

3.2.5 Storyboard

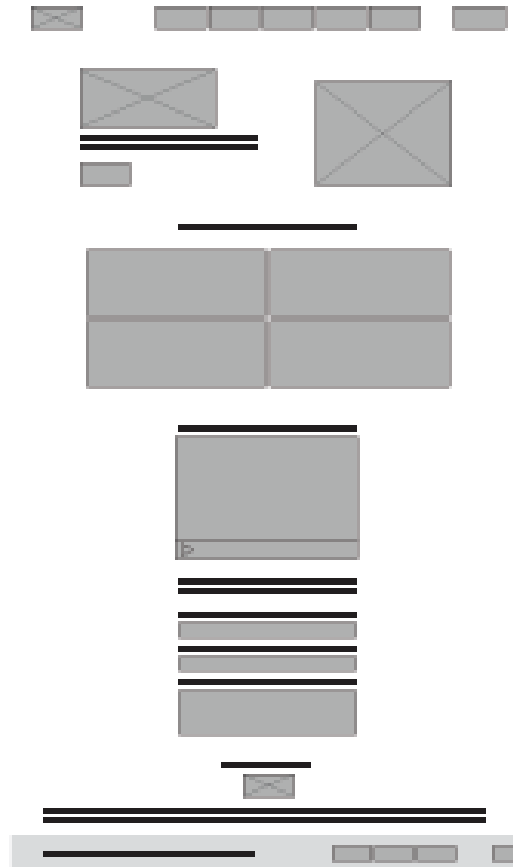


Figure 3.23 – Homepage



Figure 3.24 – Interactive Page

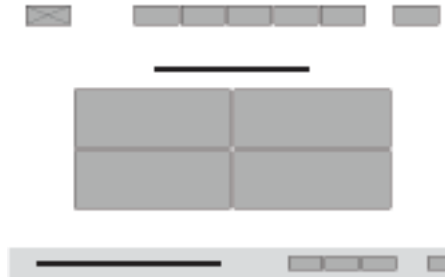


Figure 3.25 – Awareness Page



Figure 3.26 – Login/Register User Page

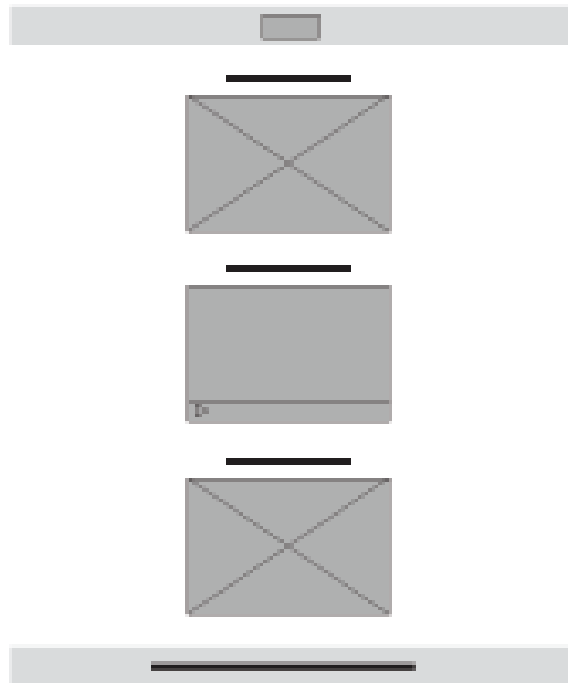


Figure 3.27 – News Page

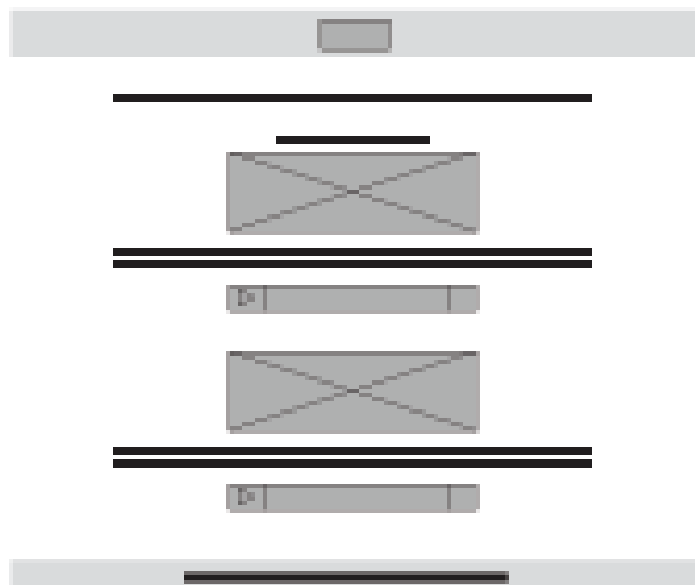


Figure 3.28 – Infographic Page

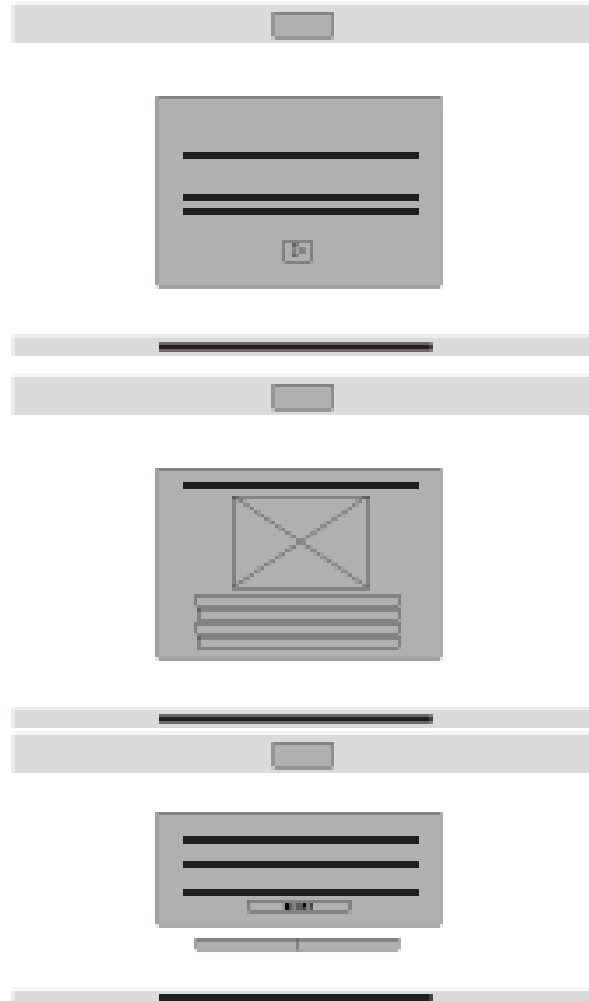


Figure 3.29 – Quiz Page

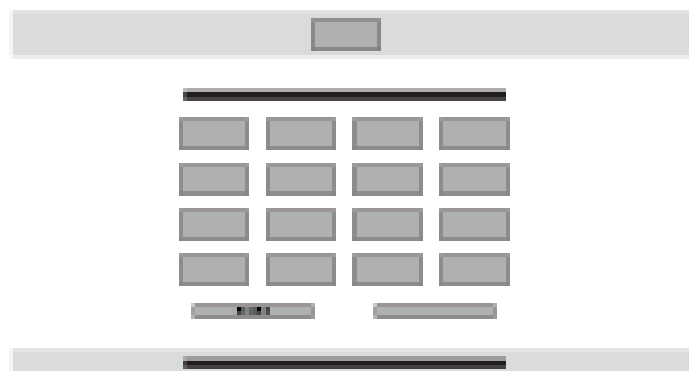


Figure 3.30 – Memory Game Page

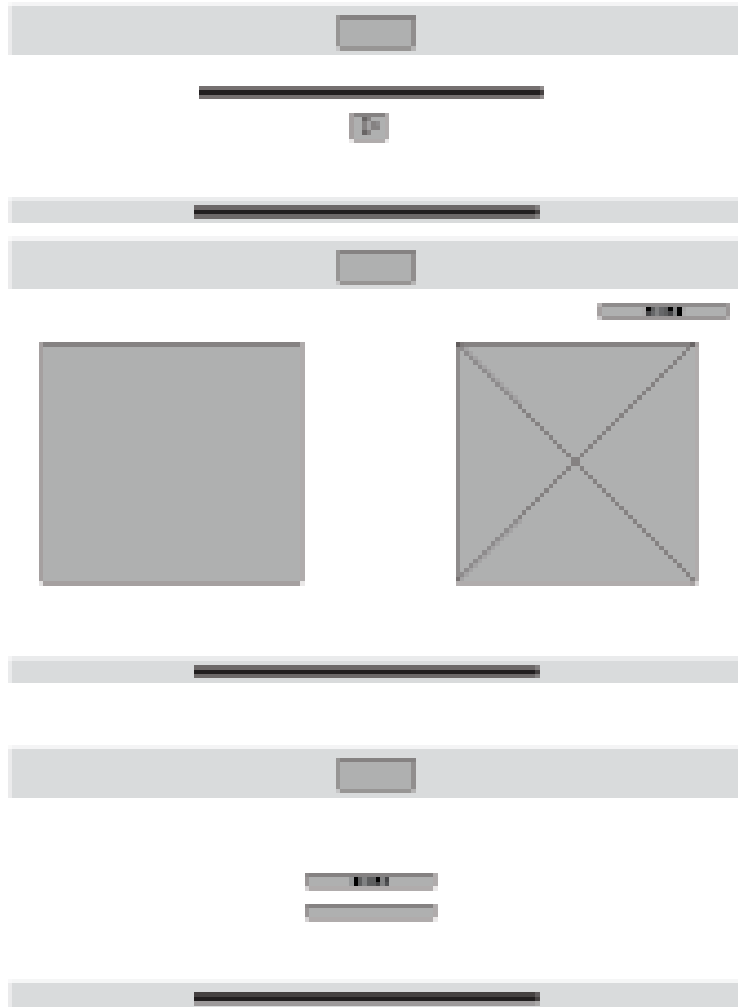


Figure 3.31 – Sliding Puzzle Page

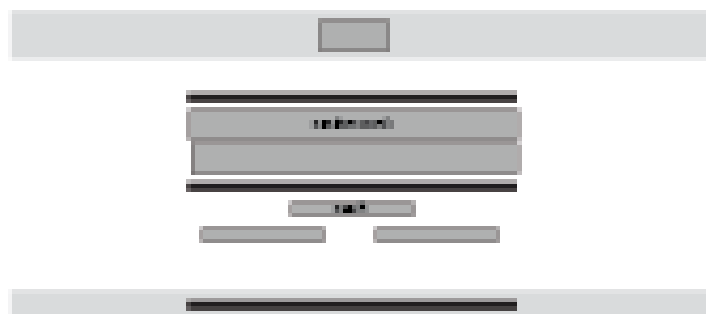


Figure 3.32 – Word Scramble Page



Figure 3.33 – Find Hospital Page

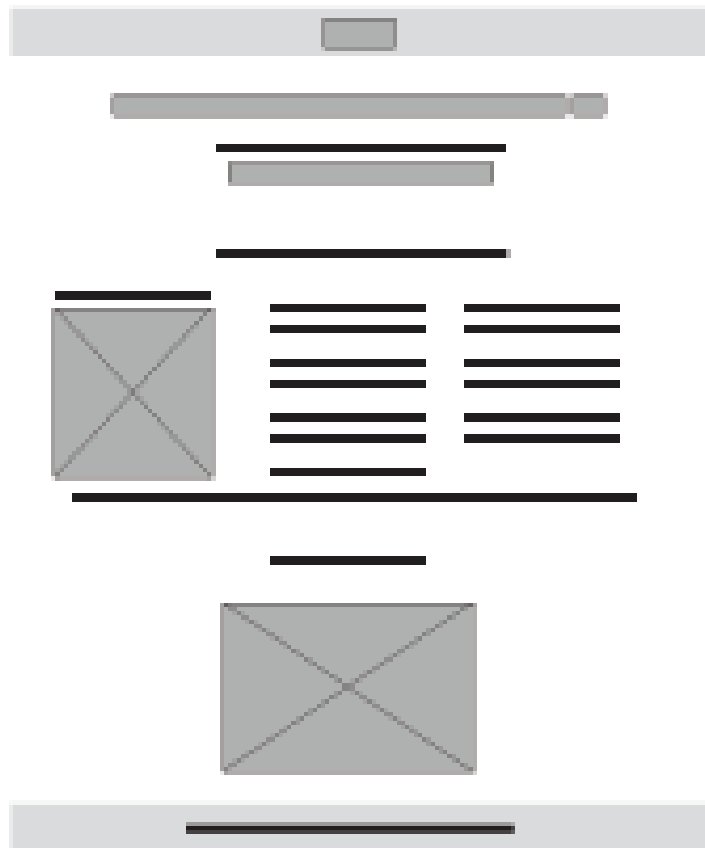


Figure 3.34 – Find Hospital's result Page



Figure 3.35 – Admin Page

3.2.6 Class Diagram

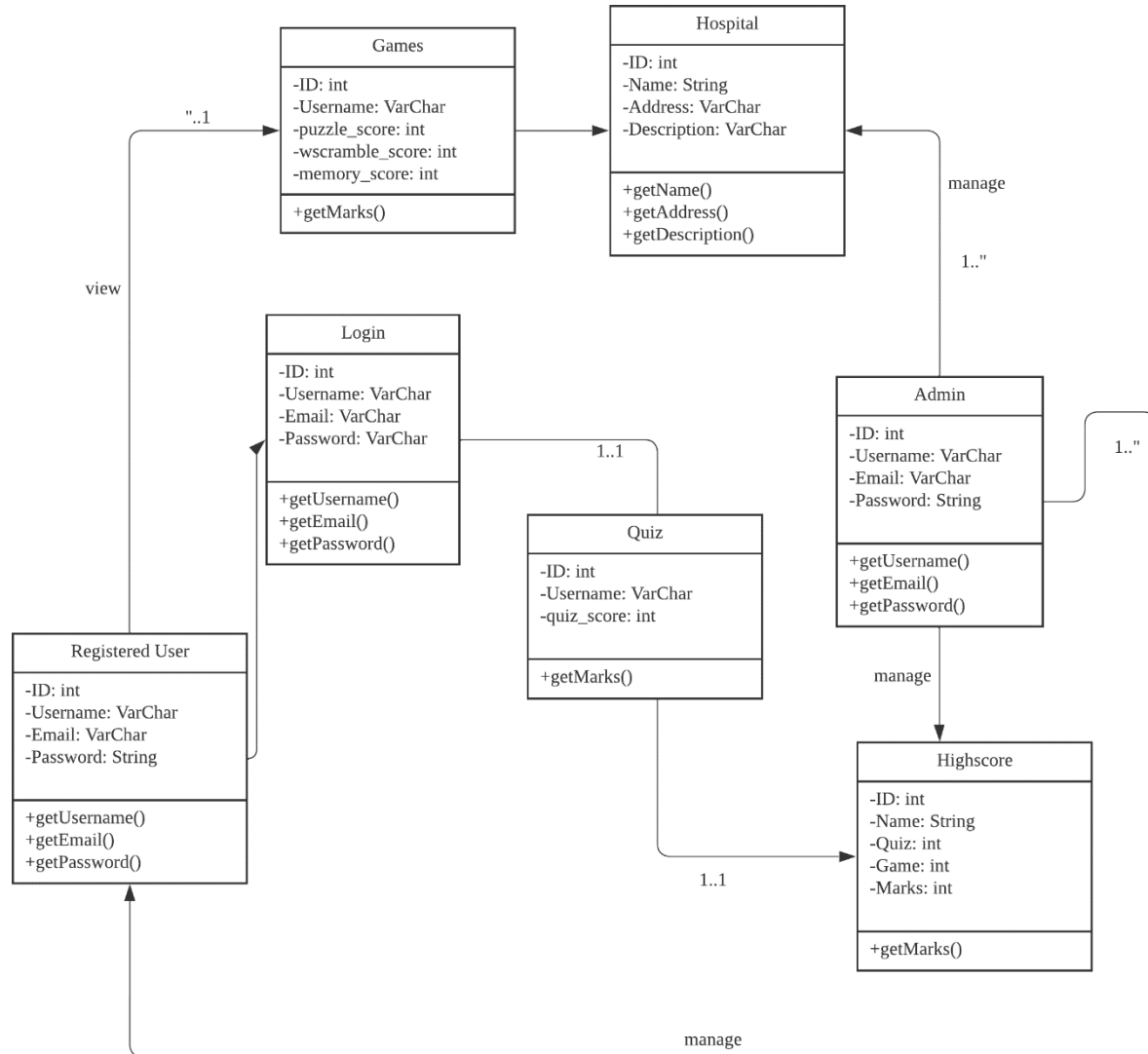


Figure 3.36 - Class Diagram for Dermawan Darah: Blood Donation Awareness

CHAPTER 4: INTERFACE

4.0 Introduction

This chapter will be discussing about the activity page of the system for users who are interested to know about the system. The page by page of a system will be explaining on how user can use the function of the system.

4.2 Interface explain

4.2.1 Position selection session

When the user starts the system, system will display the position to user to stay as guest or to sign up and log in towards the system. Guest can freely use the system without logging in. Refer to figure 4.1.

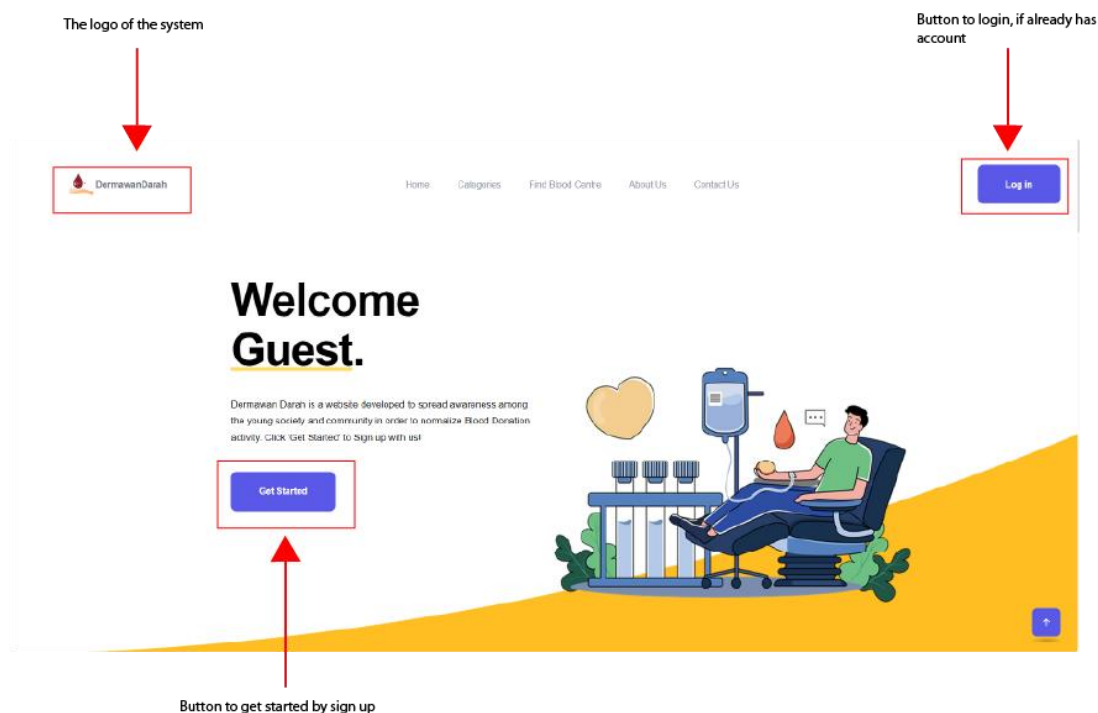


Figure 4.1 - Homepage

Actor: User

4.2.2 User login page

The user login page enable user to login as registered user to conduct activities and use system features in Dermawan Darah system. If user are not registered, they can register themselves as a user by clicking sign up link. If user is admin, admin can sign in by clicking admin's log in link. Refer to figure 4.2.

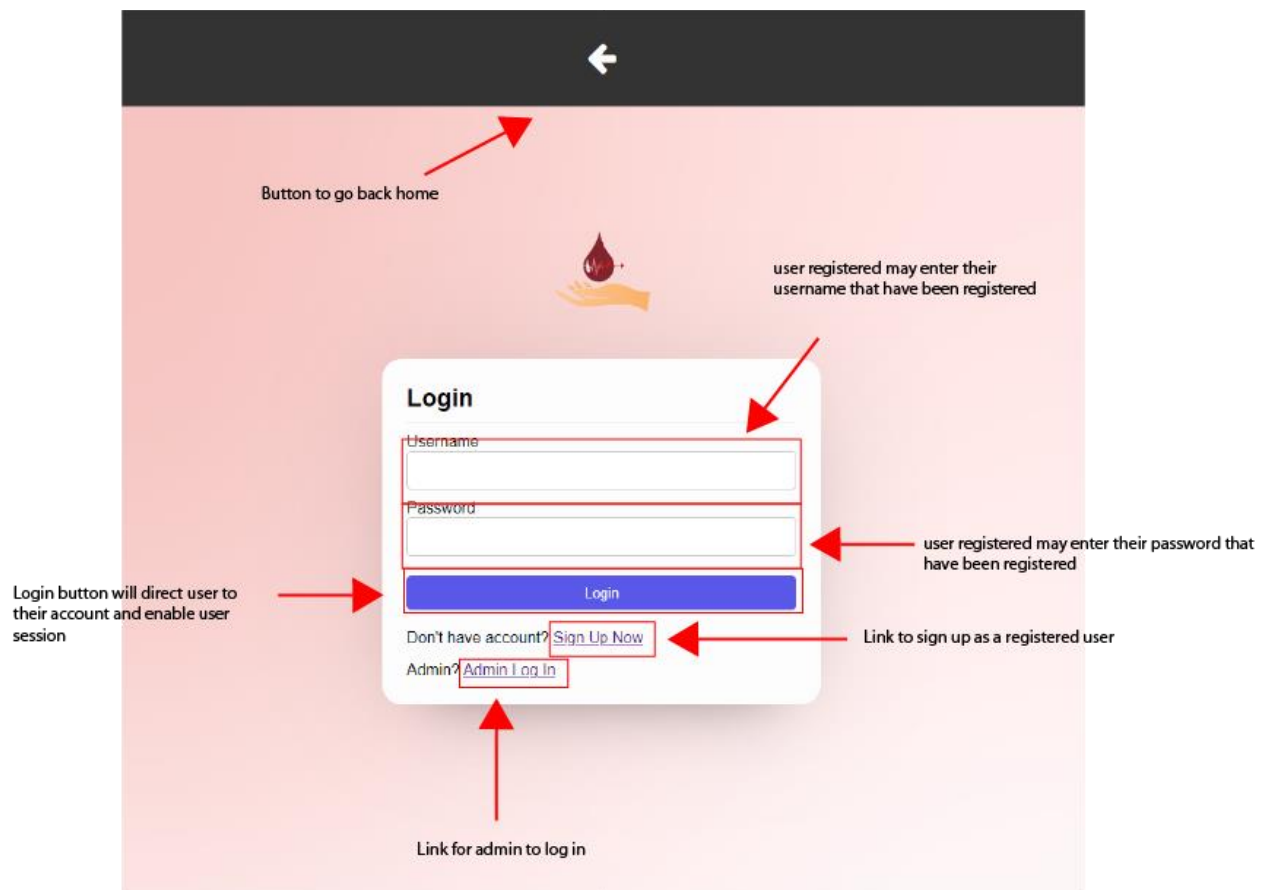


Figure 4.2 - Login page for registered user

4.2.3 User registration page

The user registration page enable user to sign up to become registered user to conduct activities and use system features in Dermawan Darah system. They can register by key in their username, valid email and password. Refer to figure 4.3.

The image shows a 'Sign Up' form on a light pink background. The form is a white rounded rectangle containing the following elements:

- Sign Up**: Title of the form.
- Username**: Text label above a text input field.
- Email**: Text label above a text input field.
- Password**: Text label above a text input field.
- Register**: A blue button with white text.
- Already a member? [Sign In](#)**: Text with a link to the sign-in page.

Annotations with red arrows point to specific parts of the form:

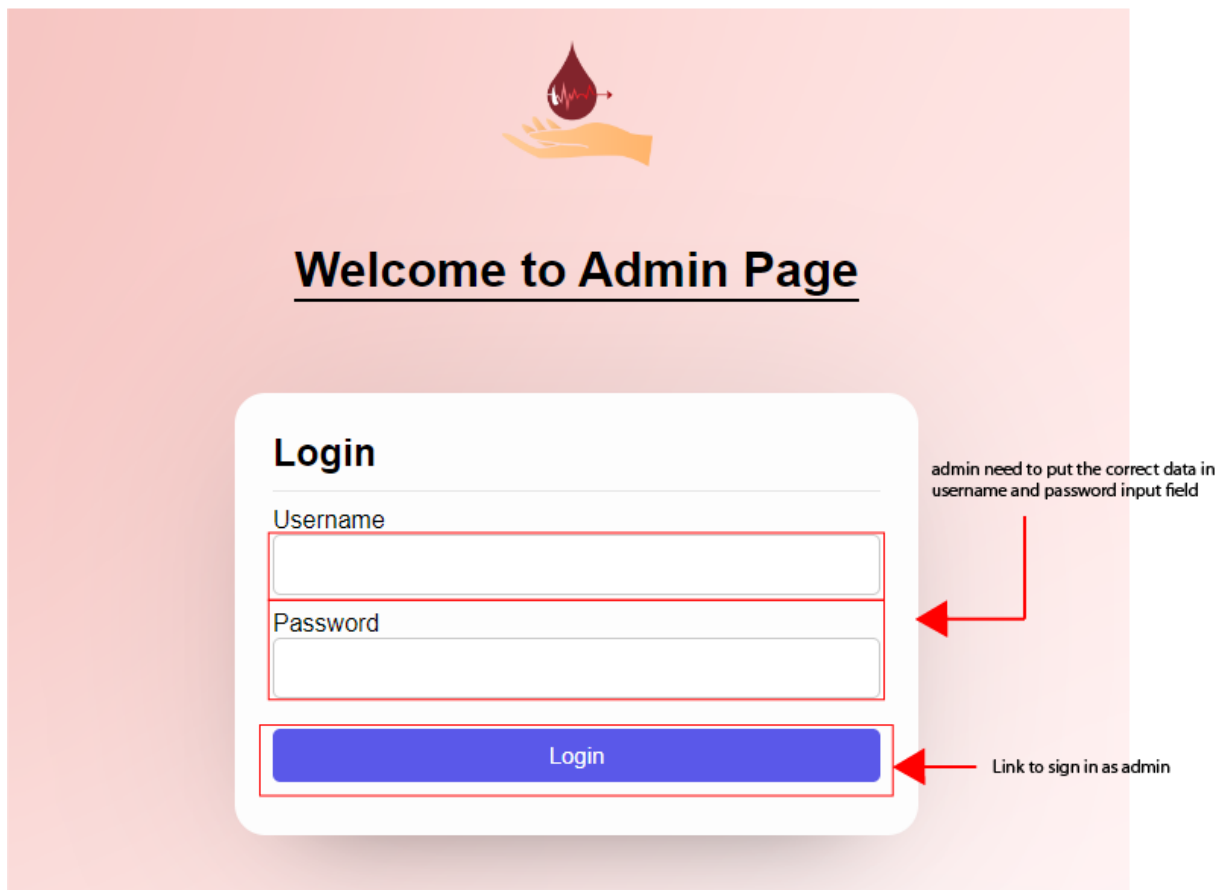
- An arrow points from the text 'User can register to Dermawan Darah by clicking on register button with valid input information' to the **Register** button.
- An arrow points from the text 'User need to key in their information based username, email, and password' to a red box that encloses the Username, Email, and Password input fields.
- An arrow points from the text 'Link to sign in as registered user' to the **Sign In** link.

Figure 4.3 - User registration page

Actor: Admin

4.2.4 Admin login page

The admin login page enable admin to log in to database panel to create, edit, and delete user's data and news posting in Dermawan Darah system. Refer to figure 4.4.



The image shows a web interface for the 'Admin login page'. At the top, there is a logo featuring a hand holding a blood drop with a pulse line. Below the logo, the text 'Welcome to Admin Page' is displayed in a bold, black font. The main content area contains a 'Login' form with two input fields: 'Username' and 'Password'. A blue 'Login' button is positioned below the password field. To the right of the form, there are two red arrows pointing to the input fields with the text 'admin need to put the correct data in username and password input field'. Another red arrow points to the 'Login' button with the text 'Link to sign in as admin'.

Welcome to Admin Page

Login

Username

Password

Login

admin need to put the correct data in username and password input field

Link to sign in as admin

Figure 4.4 - Admin login page

Actor: User

4.2.5 Navigation bar

The navigation bar is used for user to redirect user and go to certain section or page. “Home” button is used to redirect to home page. “Categories” is used to redirect user to features categories section. “Find Blood Centre” is used to redirect user to Find Blood Centre page where user can locate and search certain blood donation centre or hospital. “About us” is used to redirect user to “About us” section where user can read the system’s goal. “Contact us” is used to redirect user to contact us section where user can give feedback by key in form. When user is logged in, the “Highscore” and “Logout” links will appear on navigation bar. “Highscore” provide a page for user’s score on interactive page. “Logout” will end user’s session.

Button up arrow is used to bookmark the top of the page and scrolled back at the top of the home page whenever user scrolled down. Refer to figure 4.5 and 4.5.1.

A horizontal navigation bar with five links: Home, Categories, Find Blood Centre, About Us, and Contact Us. The links are in a light blue font and are evenly spaced.

Figure 4.5 - Navigation bar

A horizontal navigation bar with seven links: Home, Categories, Find Blood Centre, About Us, Contact Us, Highscore, and Logout. The links are in a light blue font and are evenly spaced.

Figure 4.5.1 - Navigation bar for registered user after logged in



Figure 4.5.2 - Button up

4.2.6 Features Categories

The features categories section redirect user to certain page or section of the page based on the features card user choose. “Awareness” card will redirect user to awareness page that offers news and infographic. “Interactive Page” card will redirect user to interactive page that offers quiz and 3 mini games. “Find Blood Centre” card will redirect user to a page that offers user to search or locate some blood centre based on city or state in Malaysia. “About us” card will bring user to about us section. Refer to figure 4.6.

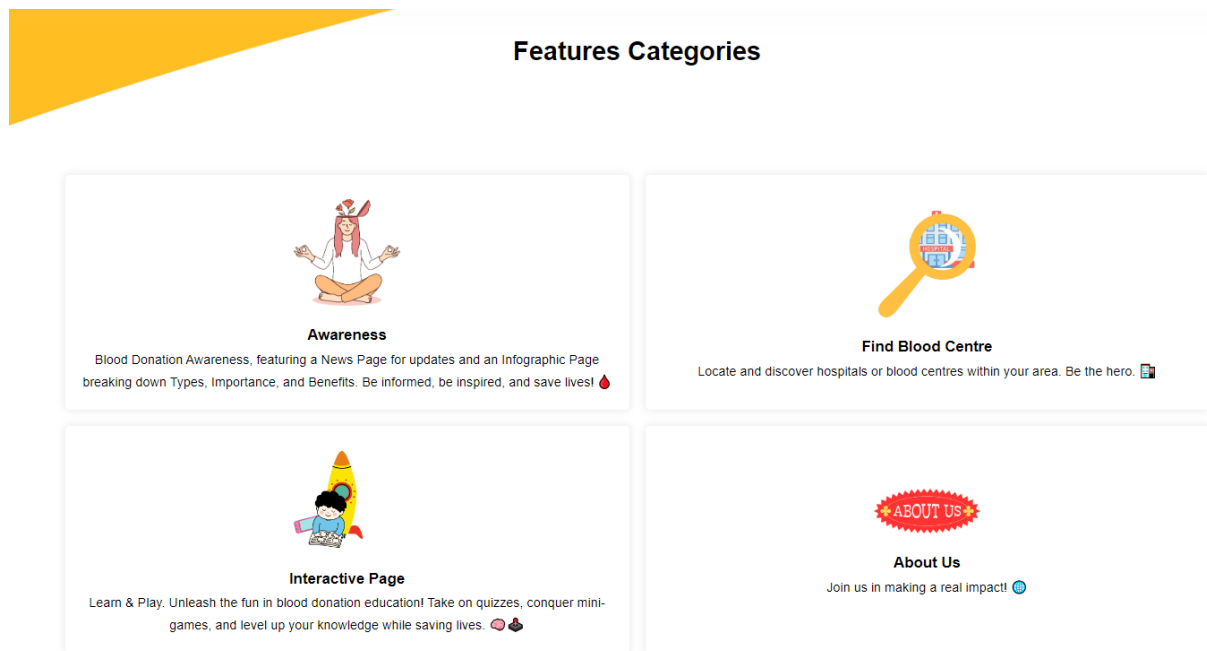
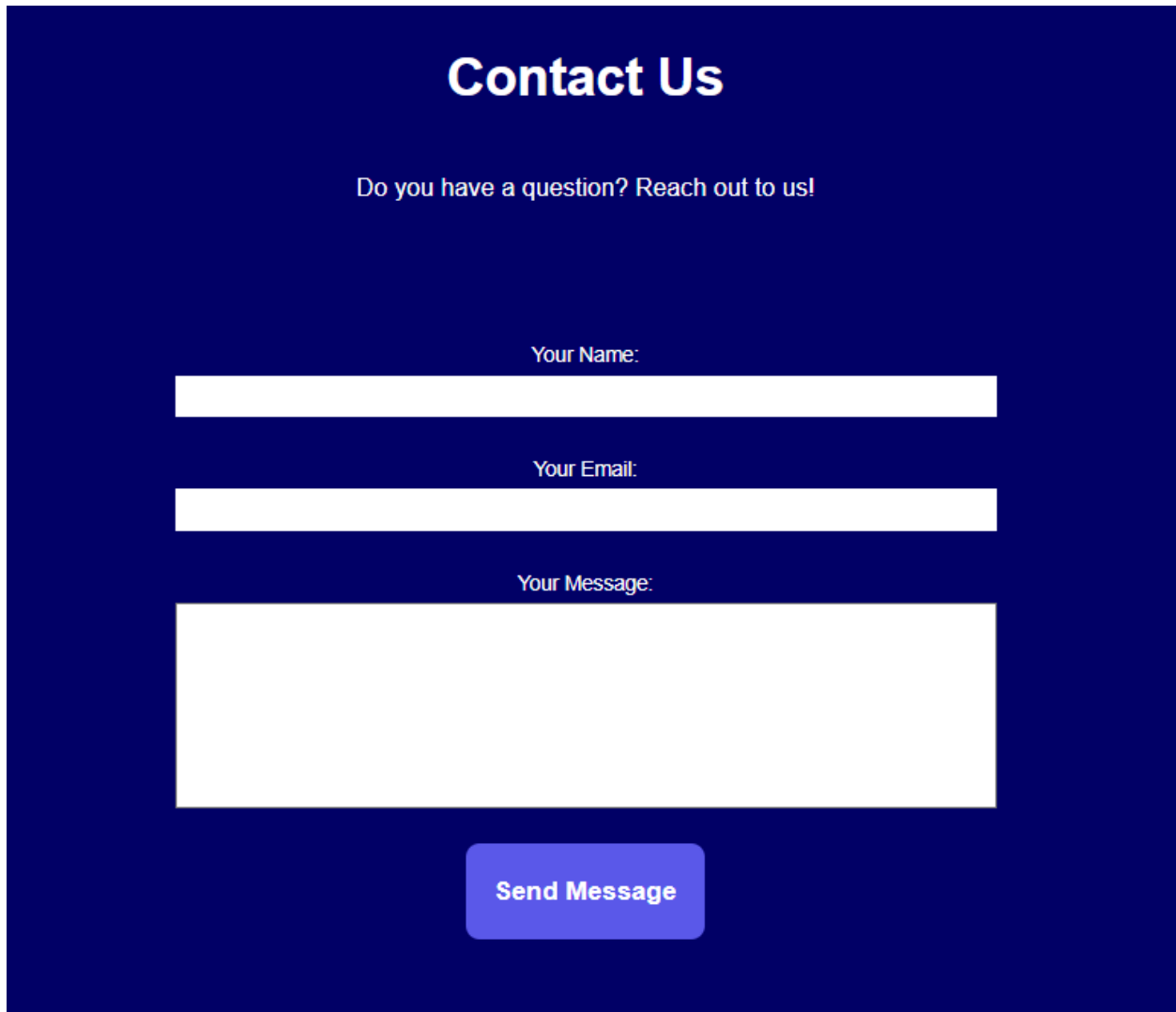


Figure 4.6 - Categories section

4.2.7 Contact us

The contact us section is to get user's feedback or message about the system. User can enter input as guest or use real information to send feedback. User required to fill the input field correctly based on the label such as name, email, and message. Then click button 'Send Message' to submit form's input. Refer to figure 4.7

A contact form titled "Contact Us" on a dark blue background. The form includes three input fields: "Your Name:", "Your Email:", and "Your Message:". Below the input fields is a blue button labeled "Send Message".

Contact Us

Do you have a question? Reach out to us!

Your Name:

Your Email:

Your Message:

Send Message

Figure 4.7 - Contact us section

4.2.8 About us

The about us section is to clarify Dermawan Darah's system vision and goal to the user. Refer to figure 4.8.

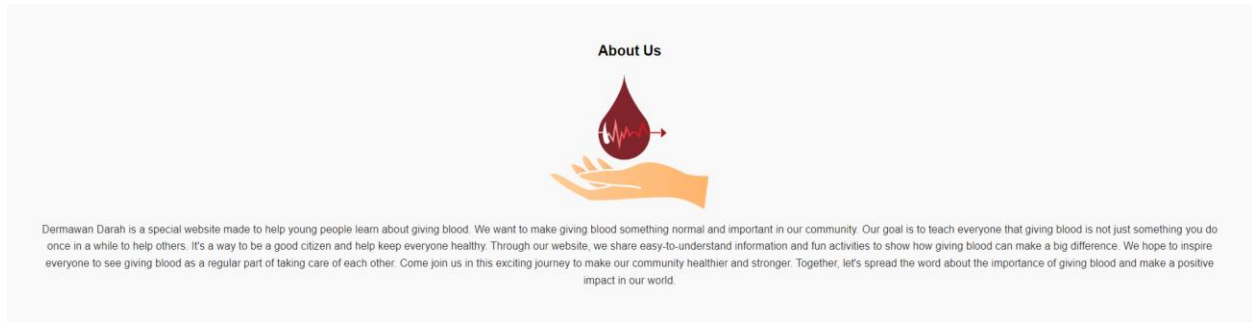


Figure 4.8 - About us section

4.2.9 Footer

The footer section offers links to redirect user to Pusat Darah Negara (PDN)'s website, World Health Organization (WHO)'s website and login and sign up page for user to become registered user of Dermawan Darah. Refer figure 4.9.



Figure 4.9 - Footer section

4.2.10 Awareness

The “Awareness” page offers awareness cards for upcoming events of blood donation in Malaysia and infographics such as news, importance of blood donation infographic, benefits of blood donation infographic, type of blood donation infographic. These cards will redirect user to certain pages based on the card selected. Refer figure 4.10.

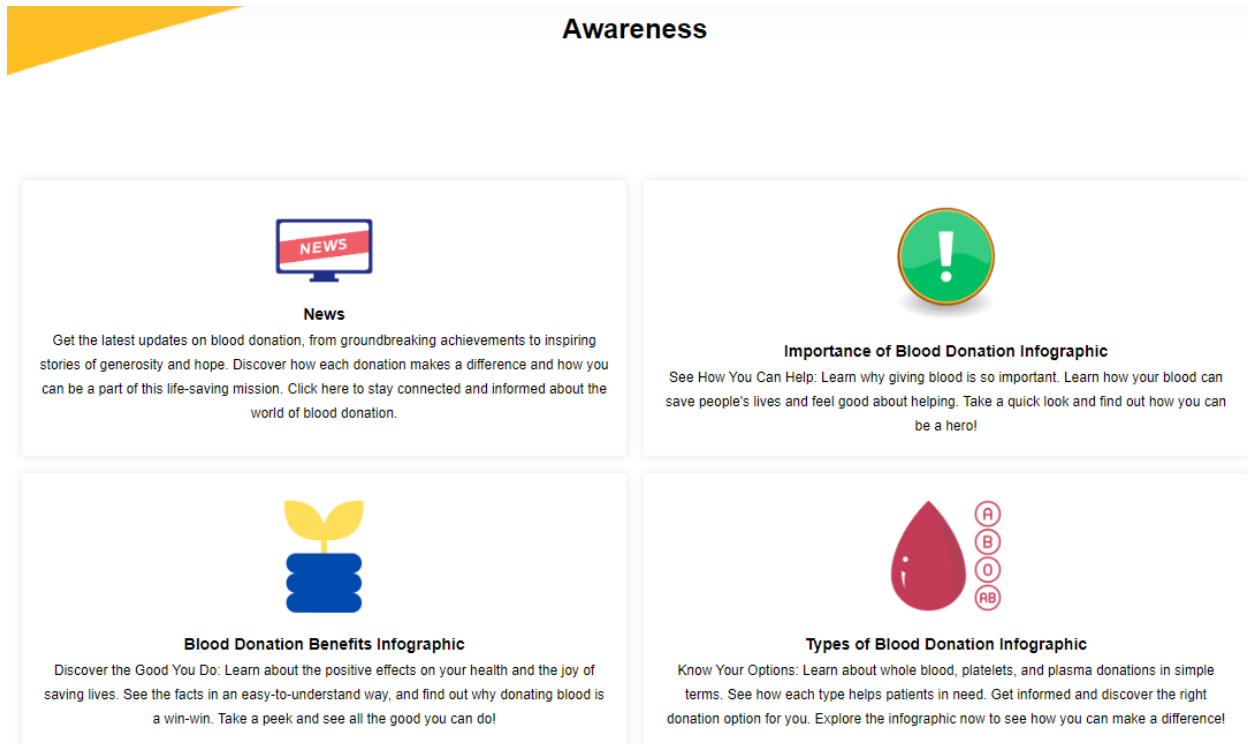
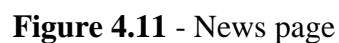


Figure 4.10 - Awareness section

The “News” page offers user about the upcoming events in Malaysia such as when and where blood drive event will be handle. It also provide video of news from Malaysia or World news related to blood donation. This page contains multimedia elements such as text, image, animation and animation. Refer figure 4.11.



4.2.12 Importance of blood donation infographic page

The “Importance of blood donation infographic” page provide the awareness of why and how importance is blood donation using infographic. This page contains multimedia elements such as text, image, animation and sound. User can play sound to listen reading voice. Refer figure 4.12.

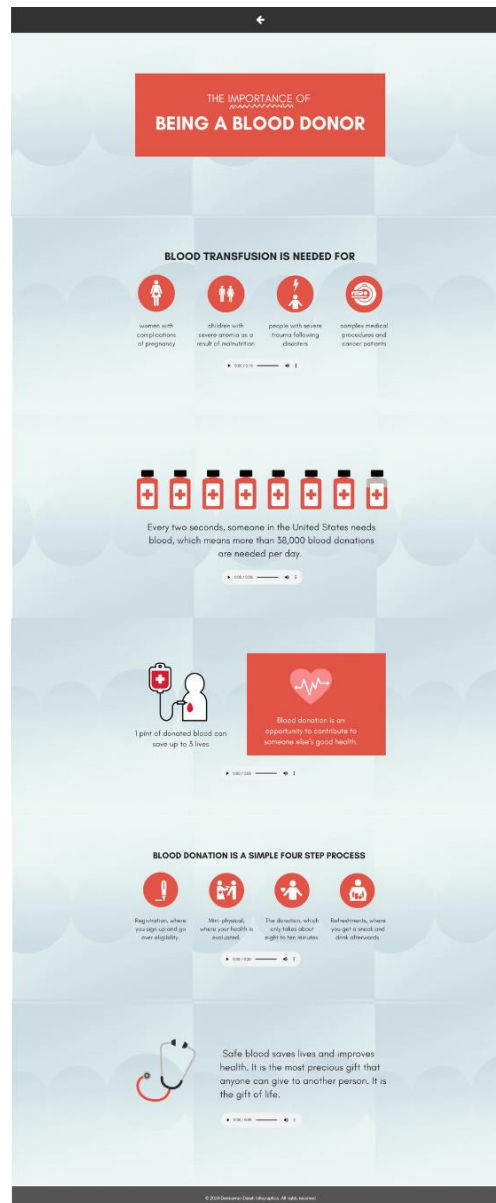


Figure 4.12 - Importance of blood donation infographic page

4.2.13 Benefits of blood donation infographic page

The “Benefits of blood donation infographic” page provide the awareness of why and how beneficial is blood donation using infographic. This page contains multimedia elements such as text, image, animation and sound. User can play sound to listen reading voice. Refer figure 4.13.

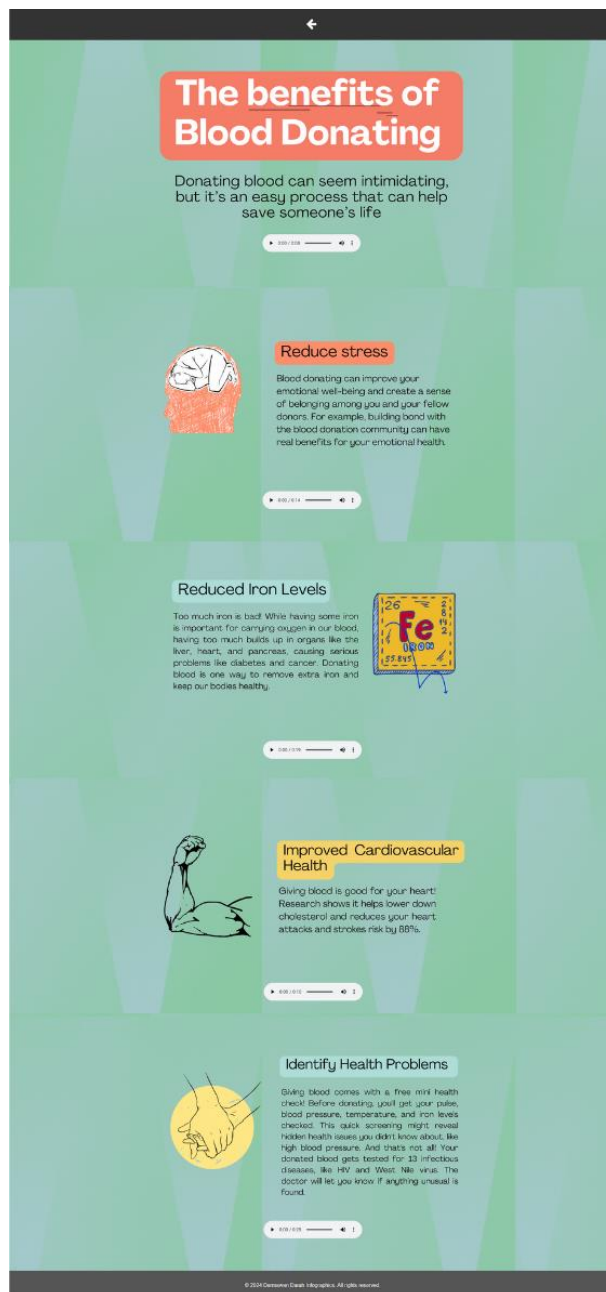


Figure 4.13 - Benefits of blood donation infographic page

4.2.14 Type of blood donation infographic page

The “Type of blood donation infographic” page provide the awareness of how and what is the type of blood donation using infographic. This page contains multimedia elements such as text, image, animation and sound. User can play sound to listen reading voice. Refer figure 4.14.

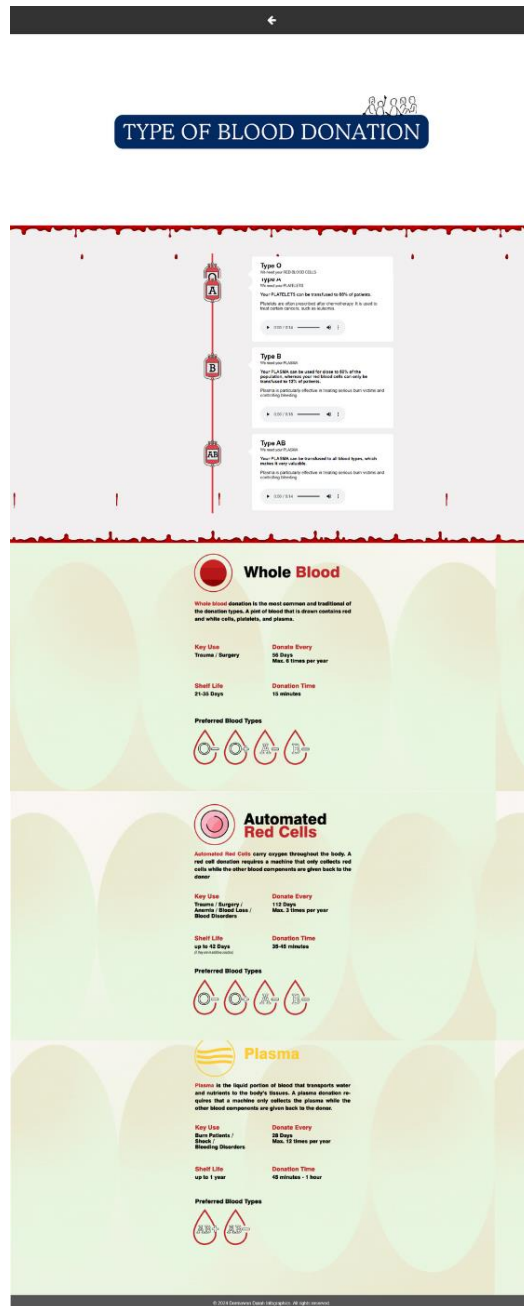


Figure 4.14 - Type of blood donation infographic page

4.2.15 Interactive page

The “Interactive” page offers interactive cards for user to answer quiz, sliding puzzle, memory card game, and word scramble. These cards will redirect user to certain pages based on the card selected or clicked. Refer figure 4.10.

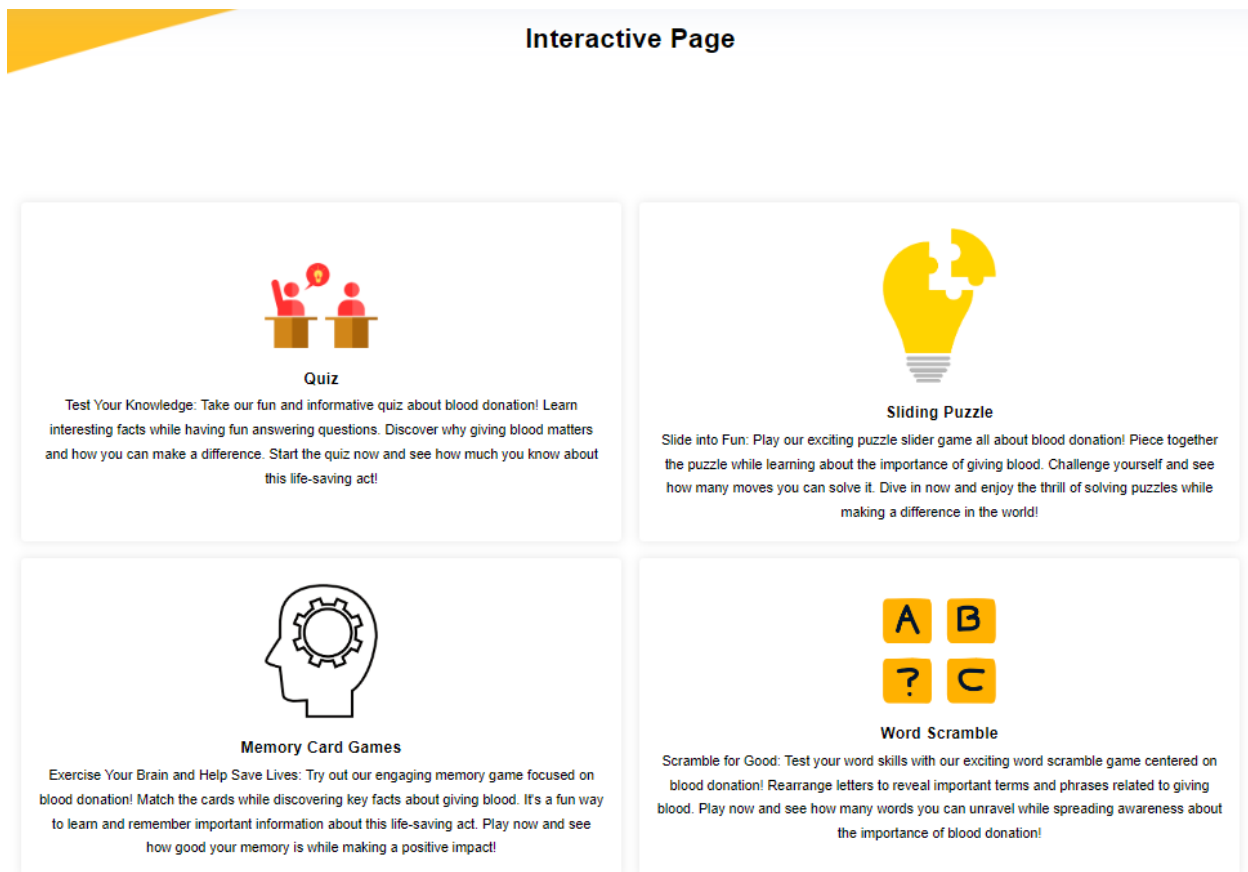


Figure 4.15 - Interactive page

4.2.16 Quiz

The quiz is to test user's knowledge and see how effective the content inside awareness pages. User can click button start to start the quiz. This page contains multimedia elements such as text, image, animation and sound. Sound will played when user finished the quiz. The score will be store in highscore database and compile with other scores. User can read their score at "Highscore" page. Refer figure 4.16.

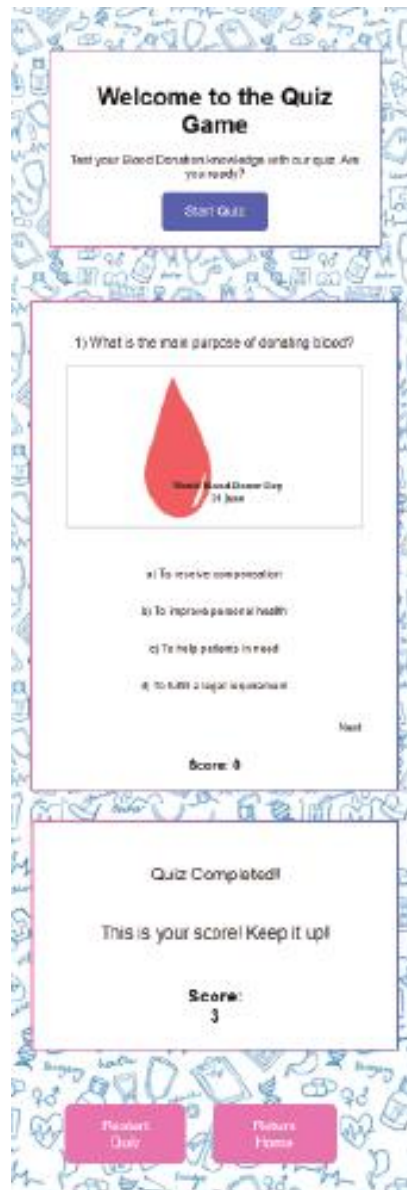


Figure 4.16 - Quiz page

4.2.17 Puzzle sliding

The puzzle page provide interactivity between user and system. User need to click start button to start the puzzle. Every step of puzzle slide will be count as moves. This page contains multimedia elements such as text, image, animation and sound. Sound will played when user finished the puzzle. The score will be store in highscore database and compile with other scores. User can read their score at “Highscore” page. Refer figure 4.17.

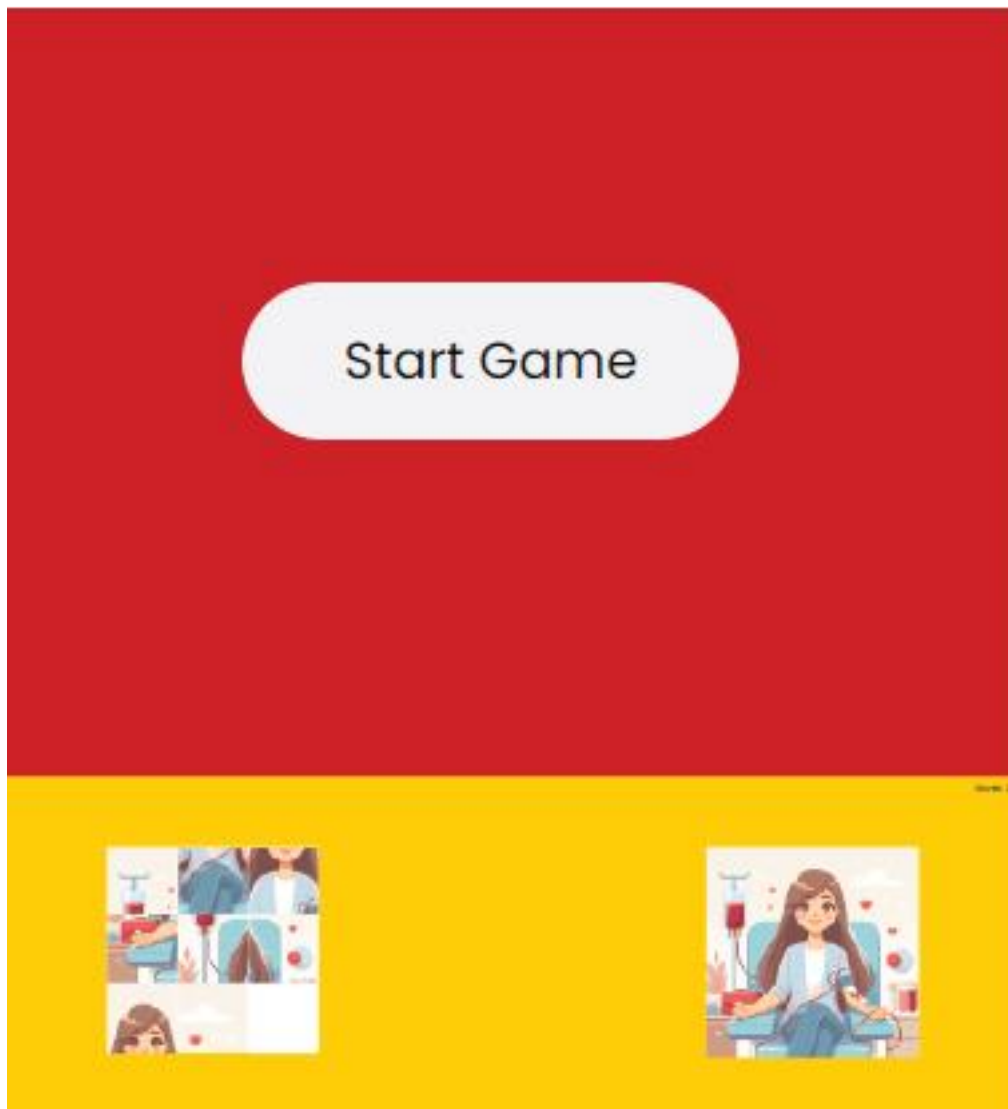


Figure 4.17 - Puzzle sliding page

4.2.18 Memory card game

The memory card game page provide interactivity between user and system. User need to click card and match two card. Every step of click will be count as moves. This page contains multimedia elements such as text, image, and animation. The score will be store in highscore database and compile with other scores. User can read their score at “Highscore” page. Refer figure 4.18.



Figure 4.18 - Memory card game

4.2.19 Word Scramble

The word scramble game page is to test user knowledge about blood donation. This page contains multimedia elements such as text. User need to fill input field with the correct order of the word. The score will be store in highscore database and compile with other scores. User can read their score at “Highscore” page. Refer figure 4.18.



Figure 4.19 - Word Scramble

4.2.20 Find blood centre

Find blood centre page is for user to locate their preferable blood centre or find a blood centre in their area. User can search using city or state keyword on text input field. The result of the search will be display as option, table, and map. Refer figure 4.20, figure 4.20.1 and figure 4.20.2

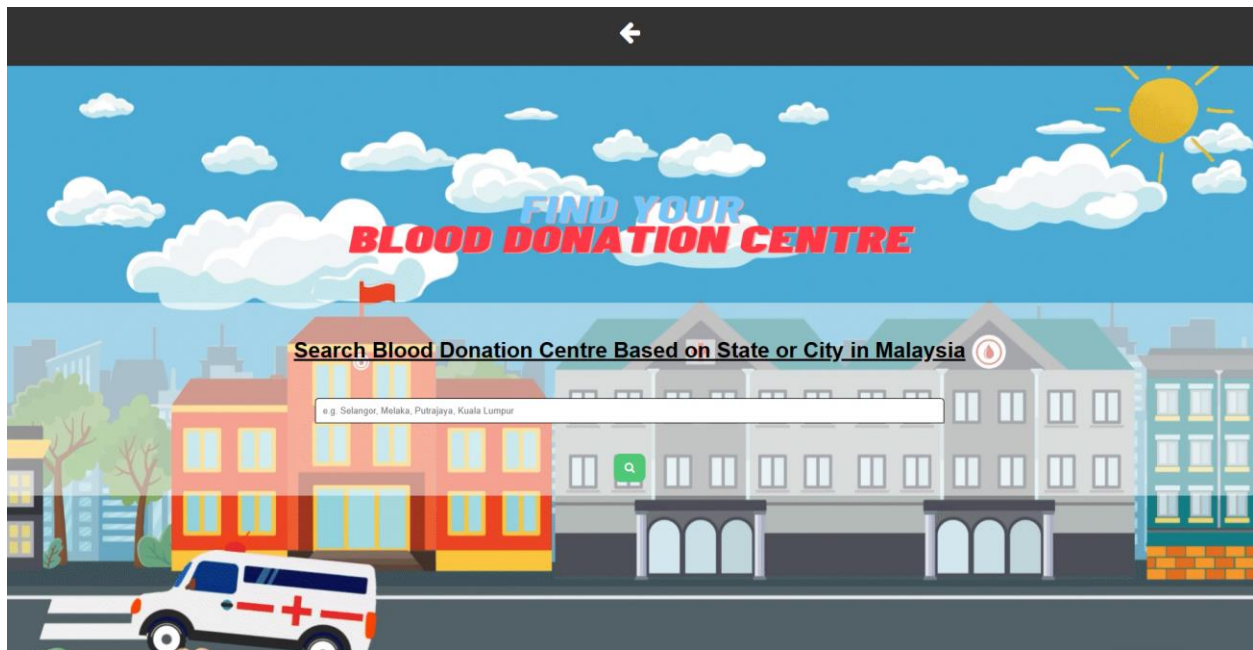


Figure 4.20 - Find blood centre search bar

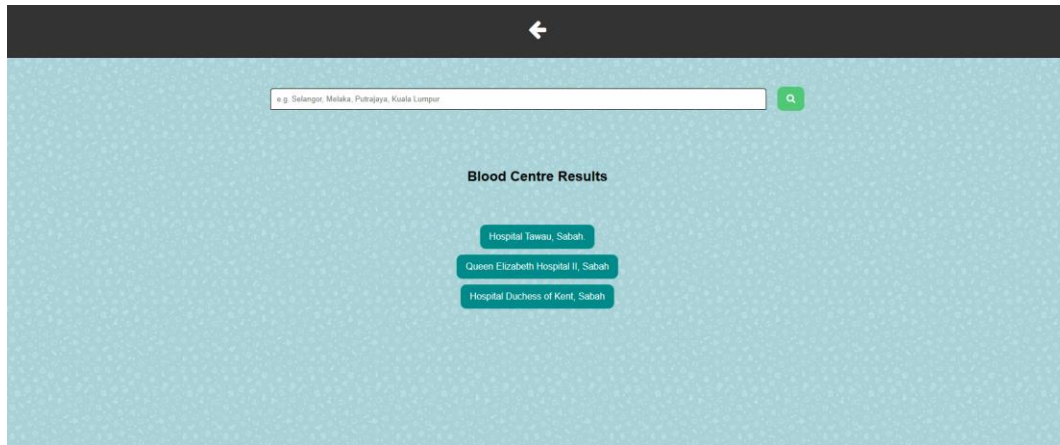


Figure 4.20.1 - Choose blood centre from the option

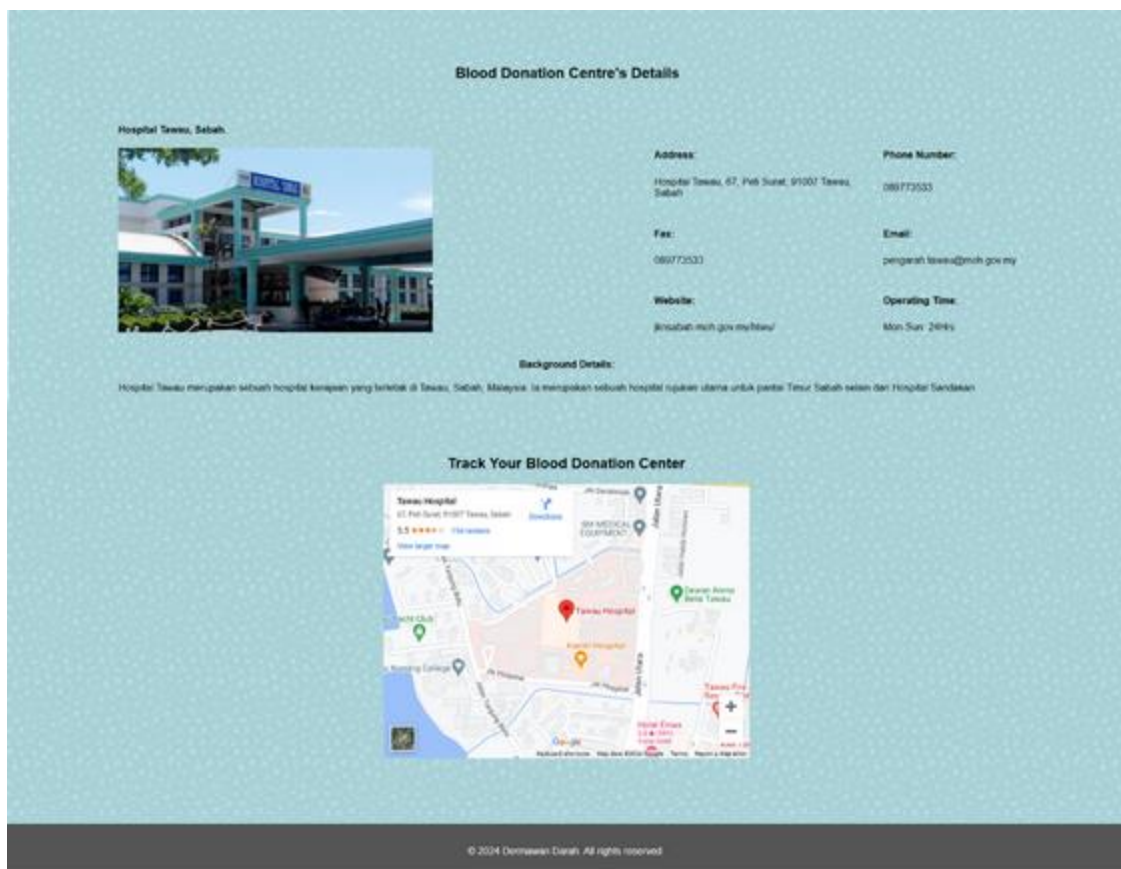


Figure 4.20.2 - Get information and locate blood centre in google map

4.2.21 Highscore

User can see and read their score from interactive page. Highscore page will fetch all the score from the highscore database. Refer figure 4.21.

Users Highscore

ID	USERNAME	QUIZ	SLIDING PUZZLE	MEMORY CARD GAME	WORD SCRAMBLE
101	ammar	0	0	0	0
102	tobi	0	0	0	0
104	taktahusiapa	0	0	0	0
105	qirito0	0	0	0	0
106	qirito0	0	0	0	0
109	takiya	0	0	0	0
120	asdasd	0	0	0	0

Figure 4.21 - High score table

Actor: Admin

4.2.22 Admin home page

The admin home page enable admin to create, edit, and delete user's data and news posting in Dermawan Darah database system. Refer to figure 4.22

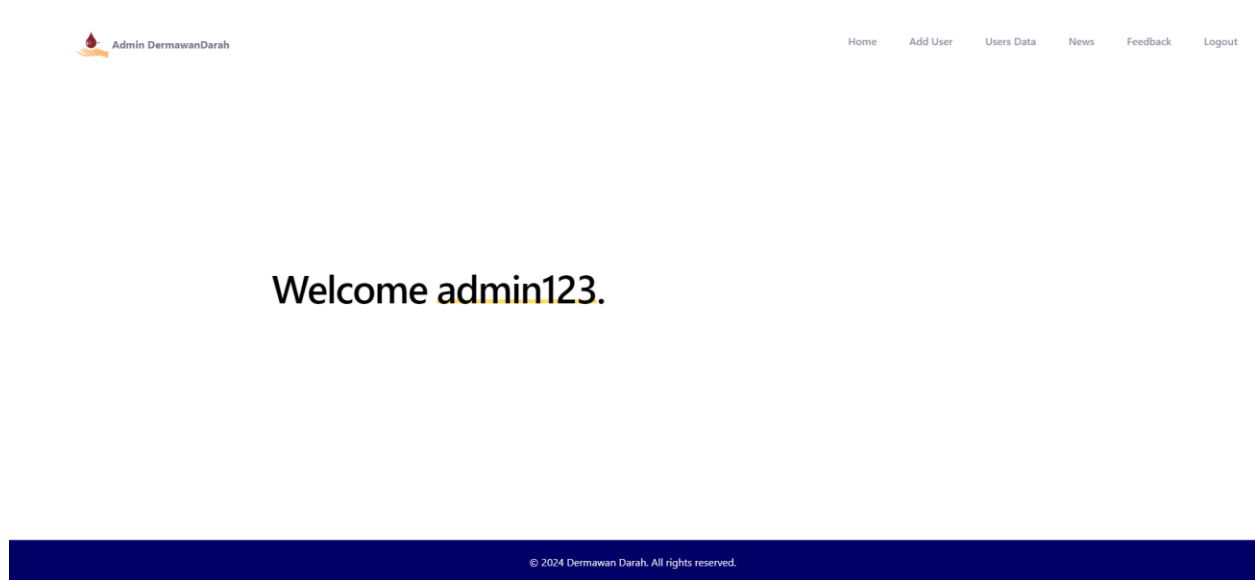
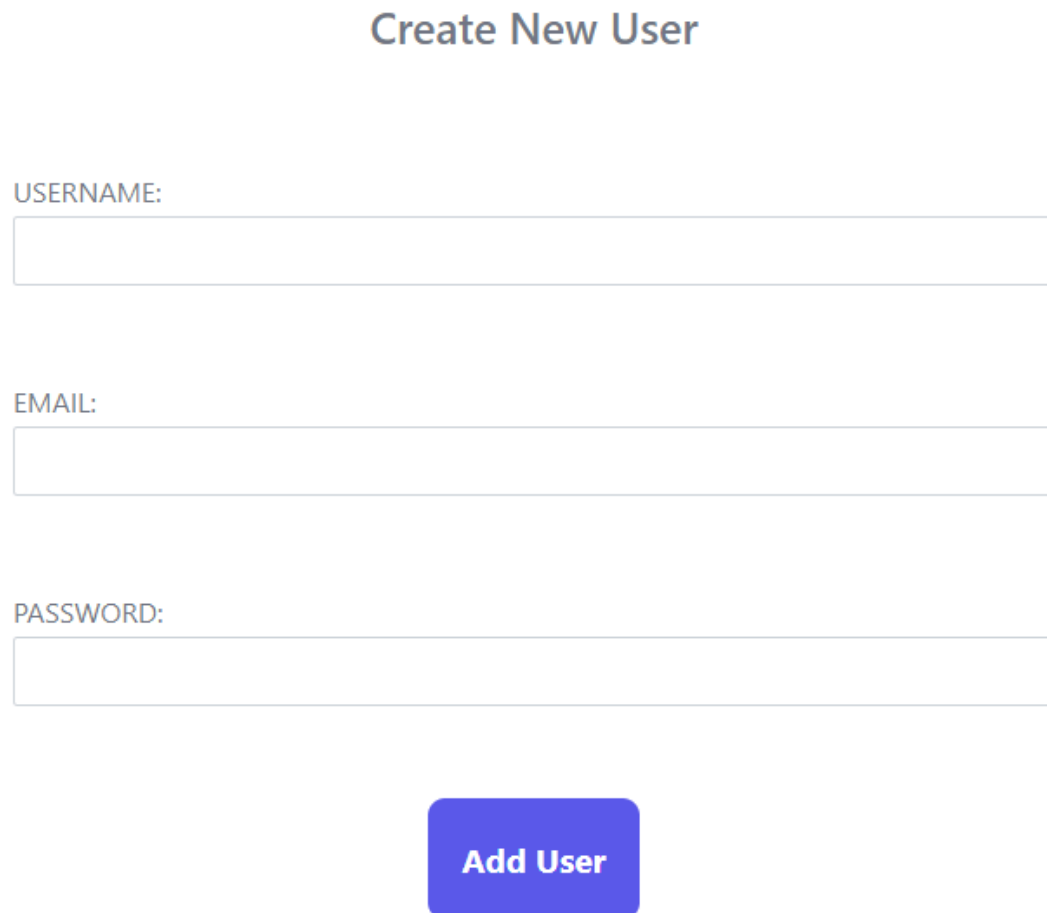


Figure 4.22 - Admin homepage

4.2.23 Admin add user

The admin add user page enable admin to create or sign up user in Dermawan Darah database system. Refer to figure 4.23.



The image shows a web form titled "Create New User". It contains three input fields: "USERNAME:", "EMAIL:", and "PASSWORD:". Each field is a simple rectangular box. Below the "PASSWORD:" field is a blue button with the text "Add User" in white.

Create New User

USERNAME:

EMAIL:

PASSWORD:

Add User

Figure 4.23 - Admin add user

4.2.24 Admin users data

The admin users data page enable admin to edit user's data in Dermawan Darah database system. Refer to figure 4.24.

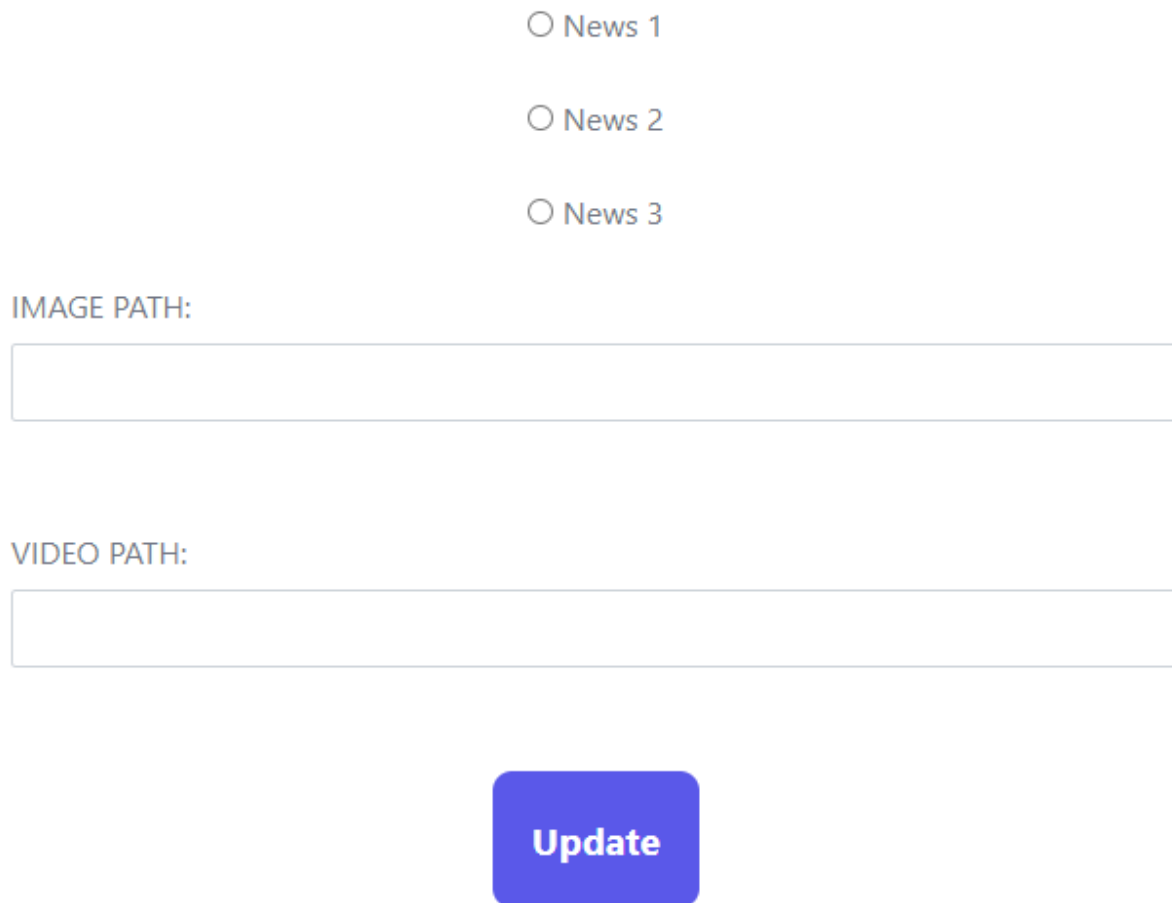
List of Users

ID	USERNAME	EMAIL	DATE JOINED	ACTIONS	
101	ammar	ammarsyauqi89@gmail.com	2024-02-21 17:19:20	Edit	Delete
102	tobi	tobiemail@yahoo.com	2024-02-21 17:19:20	Edit	Delete
104	taktahusiapa	tak@gmail.com	2024-02-21 17:19:20	Edit	Delete
105	qiritoo	senowfelakes21@gmail.com	2024-02-22 01:30:51	Edit	Delete
106	qiritoo	senowfelakes21@gmail.com	2024-02-22 01:35:05	Edit	Delete
109	takiya	takoyaki@gmail.com	2024-02-22 03:27:33	Edit	Delete
120	asdasd	asdasdas@dfdf	2024-02-22 03:55:25	Edit	Delete

Figure 4.24 - Admin users data

4.2.25 Admin news

The admin news page enable admin to update news data in Dermawan Darah database system. Refer to figure 4.25.



The form consists of three radio buttons labeled "News 1", "News 2", and "News 3" stacked vertically. Below these is a text input field labeled "IMAGE PATH:". Further down is another text input field labeled "VIDEO PATH:". At the bottom center is a blue rectangular button with the word "Update" in white text.

☐ News 1

☐ News 2

☐ News 3

IMAGE PATH:

VIDEO PATH:

Update

Figure 4.25 - Admin news

4.2.26 Admin Feedback

The admin news page enable admin to read, edit, and delete feedback data in Dermawan Darah database system. Refer to figure 4.25.

<u>List of Feedback</u>				
NAME	EMAIL	FEEDBACK	DATE POST	ACTIONS
MOHAMMAD AMMAR SYAUQI ZAINUDIN	ammarsyauqi1999@gmail.com	asdasdasdasdasd	2024-02-23 05:12:15	Edit
				Delete
Azri bin Abdul	abdul@yahoo.com	Hello admin, i have a question. please reach me out	2024-02-23 12:47:29	Edit
				Delete

Figure 4.25 - Admin feedback