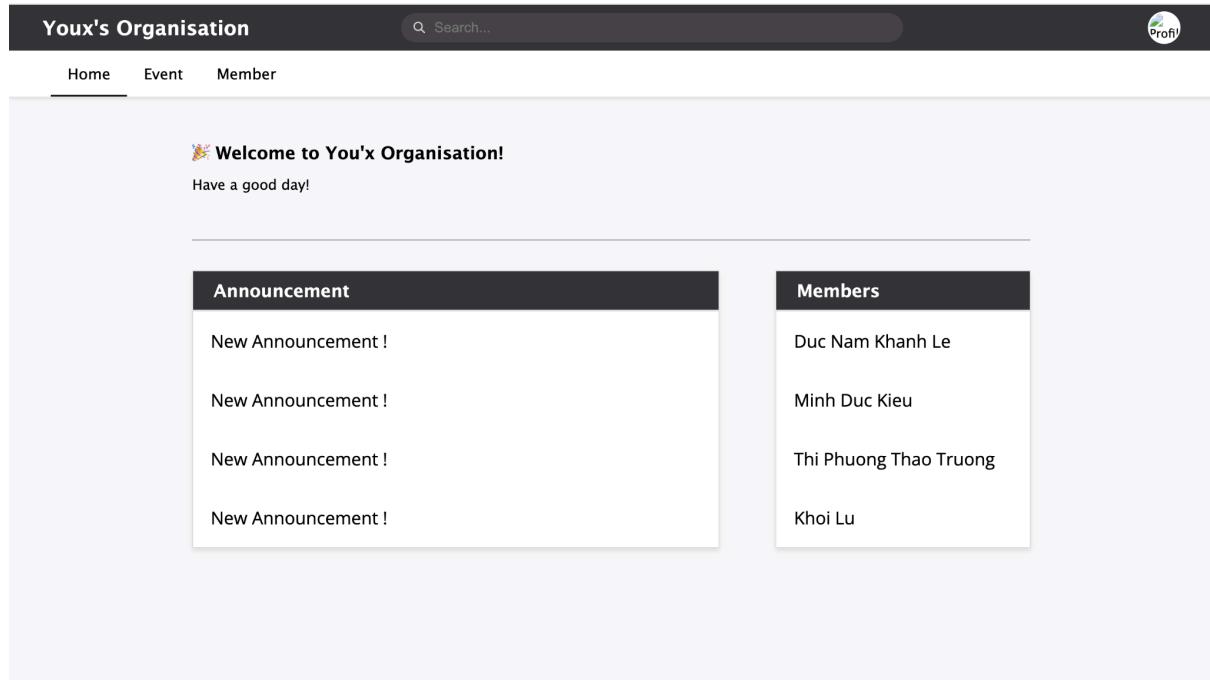


Figure: View announcement

User story: Search for the event

As a user, I want to be able to search for events within the system so that I can find specific events or browse through available options.

Acceptance Criteria:

- I can access a search functionality within the events section of the system. (1)
- I can enter keywords or filters (such as date, location, or event type) to narrow down the search results. (2)
- The search results display relevant events based on my search criteria.
- I can click on an event from the search results to view detailed information about that event. (3)

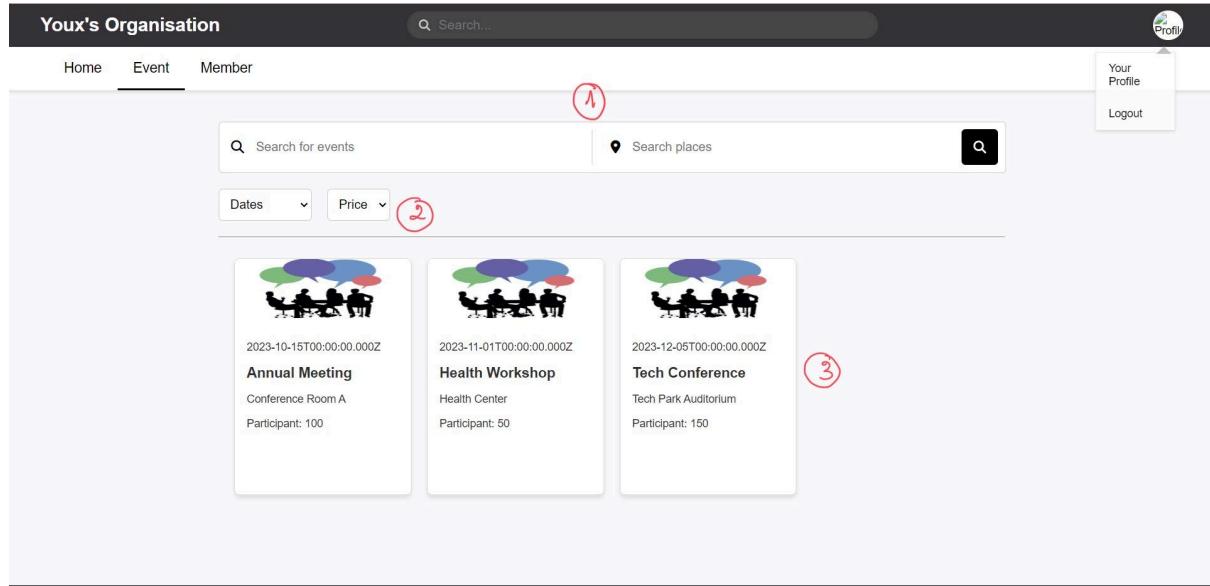


Figure: Search for the event

User Story: Join Events as a Volunteer

As a volunteer, I want to be able to select and request to join events hosted by the Volunteer Organization.

Acceptance Criteria:

- I can view detailed information about each event, including its description, date, location, and any requirements for participation. (1)
- I can submit a request to join a selected event, indicating my interest in volunteering. (2)
- Upon approval by the event organizer, I will receive a notification confirming my participation in the event.

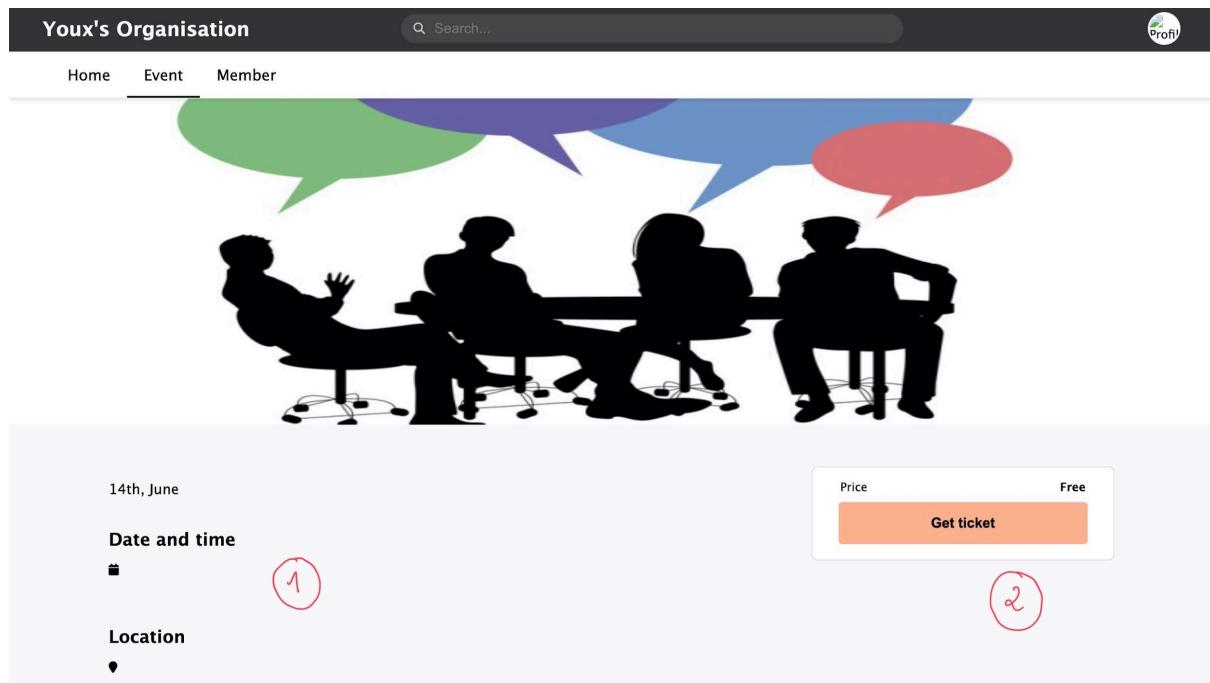


Figure: Join the event

User story: Cancel Event

As a volunteer, I want to be able to cancel an event that has been scheduled within the system.

Acceptance Criteria:

- I can access the event details page for the event that needs to be canceled. (1)
- There is a "Cancel Event" button or option available on the event details page.(2)
- Once confirmed, the event is marked as canceled, and all attendees are notified of the cancellation via email or notification within the system.

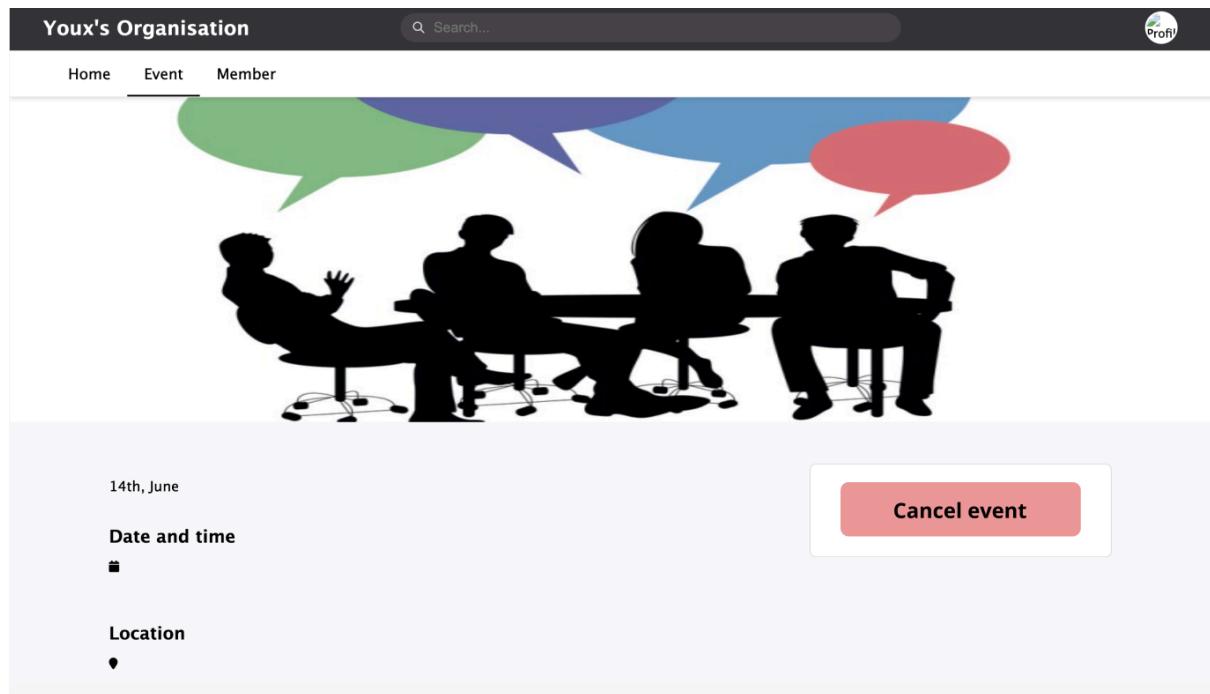


Figure: Cancel event after having registered

User Story: RSVP to Events

As a volunteer and a member of a Volunteer Organization, I want to be able to see a list of upcoming events hosted by the organization and RSVP to them.

Acceptance Criteria:

- I can view details of upcoming events, including date, time, location, and description.
- I can indicate my intention to attend an event by RSVP through the system.
- RSVP status is updated in real time, reflecting my attendance plans for each event.

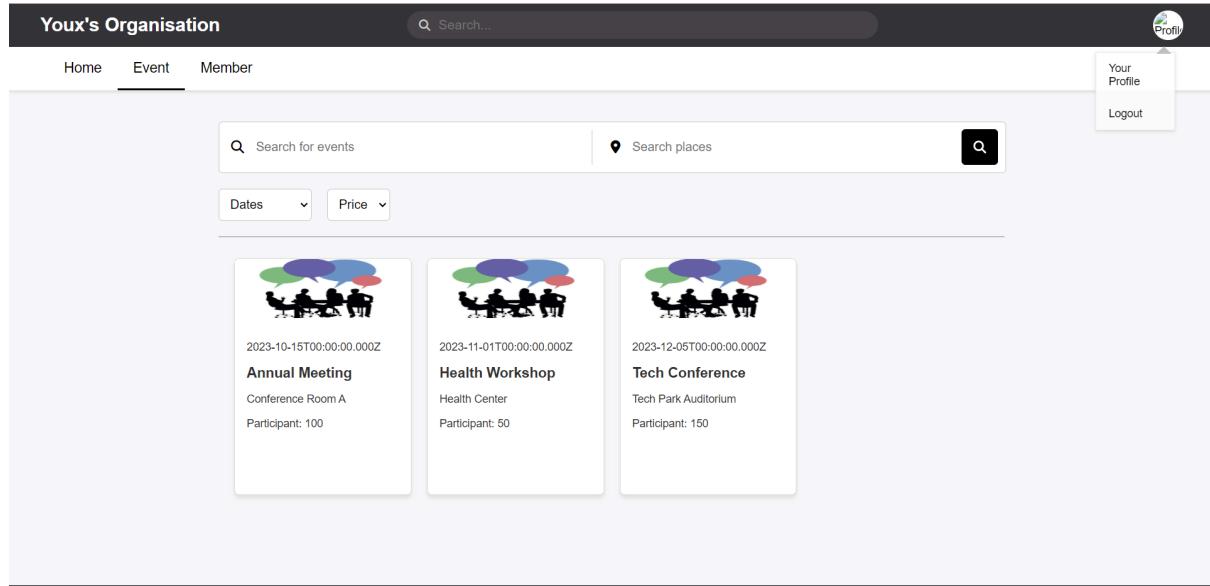


Figure: Event RSVP

3.2. User Stories for Volunteer Organization Manager:

User Story: Manager Login

As a Volunteer Organization Manager, I want to be able to log in to the system using my credentials.

Acceptance Criteria:

- I can access the login page for managers.
- I can enter my username and password to authenticate and log in successfully.
- Upon successful login, I am directed to the manager dashboard or control panel.

The screenshot shows a dark teal header with a white logo on the left, a search bar with a magnifying glass icon, and navigation links for Home, Organisations, Events, and About us. A red circle labeled '1' is drawn around the 'Events' link. To the right of the navigation is a light blue circular profile picture. Below the header, there are two main sections: 'Events' on the left and 'News' on the right. The 'Events' section features a photo of a woman and a child playing with blocks, with a caption about basketball exercises. The 'News' section shows three news items with small images and titles.

Figure: Click the log-in button on the top right of the homepage (1)

The screenshot shows a light green background with a dark teal header identical to the one in the previous figure. Below the header is a 'Log in' form. It includes a 'Continue with Google' button, a 'Or continue with email' link, and input fields for 'Email address or user name' and 'Password'. A 'Remember me' checkbox is at the bottom. A red circle labeled '2' is over the 'Log in' button, and a red bracket labeled '3' covers the 'Email address' and 'Password' fields.

Figure: Entering valid log-in credentials (2)(3)

User Story: Manager Sign Up

As a manager, I want to be able to create a new account from the homepage so that I can access the manager's features.

Acceptance criteria:

- I click the log-in button on the top right of the homepage which directs me to the log-in page. (1)
- I click the "sign up here" words on the log-in page which leads me to the sign-up page. (2)
- I can fill in information including input fields for name, email, password, and any other required information. (3)
- I can choose the roles between "volunteer" and "manager". I can click on "manager".(4)
- After submitting valid sign-up details, I can redirect to the login page to continue logging.

The screenshot shows a website homepage with a dark teal header. The header includes a 'Logo' icon, a search bar, and navigation links for 'Home', 'Organisations', 'Events', and 'About us'. A red circle with the number '1' is drawn over the 'Events' link. Below the header, there are two main sections: 'Events' and 'News'. The 'Events' section features a photo of a woman and a child playing with blocks, with a caption about basketball exercises. The 'News' section has three items: one about Earthday volunteers, one about a bicycle race, and one about university graduation. At the bottom, a footer bar contains links for User Agreement, Help Center, Terms of Service, Privacy Policy, Cookie Policy, Community Guidelines, Send feedback, and the copyright notice '@2024WDCProject'.

Figure: Click the log-in button on the top right of the homepage (1)

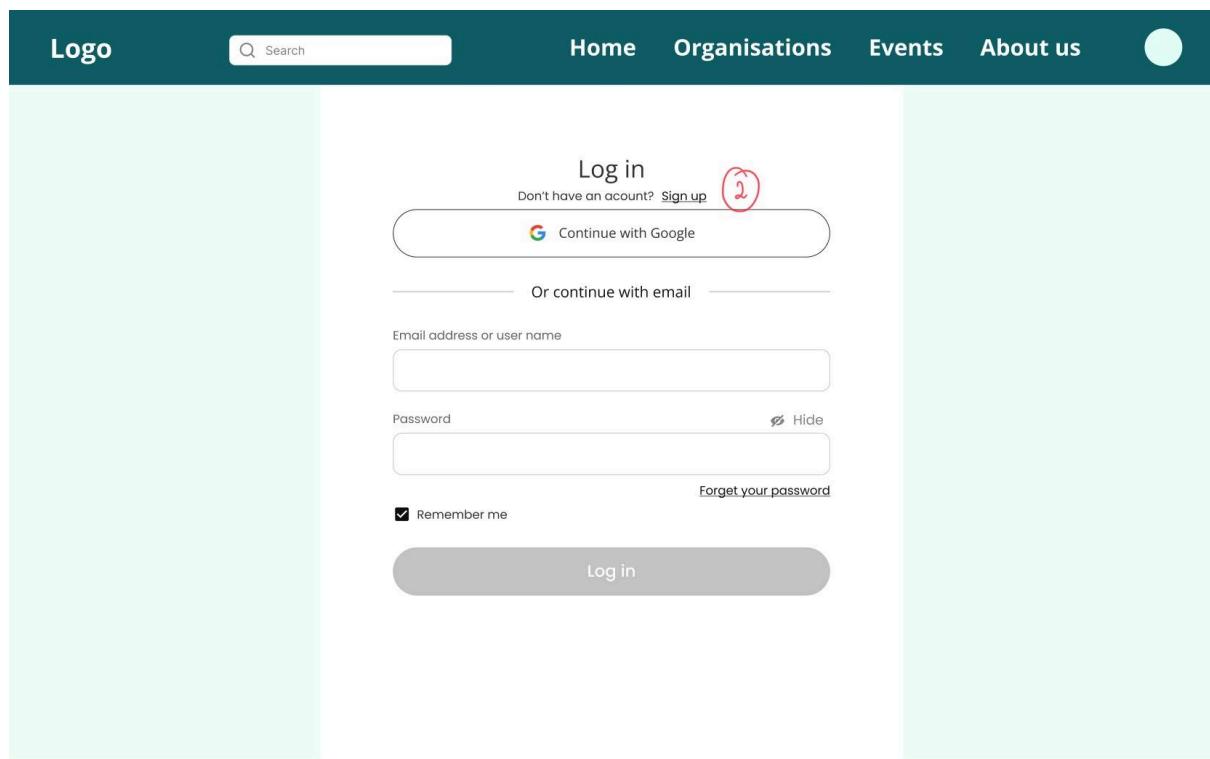


Figure: Click the "sign up" words on the log-in page (2)

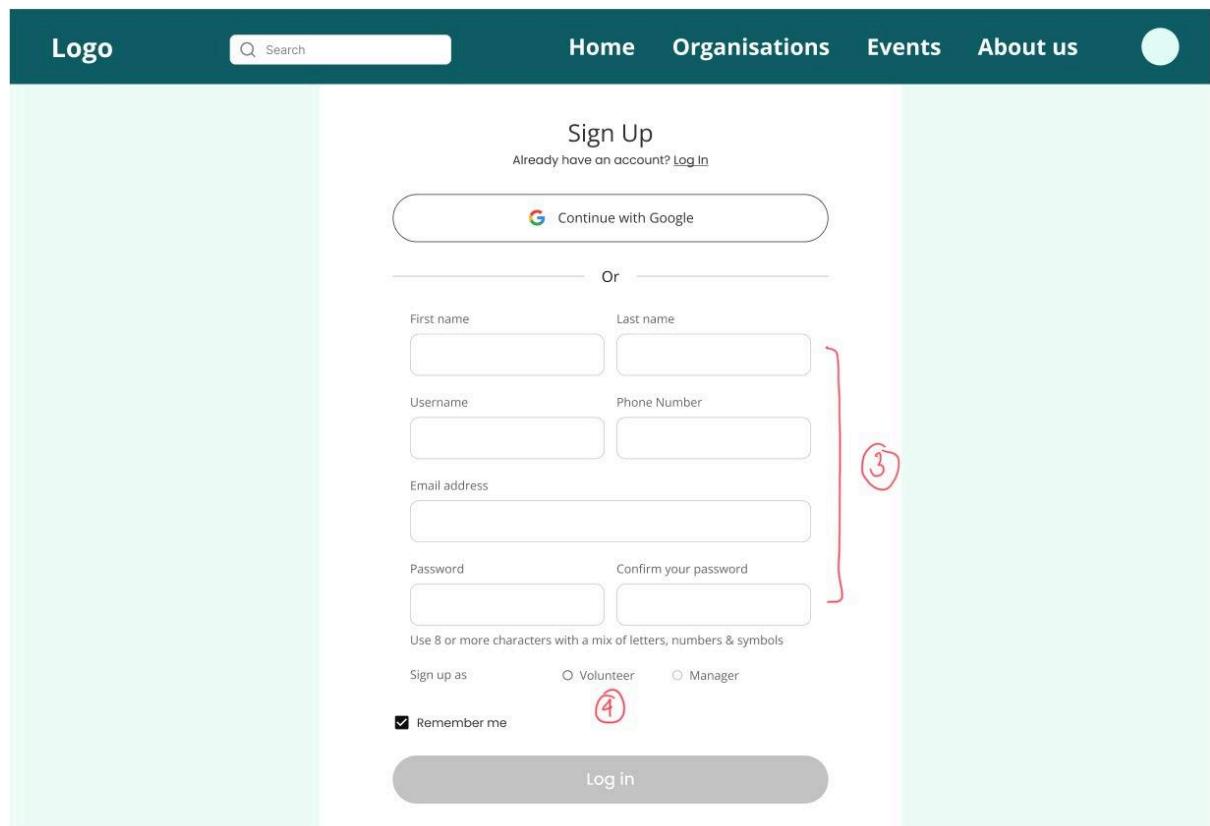


Figure: Fill in the information and select the role 'volunteer' (3)(4)

User Story: Handling Failed Log-In Attempts for Manager

As a manager attempting to log in, I want to be informed and guided if my log-in attempt fails due to an incorrect username/email or password.

Acceptance Criteria:

- If I enter an incorrect username/email or password during the log-in process as a manager, I receive a clear error message indicating the failure.
- The error message prompts me to check and correct my login credentials.
- The system does not reveal specific details about whether the username/email or password was incorrect to maintain security.

User Story: Profile Management

As a Branch Manager, I want to be able to update my profile information such as my name, contact details, and other relevant information.

Acceptance Criteria:

- I can navigate to the profile settings section after logging in. (1)
- I can edit and update my name, contact details, and any other profile information as needed. (2)
- Changes made to my profile are saved and reflected in the system. (3)

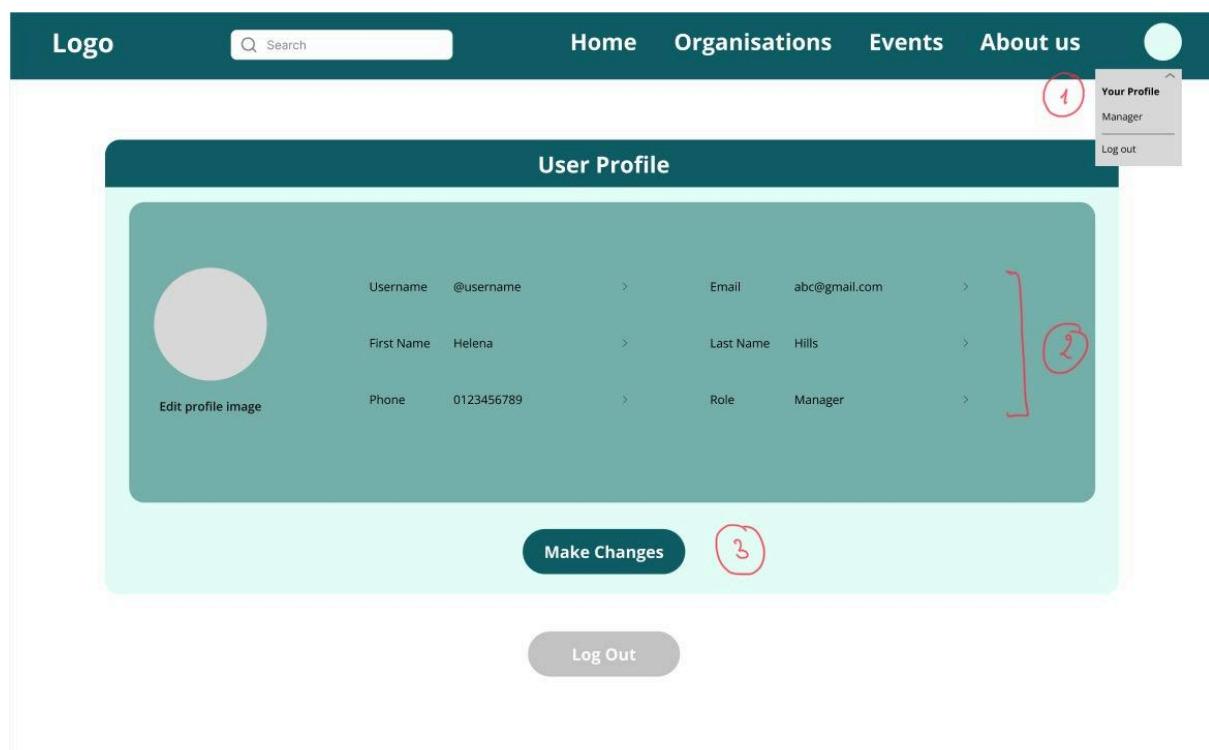


Figure: Profile management

User Story: Member Management

As a Branch Manager, I want to be able to view a list of members who are part of my Volunteer Organization.

Acceptance Criteria:

- I can access a members' list or directory within the manager's dashboard.
- I can see details of each member, such as their name, contact information, and role within the organization.
- The list is updated in real-time to reflect any changes in membership.

Username	Name	Event	Email	Date	Location	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...

Figure: Viewing members list

User Story: Posting Updates

As a Branch Manager, I want to be able to post updates that are visible to all members of the organization or restrict them to specific members.

Acceptance Criteria:

- I can access a feature or section for posting updates within the manager's dashboard.
- I can create new posts or announcements and choose whether they are public or restricted.

- Public updates are visible to all members, while restricted updates are only visible to specified members or groups.

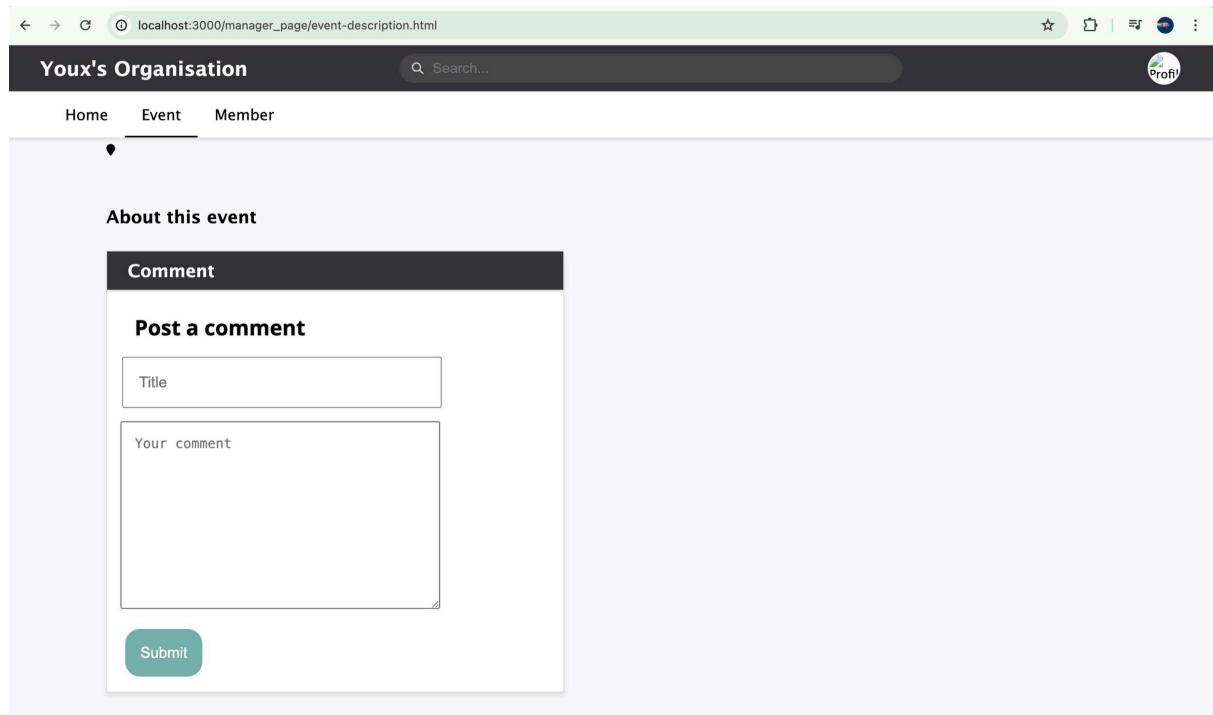


Figure: Post update

User Story: Event Management

As a Branch Manager, I want to be able to create and update events for the organization.

Acceptance Criteria:

- I can access an event management section within the manager's dashboard.
- I can create new events by providing details such as date, time, location, description, and any related information.
- I can update existing events with new information or make changes to event details as needed.

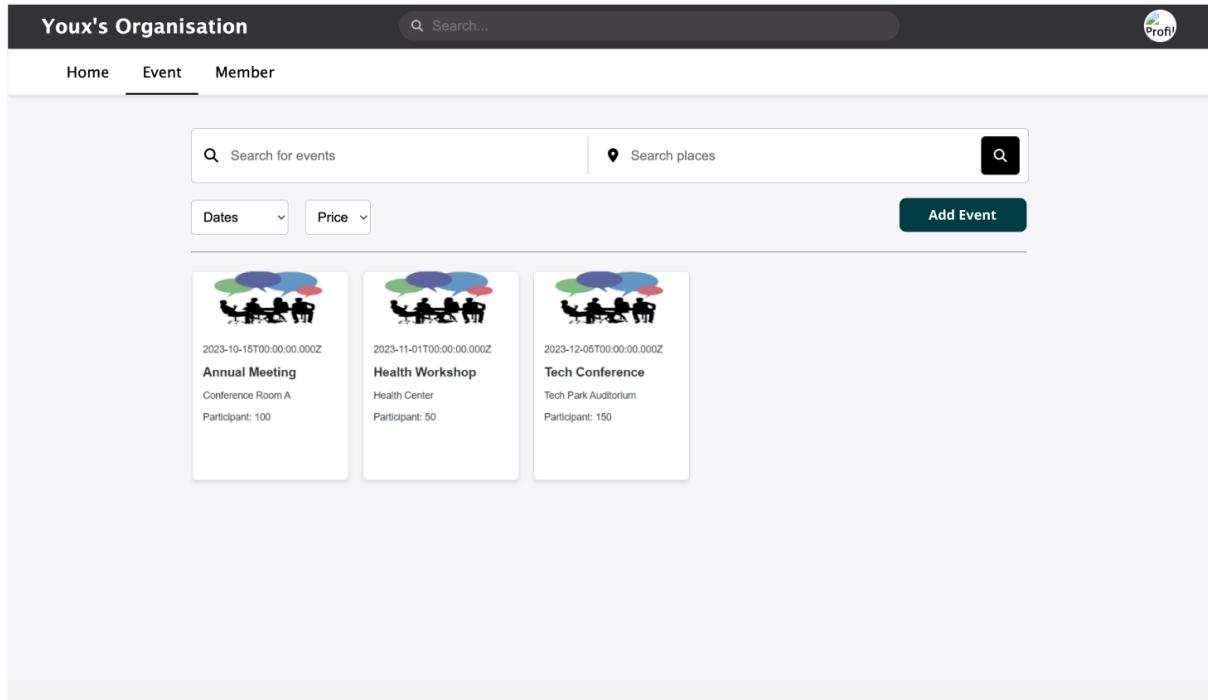


Figure: Event management

User Story: RSVP List

As a Branch Manager, I want to be able to see a list of members who have RSVP'd for each event hosted by the organization.

Acceptance Criteria:

- I can access an RSVP list or report within the manager's dashboard for each event
- The list displays the names of members who have RSVP'd for the event, along with their RSVP status (attending, not attending, etc.)
- The list is updated in real-time to reflect any changes in RSVPs

Username	Name	Event	Email	Date	Location	
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...
FIG-123	Nguyen Van A	Health Workshop	abc@gmail.com	Dec 5	Health care center	...

Figure: RSVP list

3.3. User Stories for System Admin:

User Story: Admin Login

As a System Admin, I want to be able to log in to the system using my admin credentials.

Acceptance Criteria:

- I can access the login page for admins through homepage. (1)
- I can enter my username and password to authenticate and log in successfully.(2)
- Upon successful login, I am directed to the admin dashboard or control panel.(3)

The screenshot shows a dark teal header with a white logo on the left, a search bar with a magnifying glass icon, and navigation links for Home, Organisations, Events, and About us. A red circle labeled '1' is drawn around the 'Events' link. To the right of the navigation is a light blue circular profile picture. Below the header, there are two main sections: 'Events' on the left and 'News' on the right. The 'Events' section features a photo of a woman and a child playing with blocks, with a caption about basketball exercises. The 'News' section shows three news items with small images and titles.

Figure: Click the log-in button on the top right of the homepage (1)

The screenshot shows a light green background with a dark teal header identical to the one in the previous figure. Below the header is a 'Log in' form. It includes a 'Continue with Google' button with a red circle labeled '2' over it. Below that is a 'Or continue with email' section with a red bracket labeled '3' over the 'Email address or user name' input field and the 'Password' input field. The 'Email address or user name' field has a placeholder 'Email address or user name'. The 'Password' field has a 'Hide' link next to it. At the bottom of the form are 'Remember me' and 'Log in' buttons.

Figure: Entering valid log-in credentials (2)(3)

User Story: Account Creation (SignUp)

As a new volunteer, I want to be able to create a new account from the homepage so that I can access member's features.

Acceptance criteria:

- I click the log-in button on the top right of the homepage which directs me to the log-in page.
- I click the "sign up here" words on the log-in page which leads me to the sign-up page. (2)
- I can fill in information including input fields for name, email, password, and any other required information. (3)
- After submitting valid sign-up details, I can redirect to the login page to continue login.

The screenshot shows a website with a dark teal header. On the left is a logo placeholder, followed by a search bar with a magnifying glass icon. To the right are navigation links: Home, Organisations, Events, and About us. A user profile icon with a red circled '1' is on the far right. Below the header, there are two main content areas. The left area is titled 'Events' and features a large image of a woman and a child playing with blocks. Below the image is the date '04 June 2023' and the title '5 Exercises Basketball Players Should Be Using To Develop Strength'. A small note at the bottom states the article was written by Jake Willhoite from Healthlisted.com. The right area is titled 'News' and shows three news items with images, titles, and brief descriptions. A red circle with the number '1' is drawn around the user profile icon in the header.

Events

04 June 2023

5 Exercises Basketball Players Should Be Using To Develop Strength

This article was written by Jake Willhoite from Healthlisted.com Strength in basketball isn't all about a massive body mass or ripped muscles.

News

Race98 - 03 June 2023
Earthday volunteer need!

NEW YORK—A 6-year-old horse died after being injured in a race at Belmont Park ahead of next week's

JonyLs - 03 June 2023
Adelaide Bicycle Open Ceremony

Last year, Savilla Blunk took a more conservative approach to her first season as an Elite Class athlete, skipping some

KingF - 03 June 2023
Adelaide university graduation

Boxing star Ryan Garcia and his promoter, Hall of Fame fighter Oscar De La Hoya, reignited their war of words via Twitter on

User Agreement Help Center Terms of Service Privacy Policy Cookie Policy Community Guidelines Send feedback @2024WDCProject

Figure: Click the log-in button on the top right of the homepage (1)

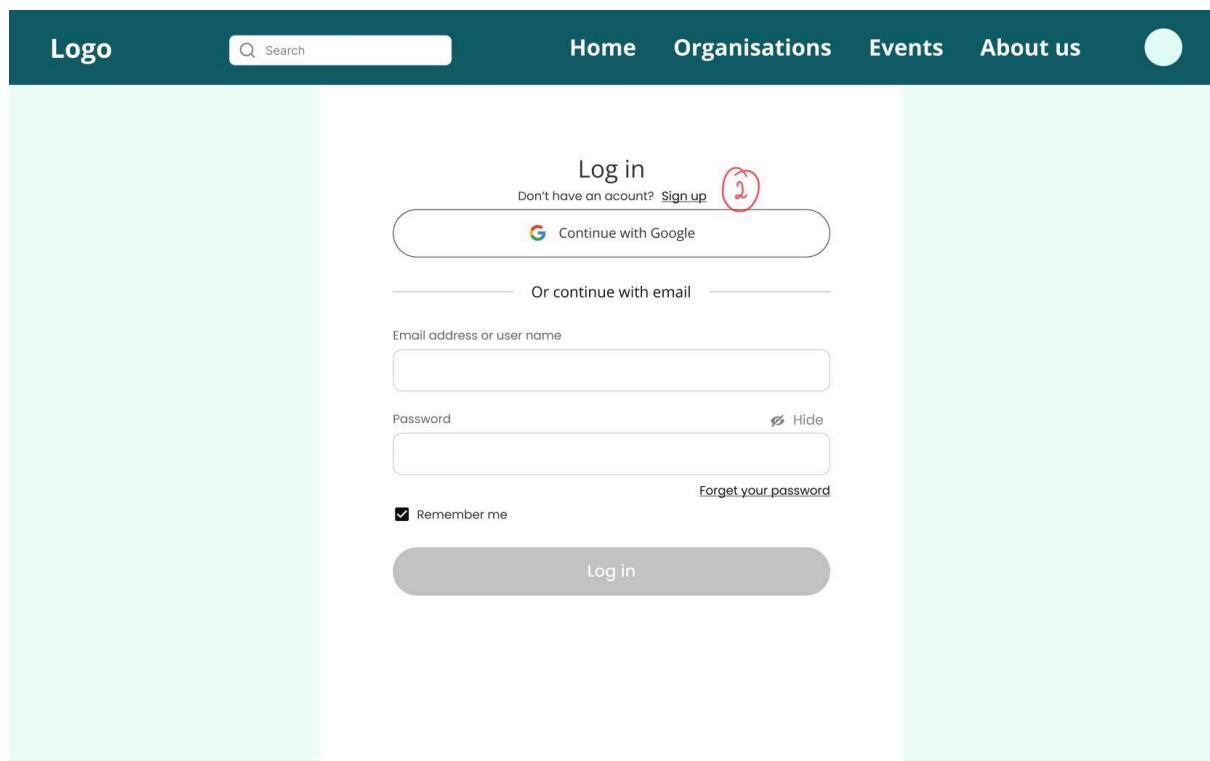


Figure: Click the "sign up" words on the log-in page (2)

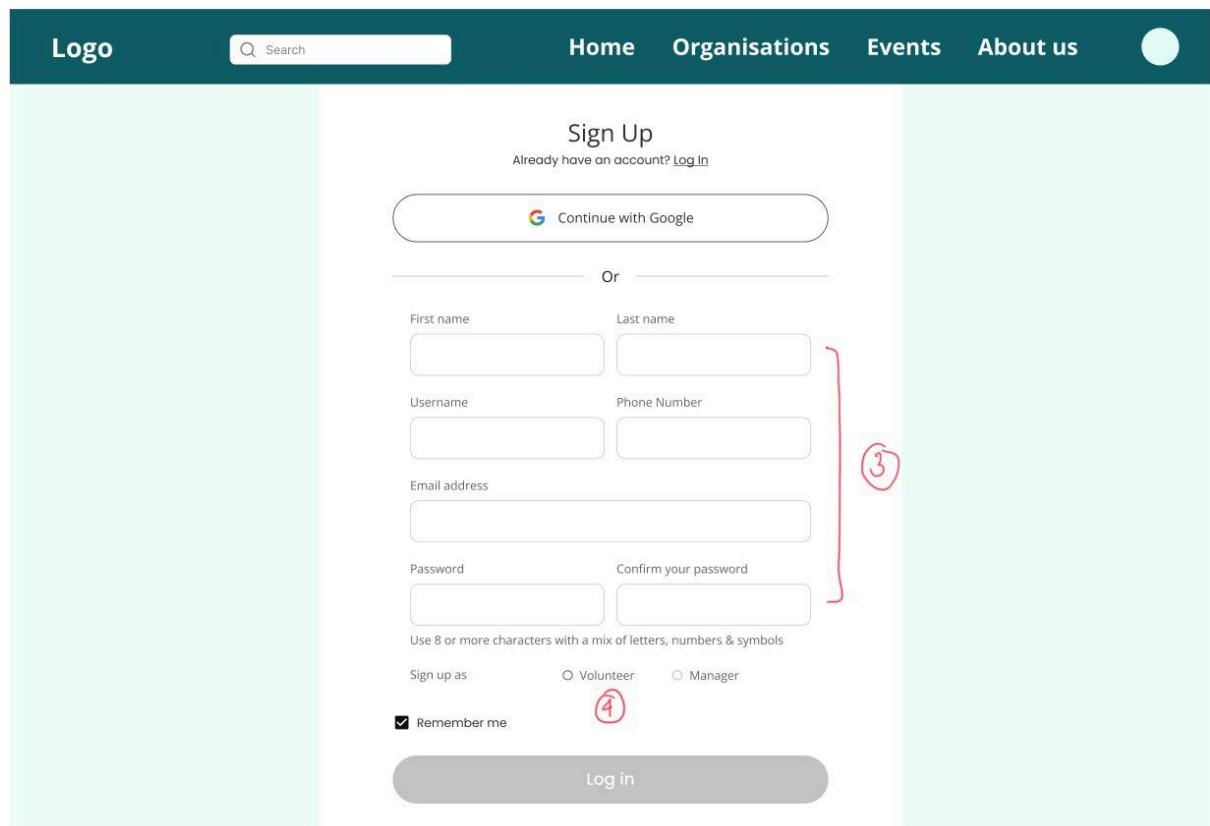


Figure: Fill in information and select role 'volunteer' (3)(4)

User Story: Handling Failed Log-In Attempts for Admin

As an admin attempting to log in, I want to be informed and guided if my log-in attempt fails due to incorrect username/email or password.

Acceptance Criteria:

- If I enter an incorrect username/email or password during the log-in process as an admin, I receive a clear error message indicating the failure.
- The error message prompts me to check and correct my log-in credentials.
- The system does not reveal specific details about whether the username/email or password was incorrect to maintain security.

User Story: Profile Management

As a System Admin, I want to be able to update my profile information such as my name, contact details, and other relevant information.

Acceptance Criteria:

- I can navigate to the profile settings section after logging in as an admin.
- I can edit and update my name, contact details, and any other profile information as needed. (1)
- Changes made to my profile are saved and reflected in the system.(2)

The screenshot shows a web application interface for managing users. The left sidebar has a 'People' section with 'Manage Users' selected. The main area has a 'Manage Users' heading. It displays a placeholder profile for 'John Doe' with the identifier '@FIG-123'. Below it is a form with fields for Roles (Manager, Member), First Name (John), Last Name (Doe), Username (@FIG-123), Password (redacted), Email (johndoe@gmail.com), and Phone (+61 403 594 034). There are 'Save changes' and 'Revert changes' buttons. A red circle labeled '1' points to the 'Edit' button next to the phone number. A red circle labeled '2' points to the 'Edit' button next to the first name. The bottom section shows a table of users with columns: Username, Name, Email, and Roles. The table lists three users: John Doe, Nguyen Van A, and Nguyen Van A. Each row has an 'Edit' button and a 'More' button (three dots).

Username	Name	Email	Roles
FIG-123	John Doe	johndoe@gmail.com	Manager, Member
FIG-123	Nguyen Van A	abc@gmail.com	Administrator, Manager, Member
FIG-123	Nguyen Van A	abc@gmail.com	Member

Figure: Profile management

User Story: User Management

As a System Admin, I want to be able to view a list of all users registered in the system and edit their information if necessary.

Acceptance Criteria:

- I can access a user management section within the admin dashboard.(1)
- I can view a comprehensive list of all users registered in the system, including regular users, managers, and other admins. (2)
- I can select and edit the information of any user if necessary, such as updating their contact details or role.(3)

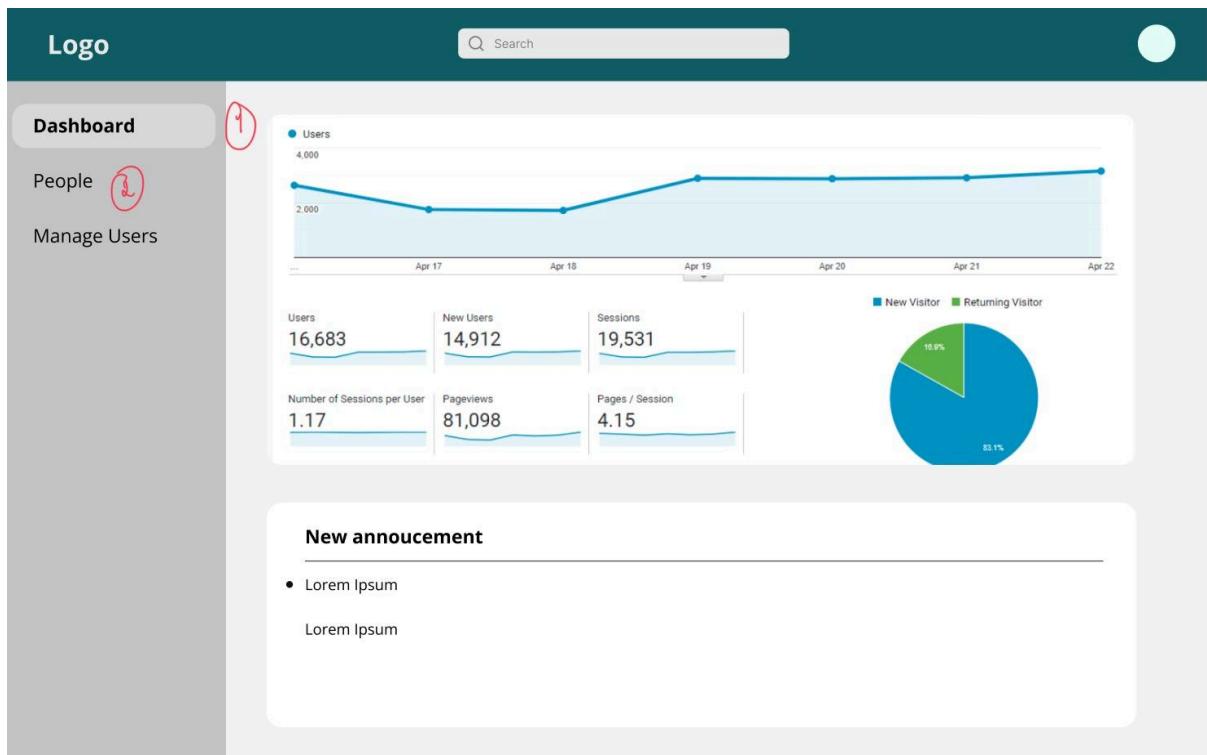


Figure: Access from admin dashboard

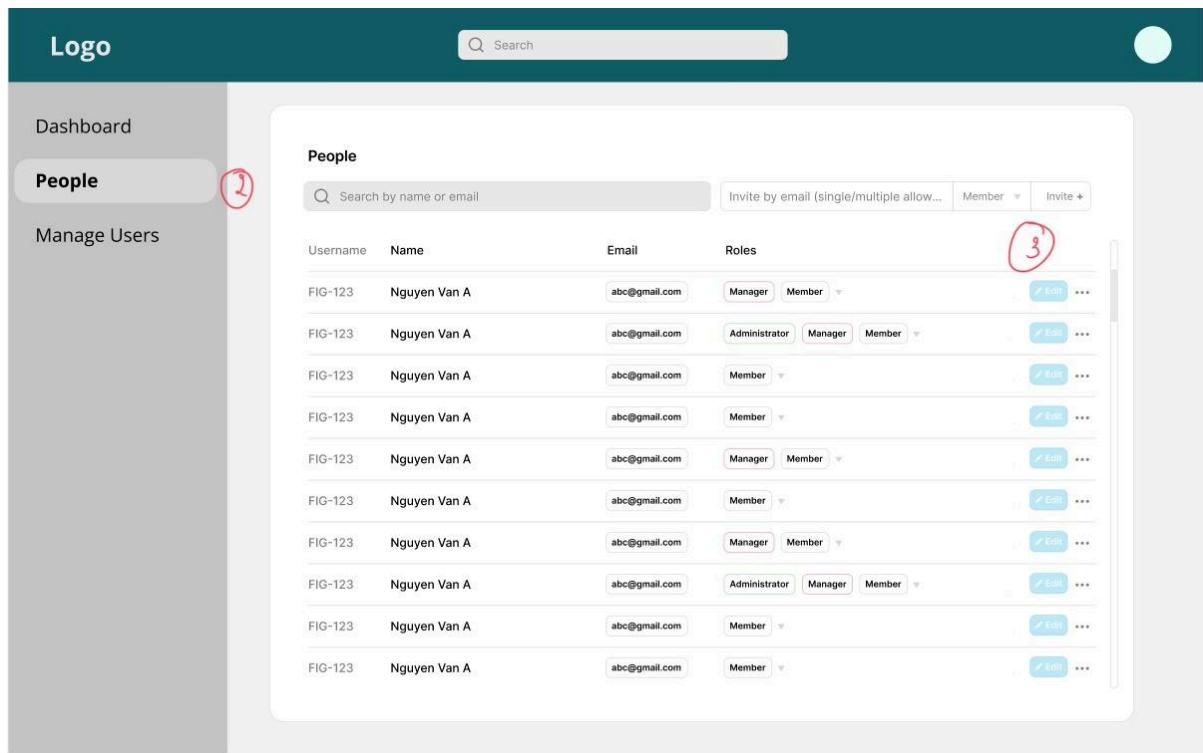


Figure: Edit volunteer/manager information

User Story: Role Management

As a System Admin, I want to be able to manage user roles, including promoting regular users to managers or admins.

Acceptance Criteria:

- I can access a role management feature within the admin dashboard. (1)
- I can view the current roles assigned to each user in the system. (2)
- I can promote regular users to manager or admin roles by changing their permissions and access levels accordingly. (3)

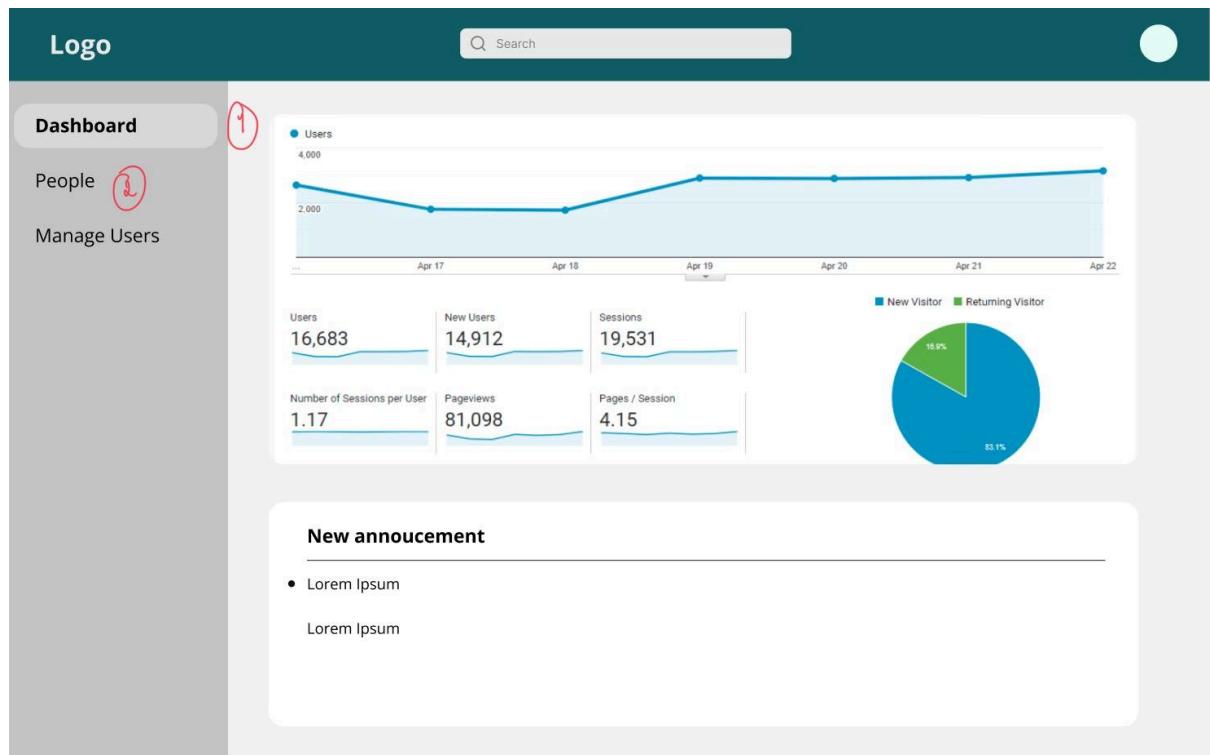


Figure: Access from admin dashboard

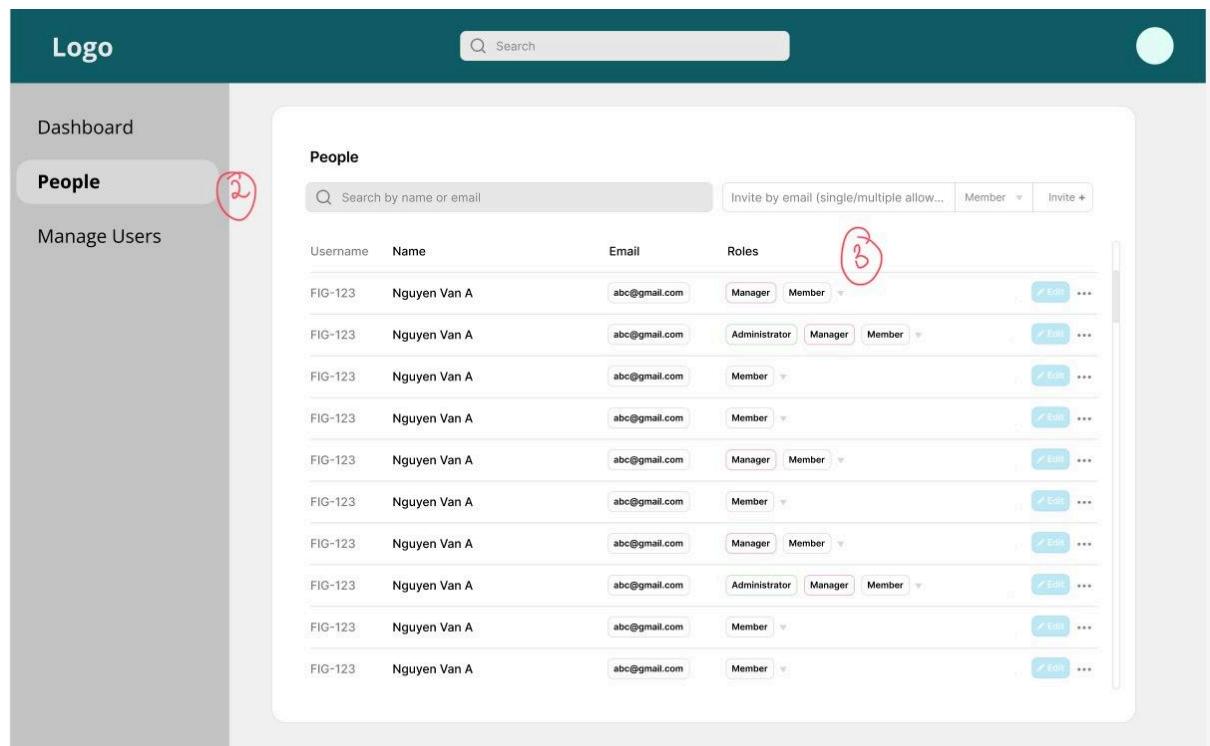


Figure: Admin Role management

User Story: Branch Management

As a System Admin, I want to be able to manage branches of Volunteer Organizations, such as creating new branches or editing existing ones.

Acceptance Criteria:

- I can access a branch management section within the admin dashboard.
- I can view a list of existing branches of Volunteer Organizations.
- I can create new branches by providing necessary details such as branch name, location, and contact information.
- I can edit existing branches, updating their information or making changes as required.

User Story: Admin Registration

As a System Admin, I want to be able to sign up other admins by creating new admin accounts and assigning them appropriate permissions.

Acceptance Criteria:

- I can access an admin registration feature within the admin dashboard.
- I can fill in necessary details to create a new admin account, such as username, password, and contact information.
- I can assign appropriate permissions and access levels to the new admin account, specifying which features and functionalities they can access.

3.4. User Story for Non-Member Viewer:

As a non-member of a Volunteer Organization, I want to be able to view public news and events hosted by the organization so that I can stay informed about their activities and potentially decide to join in the future.

Acceptance Criteria:

- I can access the organization's website or app without needing to log in.
- I can see public news updates posted by the organization, such as news and events at homepage. (1)
- I can view a list of upcoming events hosted by the organization that are marked as public. (2)
- For each event, I can see basic details such as the date, time, location, and a brief description. (3)

Events



04 June 2023

5 Exercises Basketball Players Should Be Using To Develop Strength

This article was written by Jake Willhoite from Healthlisted.com Strength in basketball isn't all about a massive body mass or ripped muscles.

News



Race98 - 03 June 2023
Earthday volunteer need!

NEW YORK—A 6-year-old horse died after being injured in a race at Belmont Park ahead of next week's



Jony Ls - 03 June 2023
Adelaide Bicycle Open Ceremony

Last year, Savilia Blunk took a more conservative approach to her first season as an Elite Class athlete, skipping some



King F - 03 June 2023
Adelaide university graduation

Boxing star Ryan Garcia and his promoter, Hall of Fame fighter Oscar De La Hoya, reignited their war of words via Twitter on

Figure: Homepage that non-member can access

Figure: Public event (2), with brief information (3)

4. Feedback

Tutor review

During Week 7 of our workshop, we gathered valuable feedback from our tutor regarding the code and design aspects of our project. This feedback has provided us with insightful perspectives on areas of improvement and enhancement, guiding us in refining our Volunteer Organization Platform System. In this report, we will delve into the specific feedback received, addressing key features, design considerations, and recommendations for enhancing the overall functionality and user experience of our platform.

Features

- Sign-up/log-in functionality at the top right corner lacks the dropdown box for user role selection, which is an essential aspect of role-based permissions and user experience.
- The feature to edit/change user info for the manager role is not yet completed, hindering the platform's functionality for managers to manage their profiles and information.
- The RSVP concept, allowing users to confirm their attendance at events, hasn't been implemented yet, which is crucial for event planning and participant management.
- Managers should have the ability to list events and track participation, providing them with comprehensive event management capabilities.
- Users should be able to view event details such as time, location, and organization level announcements for both new events and updates.

Design

Overall: There are still these feature gaps and design considerations to be addressed in order to improve the user experience

- Accessibility concerns include color contrast issues that impact readability and user experience. Ensuring sufficient contrast between text and background colors is crucial for users with visual impairments or those viewing the platform on different devices.

- Padding is not uniformly applied, leading to inconsistencies in spacing between elements. Consistent padding enhances visual clarity and readability.
- Implementing the ability to navigate elements using the tab key (keyboard navigation) would improve accessibility and user convenience.

Manager Page: The design appears simple and lacks appeal, which may impact user engagement and satisfaction. Exploring design inspirations from platforms like Dribbble can provide insights into modern and visually appealing UI/UX designs.

Sign up/Log in Page: The sign-up page is well-designed and user-friendly, receiving positive feedback for its simplicity and ease of use.

Peer review

Reviewer: Group 11

Summary

Group 92 has developed a website design and implemented several features for their project. The website includes sections for news and events, displayed side by side for improved user engagement and visibility. All features requested in the requirements have been included.

Strengths

- **Feature Completeness:** The website includes all the features outlined in the requirements, which demonstrates thoroughness and attention to detail.
- **Functional Layout:** The side-by-side layout for news and events sections is a strong point, as it effectively organizes information and enhances user engagement.

Areas for Improvement

- **Design Consistency:** The overall design lacks unity. Different members of the group have used varying styles in their CSS and HTML, resulting in an inconsistent look and feel across the website. Establishing a unified design standard would greatly improve the visual coherence.

- **Theme Consistency:** There is inconsistency in the main theme colors, fluctuating between green and black (in figma design). A consistent color scheme would make the site more visually appealing and professional.
- **Visual Appeal:** The current design is functional but not particularly appealing. Enhancing the aesthetics with more cohesive styling, better use of color, and engaging visual elements would make the site more attractive to users.

Overall, while the feature implementation is strong, focusing on unifying the design and enhancing the visual appeal will significantly improve the user experience.

5. Review

Design

In our design review, we assessed each aspect based on usability heuristics, kinetic elements, cognitive load considerations, and accessibility standards. Here are the key findings:

Usability Heuristics: We tried to ensure clear navigation, user control, consistent design, and error prevention measures for a smooth user experience.

More specifically, for the Visibility of system status, our design effectively communicates system status through clear navigation cues, thus users can easily understand their current location and actions. Besides, for User control and freedom, users have control over their actions, with clear options for navigation, editing profiles, and managing events. Undo options are available where applicable.

Kinetic Elements: Our design currently has minimal animation and transitions, which are planned to be added in later stages of the project. These animations will enhance user engagement and provide visual cues for interactions, contributing to a more dynamic and appealing user experience. On the other hand, the design is responsive, ensuring optimal usability across various devices and screen sizes. Elements adjust dynamically to provide a consistent and user-friendly experience.

Cognitive Load: Information that is stated in the website was organized logically and presented clearly with clear hierarchies, categories, and labels that reduce cognitive

load and mental strain on users. And, as clarified in the design section, our Volunteer Website design prioritizes simplicity and clarity, avoiding unnecessary complexity or clutter that can overwhelm users and increase cognitive load.

Accessibility: However, while the color palette was initially chosen for its aesthetic appeal, we identified accessibility concerns regarding color contrast. To address this, we have updated the color combinations to ensure sufficient contrast and readability, particularly for users with visual impairments or color deficiencies.

This is our group's initial basic design for the website.

The screenshot shows the homepage of a website titled "Your's Organisation". At the top, there is a dark header bar with the title "Your's Organisation" on the left, a search bar in the center containing the placeholder "Search...", and user profile icons on the right labeled "Your Profile" and "Logout". Below the header is a main content area divided into several sections. On the left, there is a "Events" section with a table showing three entries: "Annual Meeting" (100 participants, date 2023-10-15, location Conference Room A), "Health Workshop" (50 participants, date 2023-11-01, location Health Center), and "Tech Conference" (150 participants, date 2023-12-05, location Tech Park Auditorium). To the right of the events is an "Announcement" section containing four items: "New Announcement !", "New Announcement !", "New Announcement !", and "New Announcement !". Further to the right is a "Members" section listing five names: Duc Nam Khanh Le, Minh Duc Kieu, Thi Phuong Thao Truong, and Khoi Lu. At the bottom of the page is a horizontal navigation bar with links for "Home", "Events", "Announcements", "Members", and "Logout".

Figure: Organisation page

The screenshot shows the "User Profile" page. The header is a dark teal bar with the title "User Profile". Below the header, there is a form with fields for "User Avatar", "Email:", "Phone:", "Location:", and "Role:". At the bottom of the page is a "Log Out" button.

Figure: My profile page

Health Workshop

Activities details

Workshop on healthy living and wellness.

Date: 2023-11-01T00:00:00.000Z

Location: Health Center

Comment

Post a comment

Title

Your comment

Submit

Figure: Event detail

Login

Enter your email

Enter your password

Forgot password?

Login

Sign in via Google

Don't have an account? [Signup](#)

Figure: Login page

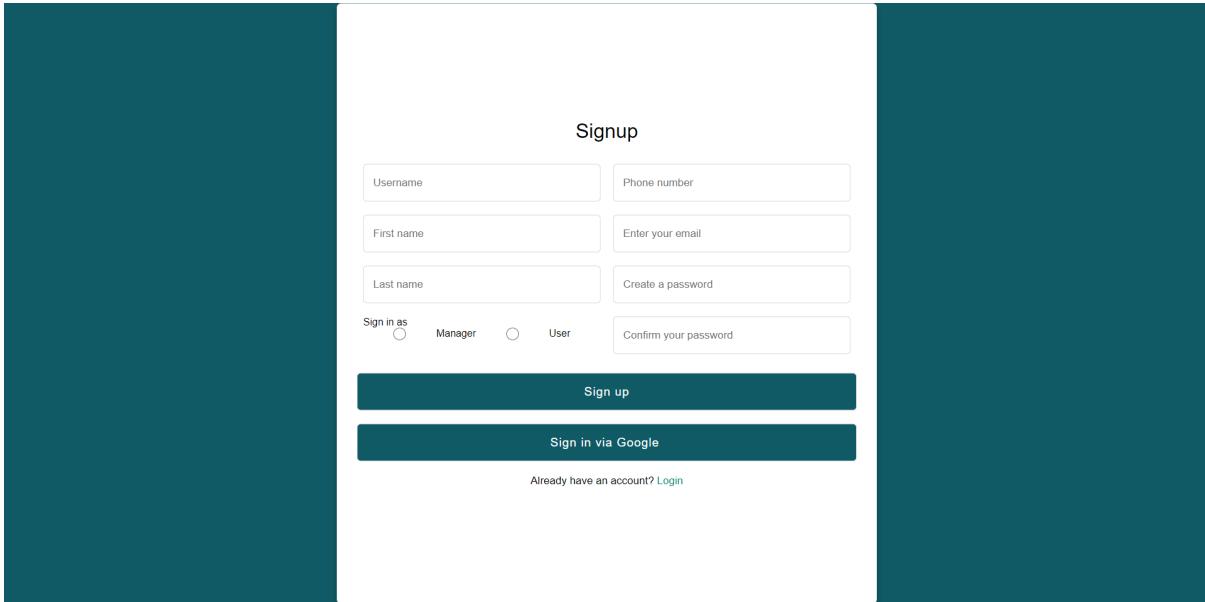


Figure: Signup Page

Data Plan

Initially, our group's data plan was primarily focused on fulfilling feature requirements without giving due consideration to user experience. This approach led to several shortcomings, particularly in terms of essential functionalities such as the ability to cancel events, delete participants or members, and unregister from events.

One of the critical drawbacks of our data plan was the absence of a robust cancel feature. Users included volunteers, managers and admins were unable to delete events, remove participants from events, or delete members from the platform. This limitation significantly impacted the usability and flexibility of the system, as users had no means to manage their events or memberships effectively.

Another significant issue was the lack of an unregistered option for events. Users who had registered for an event but later wished to withdraw their participation were unable to do so through the system. This lack of flexibility created frustration among users and hindered their overall experience with the platform.

Data schema

Our implementation of the data schema initially focused on a single organization and a single branch, overlooking the requirement for multiple branches within the

website. For instance, an organization may have several branches across different locations like Adelaide, Sydney, and Melbourne. Additionally, users should have the ability to register for events across multiple branches, and there may be group managers appointed for each branch.

The lack of support for multiple branches within our data schema poses a significant limitation to the functionality and scalability of the website. Users are unable to explore events or opportunities across different branches, restricting their engagement and participation within the organization. Moreover, the absence of branch-specific managers hinders effective management and coordination at the branch level.

To address these shortcomings, it is crucial to enhance our data schema to accommodate multiple branches within the organization. This includes implementing features such as branch selection for event registration, branch-specific manager roles, and seamless navigation between branches for users.

6. Changes

Design

We implemented several fixes based on feedback from our tutor and review of our group members to improve accessibility on the manager page. One significant change was switching the main color from green to white, which improves overall visual design and readability. While we retained the green theme, it is now used more subtly in elements like headers, footers, or titles.

Another notable enhancement is the transition from a list layout to a grid layout on the Event management page for managers. This modification allows us to display more comprehensive information about each event, improving both kinetic and cognitive perspectives. The grid layout makes it easier for managers to scan through events quickly and efficiently, enhancing their overall experience and productivity.

The screenshot shows a dark-themed web application interface. At the top, a header bar includes the text "Youx's Organisation" on the left, a search bar with placeholder text "Search...", and a user profile icon with the name "Profile" and a "Logout" link on the right. Below the header is a table titled "Events" with columns: Event Name, Number of participants, Date, and Location. The table lists three events: "Annual Meeting" (100 participants, 2023-10-15, Conference Room A), "Health Workshop" (50 participants, 2023-11-01, Health Center), and "Tech Conference" (150 participants, 2023-12-05, Tech Park Auditorium). To the right of the events table are two smaller boxes: "Announcement" containing four entries all labeled "New Announcement!" and "Members" listing five names: Duc Nam Khanh Le, Minh Duc Kieu, Thi Phuong Thao Truong, and Khoi Lu.

Figure: Original design of Events page (of manager)

The screenshot shows a light-themed web application interface. At the top, a header bar includes the text "Youx's Organisation" on the left, a search bar with placeholder text "Search...", and a user profile icon with the name "Profile" and a "Logout" link on the right. Below the header is a navigation menu with links "Home", "Event" (which is underlined, indicating it is the active page), and "Member". The main content area features a search bar with fields for "Search for events" and "Search places", and dropdown menus for "Dates" and "Price". Below the search bar are three event cards, each with a small icon of people at a table, a date, an event name, a location, and a participant count. The first card is for the "Annual Meeting" (2023-10-15, Conference Room A, 100 participants). The second is for the "Health Workshop" (2023-11-01, Health Center, 50 participants). The third is for the "Tech Conference" (2023-12-05, Tech Park Auditorium, 150 participants).

Figure: Adjusted Event page

Data plan

We have added notable features to the data plan as noticed in the review section. For example, there has been an updated “Create new branch” featured for admin, update to our of mixing branches or “Delete User”.

Update Users (Admin)	Admins manage user actions such as editing users	Beside each user there will be a button to update a new user, when clicked, it will forward the admin to a subpage containing a form for all the field such as email, first name, last name etc to update a new user.	JSON formatted Array AJAX request containing the user information: <pre>{ "Email": "[the user email]", "First_Name": "[the user first name]", "Last_Name": "[the user last name]", "Password": "[password]", "Phone_number": "[Phone number]", "Role": "[Manager or Member]" }</pre>	Client-side check if all information have been filled out. Server-side check if there exists an user with the same credentials in the database, the system would create a new user.	Indicate success or failure of the action. Use JavaScript for UI feedback or notify relevant users. <pre>{ "success": true, "message": "update user successful" } } or { "success": false, "message": "unable to update user failed" }</pre>	POST request /manage/users/update	AJAX request should include CSRF tokens or other security measures. Use HTTPS for secure transmission. Admin privileges required.
Delete Users (Admin)	Admins manage user actions such as removing users	Beside each user there will be a button to delete a new user, when clicked, it will reload the page and remove the user from the database	JSON formatted AJAX request containing: <pre>{ "UserID": "[the user ID to delete]" }</pre>	Server-side check if there exists an user with the same credentials in the database, the system would delete that user.	Indicate success or failure of the action. Use JavaScript for UI feedback or notify relevant users. <pre>{ "success": true, "message": "delete user successful" } } or { "success": false, "message": "unable to delete user failed" }</pre>	POST request /manage/users/delete	AJAX request should include CSRF tokens or other security measures. Use HTTPS for secure transmission. Admin privileges required.
Create new branch	Admin can create a new branch for organisation.	Admin can go to branch page and click on "create" button to create a new branch.	JSON formatted AJAX request containing the branch information: <pre>{ "Branch_name": "[Name of branch]", "Address": "[Address of branch]", "Contact": "[Phone number, email or others contact information of the branch]", "Manager_ID": "[ID of the manager]", "Description": "[A short text to describe the branch, its mission, or any other relevant information]" }</pre>	Logging new changes to Branch table in database.	Indicate success or failure of the action. Use JavaScript for UI feedback or notify relevant users. <pre>{ "success": true, "message": "Create new branch successful" } } or { "success": false, "message": "Unable to create new branch" }</pre>	POST request /branch/create	AJAX request should include CSRF tokens or other security measures. Use HTTPS for secure transmission.

Figure: Updated Admin features in Data plan

Data schema

As mentioned in the Review section, our group has been trying to add Branches to the data schema. This update has enhanced the database's structure by associating users, events, and updates with specific branches.

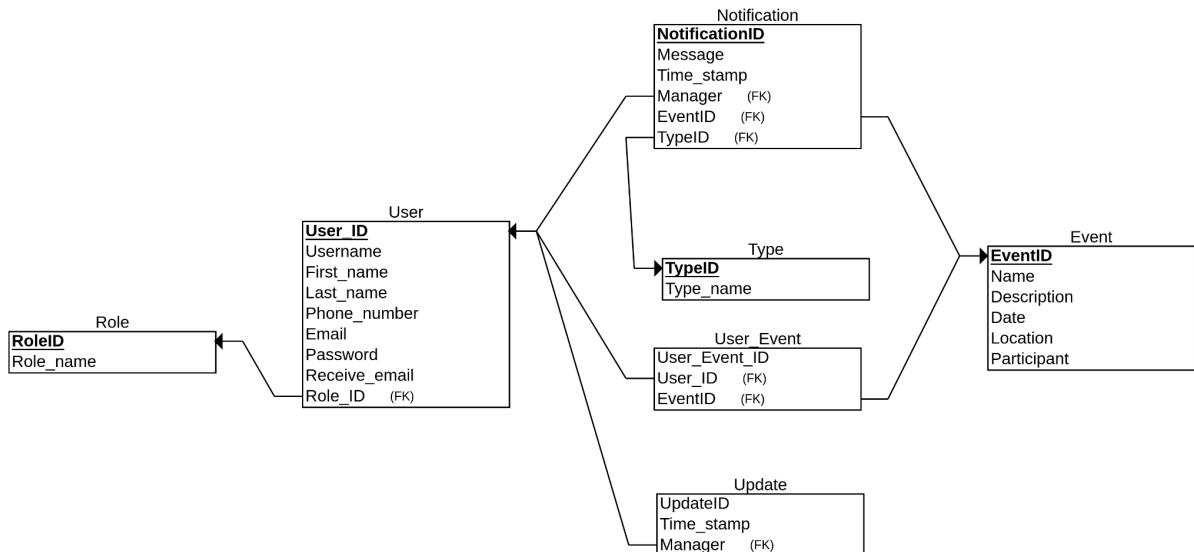


Figure: Initial database schema

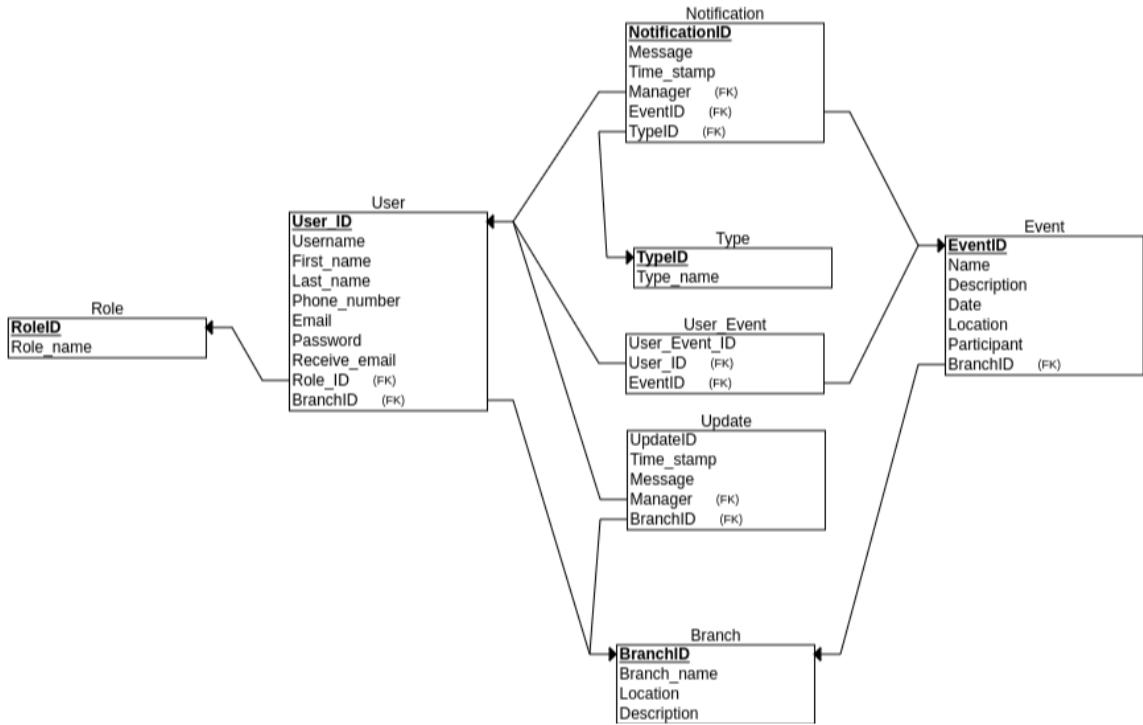


Figure: Updated database schema

Compared with the initial database schema, the addition of the ‘Branch’ table introduces several new attributes and foreign keys (FKs) to the database schema, along with key relationships. The ‘Branch’ table itself includes attributes such as ‘BranchID’ (the primary key), ‘Branch_name’, ‘Location’, and ‘Description’.

In terms of foreign keys, the BranchID is now a foreign key in three other tables: User, Event, and Update. In the User table, BranchID links each user to a specific branch, indicating which branch they are associated with. Similarly, in the Event table, BranchID indicates where the event is held, providing a clear reference to the branch location. In the Update table, BranchID specifies which branch the update pertains to, ensuring that updates can be accurately attributed to the correct branch.