

# Website Pages Design for FoodBank Australia

## Project Introduction

FoodBank Australia is dedicated to combating food insecurity and supporting vulnerable communities across the country. To achieve this mission, we developed this website to better serve and connect our community volunteers, donors, and beneficiaries. The design and functionality of the site are aimed at providing easy access to information, volunteer registration, donations, and resource distribution.

## Roles Overview

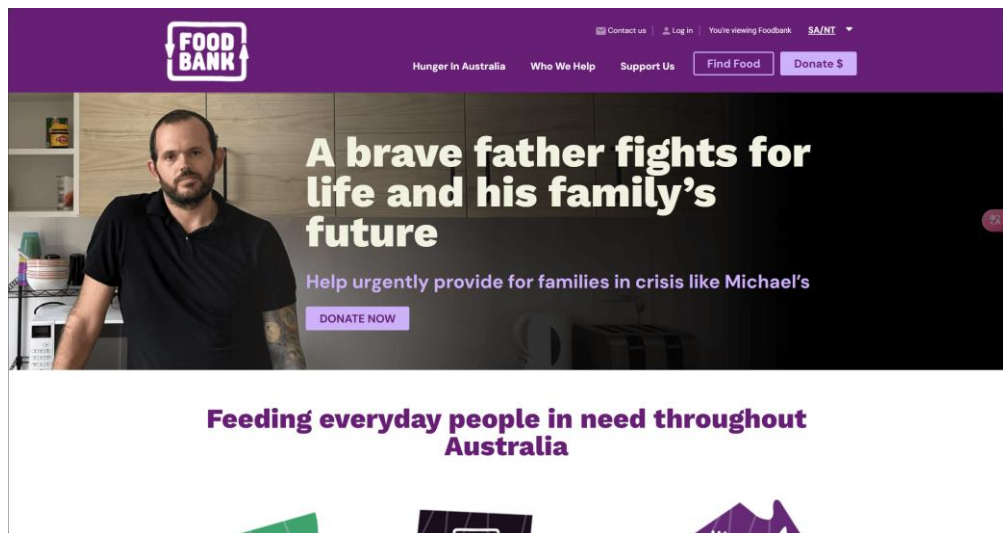
**General Users:** Can browse site information, find food distribution locations, register as volunteers or donors, and log into their accounts to manage personal information.

**Administrators:** Responsible for the overall management of the website, including user information management, branch updates, and website maintenance.

**Managers:** Manage specific food distribution centers, including resource allocation, volunteer coordination, and data reporting.

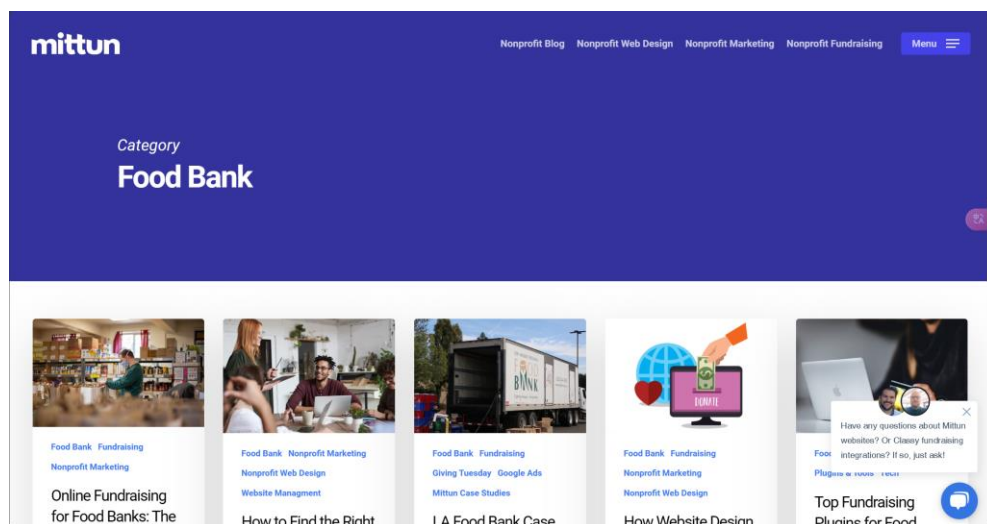
## Precedents Research

### 1. Foodbank Australia:



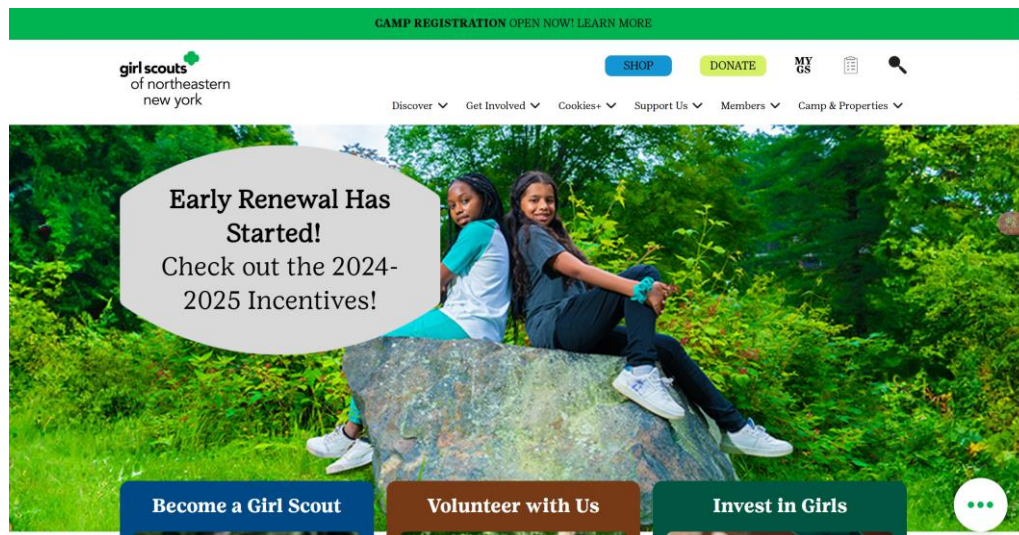
Use eye-catching colors, such as purple and white, to attract users' attention and reinforce thematic information with relevant icons. A good visual layout not only helps users understand the information better, but also reduces visual fatigue, especially for users who spend a lot of time browsing charity information. The website offers an online donation function, as well as a detailed guide to food donation and volunteering.

### 2. Mittun's Food Bank Website Design:



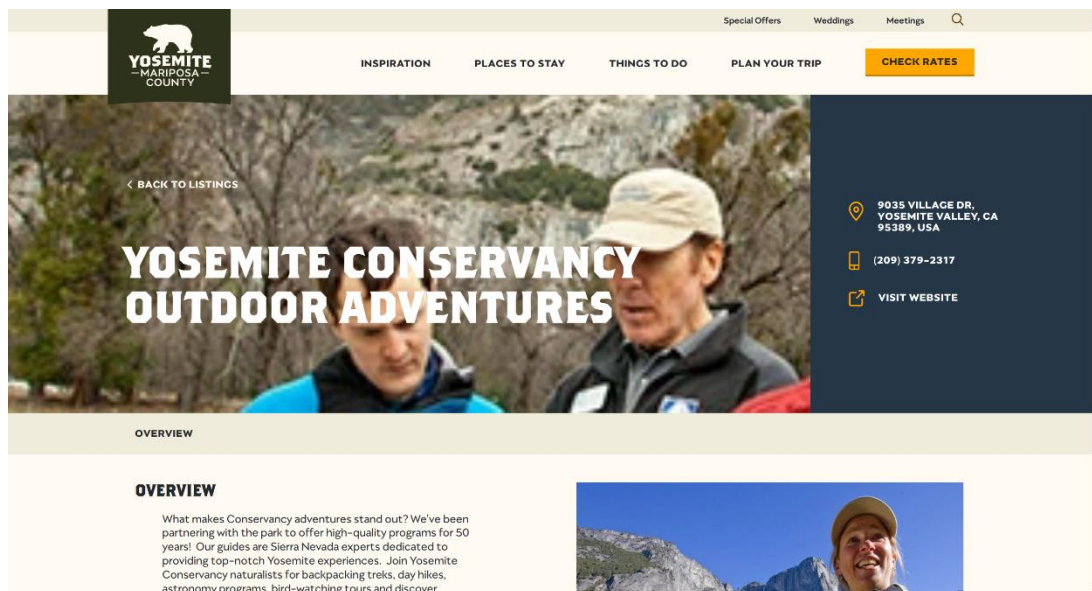
Stylized with a focus on clear calls to action and strong visual elements to promote donations and participation. Structurally the design considers the user's navigational path and ensures that the donate button is clearly visible on every page. The site emphasizes storytelling, connecting donors and recipients through personal stories and community impact.

### 3. Girl Scouts of Northeastern New York:



For text content, use large, clear fonts, such as Arial or Helvetica, as well as adequate line spacing and margins to improve the reading experience. Clear typography and easy-to-read fonts are key factors in improving website usability.

#### 4. Yosemite Conservancy:



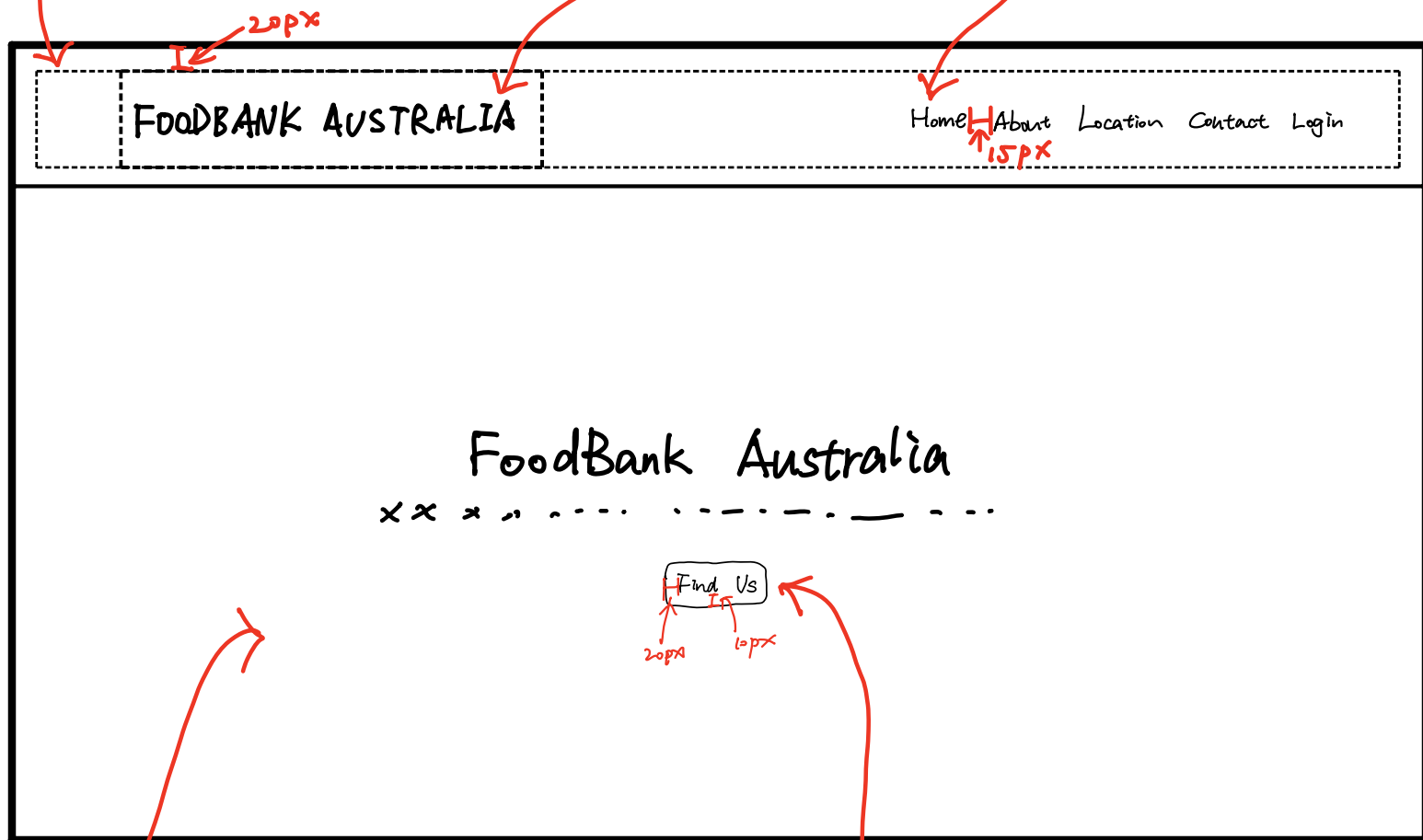
Providing a clear information architecture allows users to easily find the information they are interested in without having to go through complex paths. This direct and clear navigation structure helps to increase user engagement and the overall effectiveness of the site.

Home page:

Navigation bar : Height : 85 px  
Padding : 20px  
Font : 16 px

Logo: Color : black  
Font : 26.4px

list: Padding 0px 15px



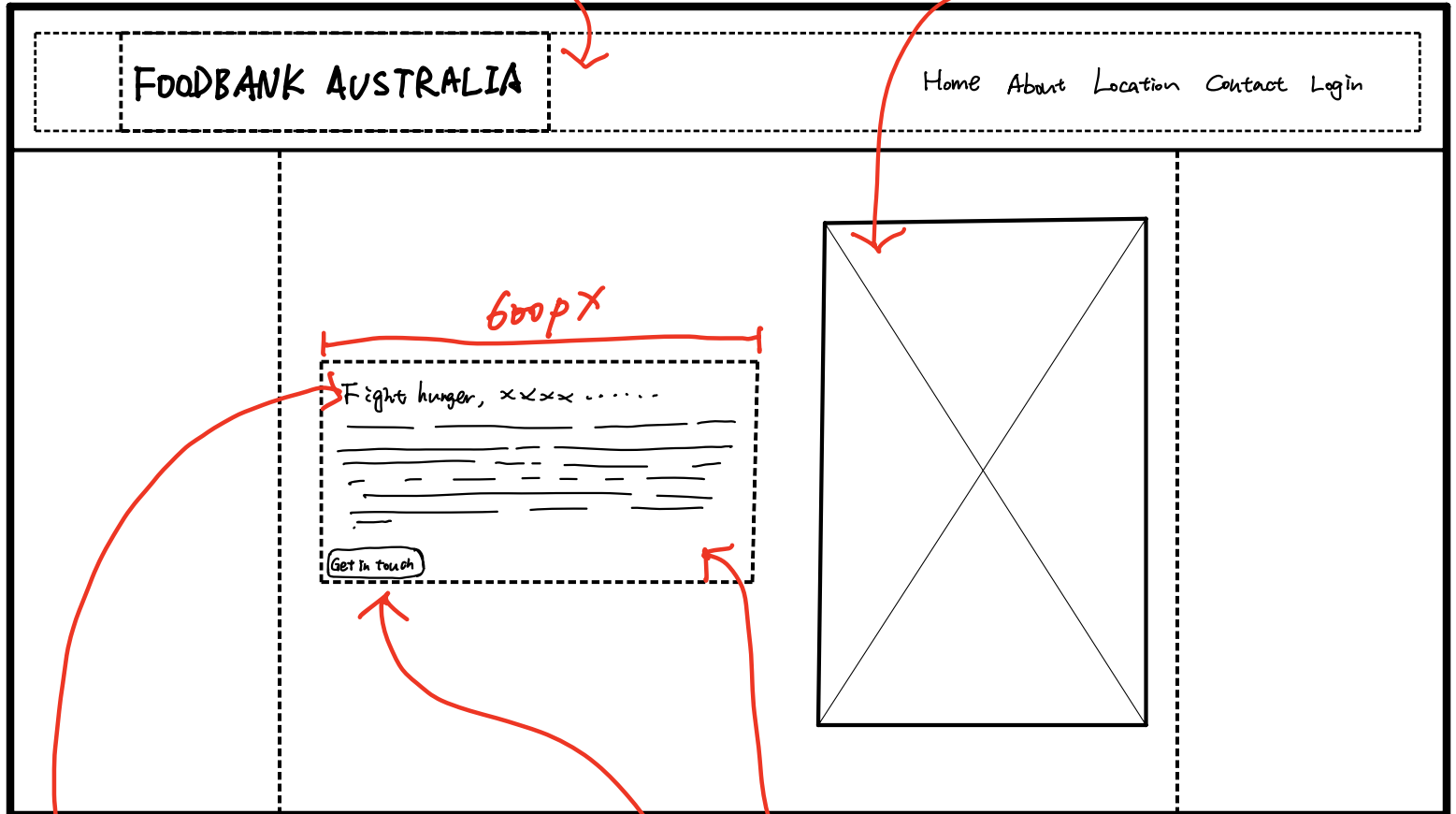
Hero picture

Hero-button: Font : 18px  
Padding : 10px 20px  
Color : green

# About page:

Nav bar : SAME as Homepage

Picture



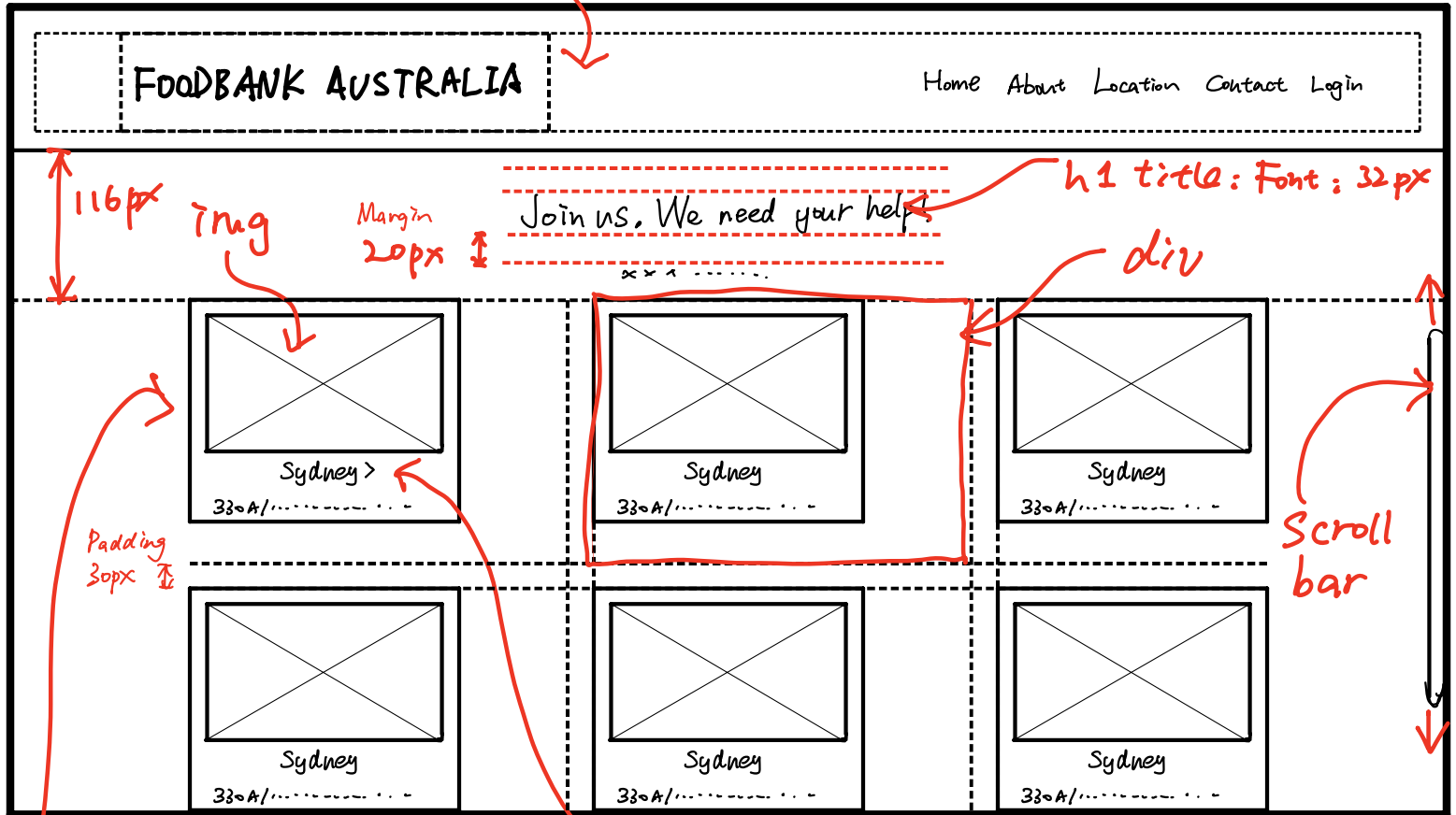
h1 Title: Font: 32px  
Margin: 21.44px

text-content: width: 600px

p: Font: 16px  
button: Font: 16px  
Color: blue

# Location page

Nav bar : SAME as Homepage



div: padding: 15px

h2 title: Font: 18px  
link to branch page

# Login and Register Page

box: width: 90 vw  
height: 90 vh

div: Height: 450px  
Width: 360px

h1 Title: Font: 40px  
Font: 16px Bold

The diagram shows a page layout with a main container divided into two sections. The left section contains a login form, and the right section contains a feed placeholder.

**Login Form:**

- Header: **LOGIN** (Font: 20px)
- Form fields: Start, Email, Password.
- Validation: Must be at least 8 characters.
- Buttons: Get Started, Facebook (with 'f' icon), Register.
- Dimensions: 15px margin at the top, 50px height for the 'Get Started' button, 10px height for the 'Facebook' button.
- Spacing: 5% margin on the left and right.

**Feed Placeholder:**

- Text: Feed Hope .xxx
- Image: img (with a diagonal line through it)

Span: Font 14px  
tip

input: padding: 10px

[a href="register.html"](register.html) (Login)

or  
[a href="login.html"](login.html) (Register)

# User Page

Nav bar : SAME as Homepage

Sidebar: Font : 16px

Padding: 20px

Width: 280px

h2 Title: Font: 24px

FOODBANK AUSTRALIA

Home About Location Contact Login

Dashboard

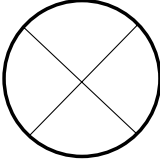
Personal Info

Security

Organization Activities

Logout

Welcome to Your Profile



**Username :** XXX

Email : XXX @ XXX . com

Fullname :

Age :

Branch :

Edit User Info

240px

80px

margin 16px

user img

Font: 16px


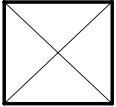
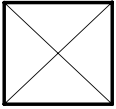
bold

Padding : 20px



## Dashboard

[Personal Info](#)[Security](#)[Organization Activities](#)[Logout](#)

Activity Name	Date	Participants	Description	Join
 xxx activity <i>Font: 16px</i>	2024-05-15	50 people	Help with .....	<input checked="" type="checkbox"/>
	2024-05-15	50 people	Help with .....	<input checked="" type="checkbox"/>
	2024-05-15	50 people	Help with .....	<input checked="" type="checkbox"/>

# Manager / Admin Page:

FOODBANK AUSTRALIA

HomeAboutLocationContactLogin

Dashboard

Personal Info

Security

Organization Activities

Logout

Member Management

h1: Font: 26.4px

Add New Member

Username	Full Name	Email	Phone Number	Branch	Action
abc	A BC	a@a.com	1234...	Branch 1	<div>EditDelete</div>
def	D EF	b@b.com	1234...	Branch 2	<div>EditDelete</div>
....	....	- ...	- ...	....	<div>EditDelete</div>

Button: will exist depend on the authority of manager/administrator

Scroll bar: will be visible only if the table is bigger than the page

FOODBANK AUSTRALIA

HomeAboutLocationContactLogin

Dashboard

Personal Info

Security

Organization Activities

Logout

Add new member

form: pop up if the add button is clicked

Username:

Password:

Email:

Phone Number:

Full name:

Branch:

SUBMIT

select: Branch Name

20px

600px

Add New Member

## Pages Overview

### Homepage (index.html)

Purpose: Introduces the mission and vision of FoodBank Australia.

Features: Quick navigation links to key pages such as About, Location, and Login.

### About Page (about.html)

Purpose: Provides a detailed introduction to FoodBank Australia, its history, and goals.

Features: Showcases efforts and achievements in combating food insecurity.

### Registration Pages

#### General User Registration (register.html)

Purpose: Allows general users to fill out basic information and create accounts.

Features: Form fields for name, email, phone number, etc.

#### Manager Registration (manager\_register.html)

Purpose: Allows managers to register with additional information relevant to their roles.

Features: Form fields for name, email, phone number, and specific managerial responsibilities.

### Login Pages

#### General User Login (login.html)

Purpose: Provides access for general users to log into their accounts.

Features: Secure login form with username and password fields.

#### Administrator Login (admin\_login.html)

Purpose: Provides access for administrators to log into the system.

Features: Secure login form with enhanced security features.

#### Manager Login (manager\_login.html)

Purpose: Provides access for managers to log into their accounts.

Features: Secure login form with username and password fields.

### Location Page (location.html)

Purpose: Displays the locations and information of various food distribution centers.

Features: Interactive map and search functionality to help users find the nearest help point.

## User part

### 1. Profile.html

**This is the user profile page, featuring the following content and functionalities:**

**Navigation Bar:**

Contains links such as Home, About, Location, Contact, and Login.

**Sidebar:**

Contains navigation links that allow users to access Personal Info, Security Settings, Organization Activities, and Logout.

**Content Area**

Welcomes the user and displays user information, including Username, Email, Full Name, Age, and Organization.

User avatar can be clicked to change the image.

Button to edit user information, which opens a modal allowing the user to update their information.

**Modals:**

One modal for editing user information and another for changing the password.

The password change functionality includes verifying that the new password meets specific criteria and is not the same as the old password.

### 2. AddDetail.html

**This is a registration details page, featuring the following content and functionalities:**

**Form:**

Includes fields for entering phone number, full name, age, and selecting a registering organization.

Upon submission, the form redirects to Profile.html.

### 3. profileSections.js

**This is a server-side script for handling partial content loading, featuring the following functionalities:**

**Routing Setup:**

Handles requests for different sections, such as security settings and organization activities.

Returns the corresponding HTML content.

**Organization Activities Section:**

Returns an HTML table containing activity details, including Activity Name, Date, Participants, and Description.

Users can choose to join activities.

Implemented Functionalities

**User Registration and Detail Entry:**

Users complete their registration by entering details on the AddDetail.html page.

**User Information Display and Edit:**

Users can view and edit their personal information on the Profile.html page.

**Dynamic Content Loading:**

Uses AJAX to load different content sections, such as security settings and organization activities.

**User Avatar Change:**

Users can click on their avatar to change the image.

**Password Change Functionality:**

Users can change their password through a modal, with the new password required to meet specific criteria.

**Activity Participation Selection:**

Users can select whether to participate in activities in the organization activities section, dynamically updating the participant count.

## Manager Page (manager.html)

### Dashboard:

**Personal Info:** Provides access to the user's personal information where they can view and edit their profile details.

**Security:** Allows users to manage their security settings, including password changes and two-factor authentication settings.

**Organization Activities:** Displays a list of organization activities that the user can participate in, view details, or join.

**Member Management:** The current page where the manager can oversee members of the organization, view their details, and perform actions such as editing or deleting member information.

**Events Management:** A page to manage events associated with the branch, including adding new events, editing existing ones, and deleting events.

**Post Updates:** A section to post updates relevant to the organization or branch.

### Header:

**Title:** Reflects the current branch being managed (e.g., "Melbourne Branch Management").

**Navigation Links:** Contains links to Home, About, Location, Contact, and Logout.

### Content Area:

#### Member Management Table:

**Columns:** Username, Full Name, Email, Phone Number, and Actions.

**Actions:** Edit and Delete buttons for each member.

**Functionality:** Allows the manager to edit or delete members' details. Clicking 'Edit' enables inline editing of the member's information, and 'Delete' removes the member from the list.

## Member Page (members.html)

### Content and Functionalities:

#### Navigation Bar:

Contains links to Home, About, Location, Contact, and Logout.

#### Sidebar:

Same as the manager.html, includes links to Personal Info, Security, Organization

Activities, Member Management, Events Management, and Post Updates.

**Content Area:**

**Members Table:**

**Columns:** Username, Full Name, Email, Phone Number, Branch, and Actions.

**Functionality:** Displays a list of all members in the organization. Allows for viewing, editing, and deleting member information.

**Edit Member:** Opens a form within the table row to update member details such as Username, Full Name, Email, Phone Number, and Branch.

**Delete Member:** Removes the member from the organization.

## **Events Page (events.html)**

**Content and Functionalities:**

**Navigation Bar:**

Contains links to Home, About, Location, Contact, and Logout.

**Sidebar:**

Same as the manager.html, includes links to Personal Info, Security, Organization Activities, Member Management, Events Management, and Post Updates.

**Content Area:**

**Events Table:**

**Columns:** Event Name, Event Date, Number of Participants, Event Information, and Actions.

**Functionality:** Displays a list of all events associated with the branch. Allows for viewing, editing, and deleting events.

**Edit Event:** Opens a form within the table row to update event details such as Event Name, Event Date, Number of Participants, and Event Information.

**Delete Event:** Removes the event from the branch.

# Administrator Management System: Page Descriptions

## Overview

The Administrator Management System provides a comprehensive interface for managing users, organization details, branches, and administrators. The interface includes a sidebar with different management sections, a content area displaying relevant information, and functionalities for adding, editing, and deleting records. Each page is designed to handle specific management tasks.

## Pages and Functionalities

### Member Management (member.html)

**Navigation Bar:** Links to Members, Organization, Branch Management, Administrator Management, and Logout.

**Sidebar:** Contains links for Dashboard, Personal Info, Security, Organization Activities, Member Management, Events Management, and Post Updates.

**Content Area:**

Displays a table listing all current members.

Columns include Username, Full Name, Email, Phone Number, Branch, and Actions.

**Actions:**

**Edit:** Opens a modal or inline form to edit member details.

**Delete:** Removes the member from the system.

**Add New Member:** Button to open a form for adding a new member.

### Organization Management (organization.html)

**Navigation Bar:** Links to Members, Organization, Branch Management, Administrator Management, and Logout.

**Sidebar:** Contains links for Dashboard, Personal Info, Security, Organization Activities, Member Management, Events Management, and Post Updates.

**Content Area:**

Displays a table listing all managers within the organization.

Columns include Username, Full Name, Email, Phone Number, Branch, and Actions.

Actions:



**Edit:** Opens a modal or inline form to edit manager details.

**Delete:** Removes the manager from the system.

**Add New Manager:** Button to open a form for adding a new manager.

## **Branch Management (branch.html)**

**Navigation Bar:** Links to Members, Organization, Branch Management, Administrator Management, and Logout.

**Sidebar:** Contains links for Dashboard, Personal Info, Security, Organization Activities, Member Management, Events Management, and Post Updates.

**Content Area:**

Displays a table listing all branches.

Columns include Branch Name, Description, Image URL, and Actions.

**Actions:**

**Edit:** Opens a modal or inline form to edit branch details.

**Delete:** Removes the branch from the system.

**Sign Up New Branch:** Button to open a form for adding a new branch.

## **Administrator Management (administrator.html)**

**Navigation Bar:** Links to Members, Organization, Branch Management, Administrator Management, and Logout.

**Sidebar:** Contains links for Dashboard, Personal Info, Security, Organization Activities, Member Management, Events Management, and Post Updates.

**Content Area:**

Displays a table listing all administrators.

Columns include Username, Email, and Actions.

**Actions:**

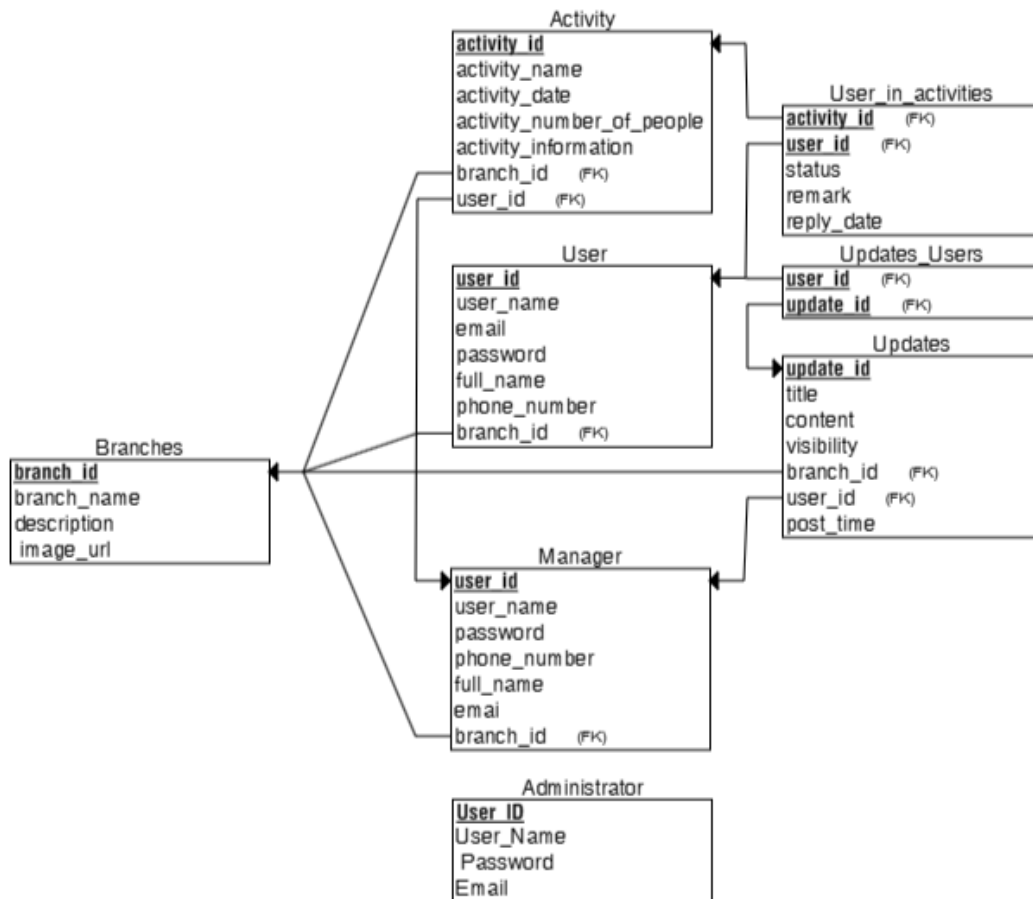
**Edit:** Opens a modal or inline form to edit administrator details.

**Delete:** Removes the administrator from the system.

**Sign Up New Admins:** Button to open a form for adding a new administrator.

## Database design

### Database Schema Diagram:



This database is designed for FoodBank management system, which is a volunteer organization, and includes several tables to manage different aspects of the organization, such as branches, users, managers, activities, and updates.

The database aims to streamline the operations of the food bank by efficiently managing resources, coordinating volunteer activities, and ensuring effective communication within the organization. Here's a detailed description of each table and their relationships:

## Tables and Relationships

### Branches

Field	Type	Null	Key	Default	Extra
branch_id	int	NO	PRI	NULL	
branch_name	varchar(255)	YES	NULL	NULL	
description	varchar(255)	YES	NULL	NULL	
image_url	varchar(255)	YES	NULL	NULL	

**Description:** Stores information about each branch of the food bank.

### User

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	auto_increment
user_name	varchar(255)	YES	NULL	NULL	
email	varchar(255)	YES	UNI	NULL	
password	varchar(255)	YES	NULL	NULL	
phone_number	varchar(20)	YES	NULL	NULL	
full_name	varchar(255)	YES	NULL	NULL	
branch_id	int	YES	MUL	NULL	

**Description:** Stores information about users, including their assigned branch.

### Manager

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	auto_increment
user_name	varchar(255)	YES	NULL	NULL	
email	varchar(255)	YES	UNI	NULL	
password	varchar(255)	YES	NULL	NULL	
phone_number	varchar(20)	YES	NULL	NULL	
full_name	varchar(255)	YES	NULL	NULL	
branch_id	int	YES	MUL	NULL	

**Description:** Similar to the User table but specifically for managers, linking them to a branch.

### Activity

Field	Type	Null	Key	Default	Extra
activity_id	int	NO	PRI	NULL	auto_increment
activity_name	varchar(255)	YES	NULL	NULL	
activity_date	date	YES	NULL	NULL	
activity_number_of_people	int	YES	NULL	NULL	
activity_information	varchar(255)	YES	NULL	NULL	
branch_id	int	YES	MUL	NULL	
manager_id	int	YES	MUL	NULL	

**Description:** Stores information about activities organized by branches, with each activity linked to a branch and a manager.

### User\_in\_activities

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	
activity_id	int	NO	PRI	NULL	
status	enum('Yes', 'No', 'Maybe')	NO	NULL	NULL	
remarks	varchar(255)	YES	NULL	NULL	
reply_date	timestamp	YES	NULL	CURRENT_TIMESTAMP	DEFAULT_GENERATED

**Description:** Manages user participation in activities, tracking their status and any remarks.

### Administrator

Field	Type	Null	Key	Default	Extra
User_ID	int	NO	PRI	NULL	auto_increment
User_Name	varchar(255)	NO	NULL	NULL	
Password	varchar(255)	NO	NULL	NULL	
Email	varchar(255)	NO	NULL	NULL	

**Description:** Stores information about administrators who manage the system.

## Updates

Field	Type	Null	Key	Default	Extra
update_id	int	NO	PRI	NULL	auto_increment
branch_id	int	YES	MUL	NULL	
manager_id	int	YES	MUL	NULL	
title	text	YES	NULL	NULL	
content	text	YES	NULL	NULL	
visibility	enum('public', 'inside branch', 'private')	YES	NULL	NULL	
post_time	timestamp	YES	NULL	CURRENT_TIMESTAMP	DEFAULT_GENERATED

**Description:** Manages updates posted by managers, including the visibility level of each update.

## Updates\_Users

Field	Type	Null	Key	Default	Extra
update_id	int	NO	PRI	NULL	
user_id	int	NO	PRI	NULL	

**Description:** Links updates to specific users, especially for private updates.

## Views

### PublicUpdates

```
SELECT * FROM Updates WHERE visibility = 'public';
```

**Description:** A view to display all public updates, accessible to everyone including guests.

### InsideBranchUpdates

```
CREATE OR REPLACE VIEW InsideBranchUpdates AS  
SELECT * FROM Updates WHERE visibility = 'inside branch';
```

**Description:** A view to display updates intended for users within the same branch, requiring user login and branch verification.

### PrivateUpdates

```
CREATE OR REPLACE VIEW PrivateUpdates AS  
SELECT Updates.* FROM Updates  
JOIN Updates_Users ON Updates.update_id = Updates_Users.update_id  
WHERE visibility = 'private';
```

**Description:** A view to display private updates, restricted to specific users.

