FACULTY OF COMPUTER AND MATHEMATICAL SCIENCES

Details to be completed by students :

Course Code	ISP250 – INFORMATION SYSTEMS DEVELOPMENT	Lecturer	SHARIFAH NURULHIKMAH SYED YASIN
Project Title	MyPenawar - Online Clinic Management System		
Group	T5CS1104D	Due Date	23/07/2022

Students' declaration
I declare that:
- *I understand what is meant by plagiarism.*
- *This assignment is all my own work and I have acknowledged any use of the published or unpublished works of other people.*
- *I hold a copy of this assignment which I can produce if the original is lost or damaged*

TO BE COMPLETED BY STUDENTS		
NAME	ID NUMBER	SIGNATURE
1. ADAM TAUFIQ BIN SHAHRUL AFFENDI	2020890794	*Adam*
2. MUHAMMAD AKMAL BIN AHMAD SUHAIMI	2020479526	akmal
3. AYU NAJWA BINTI KHAIRUL AZWAN	2020868666	ayu
4. NUR IWANINA BINTI ADNAN	2020833648	iwanina
5. NURUL SYAFIQAH BINTI ROSHISHAM	2020882482	syaf

Assessment Criteria	Mark Allocated	Mark Derived
TOTAL		
PERCENTAGE		
Lecture's comment		

Lecturer has, and may exercise, the right NOT TO MARK this assignment if the above declaration has NOT BEEN SIGNED and if the above declaration is FOUND TO BE FALSE, appropriate action will be taken which would lead to ZERO marks being awarded for this assignment.

MyPenawar - Online Clinic Management System
User Manual

Version 5.0

SEMESTER OCTOBER 2021 – FEBRUARY 2022

GROUP: T5CS1104D

2020890794,	Adam Taufiq bin Shahrul Affendi
2020479526,	Muhammad Akmal bin Ahmad Suhaimi
2020868666,	Ayu Najwa binti Khairul Azwan
2020882482,	Nurul Syafiqah binti Roshisham
2020833648,	Nur Iwanina binti Adnan

Table of Contents
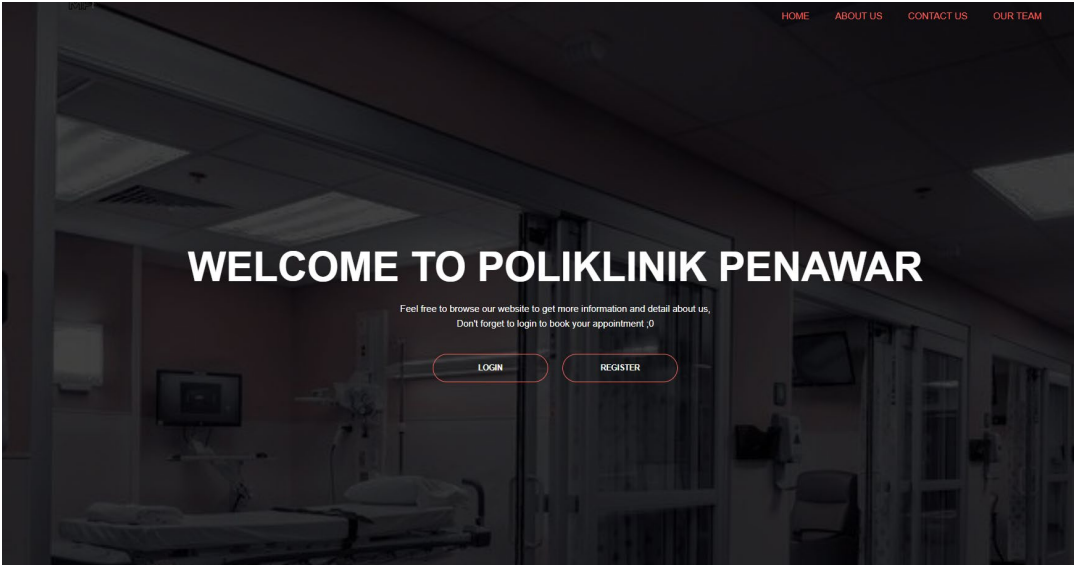
Revision History

Date	Version	Description	Author
27/4/2022	<1.0>	<System Development Planning>	- Adam Taufiq - Muhd Akmal - Ayu Najwa - Nurul Syafiqah - Nur Iwanina
26/5/2022	<2.0>	<System Requirements Specification>	- Adam Taufiq - Muhd Akmal - Ayu Najwa - Nurul Syafiqah - Nur Iwanina
25/6/2022	<3.0>	<System Design Descriptions>	- Adam Taufiq - Muhd Akmal - Ayu Najwa - Nurul Syafiqah - Nur Iwanina
23/7/2022	<4.0>	<Final Project Report>	- Adam Taufiq - Muhd Akmal - Ayu Najwa - Nurul Syafiqah - Nur Iwanina
23/7/2022	<5.0>	<User Manual>	- Adam Taufiq - Muhd Akmal - Ayu Najwa - Nurul Syafiqah - Nur Iwanina

1. Administrator

HOMEPAGE INTERFACE (ADMIN)

WELCOME TO POLIKLINIK PENAWAR

Feel free to browse our website to get more information and detail about us,
Don't forget to login to book your appointment ;0

LOGIN   REGISTER

Function that can perform:

1) View Company's About
2) View Company's Team
3) Contact Company
4) Log-In
5) Register

Details explanation of the function :

1) View Company's About

"About Us" button will lead the client to 'About Us Page' in the same tab as the 'Home Page'. This function is to allow the client (patient) to know the company background, services, vision and mission.

2) View Company's Team

"Our Team" button will lead the client to ' Our Team Page' in the same tab as the 'Home Page'. This function is to allow the client (patient) to know the company team members name, position,contact, e-mail as well as their official picture of themselves.

3) Contact Company

"Contact Us" button will lead the client to ' Contact Us Page' in the same tab as the 'Home Page' where there will be a form shown in the page. This function is to allow the client (patient) to contact the company through a form. It usually used by the client if they wanted to ask questions where the information was not provided on the website, out of curiosity. The form requires the client's name, e-mail, phone number and message. "Send" button will be click by the client if they has finished inserting all information needed in the form.

4) Log-In

This function is to allow the client (patient) to log-in into their 'Profile Page' where they can view profile, edit profile, make an appointment and view appointment history. A form will be shown when the client clicks on the "Log-In" button which requires the client username, password and user type. The client need to put the details exactly the same as the details when they register as a patient on the website. If the system cannot recognized the details in the database system, the client is unable to log-in into their 'Profile Page'. The "Login" button will be clicked by the client after they finish inserting all information needed correctly and a message "Welcome *"client username"* !" will be displayed then it will lead to their profile page.

5) Register

This function is to allow the client (patient) to register as a patient on the
website so that the system can store all of their data into the database system.
A form will be shown when the client clicks on the "Register" button
which requires the client's full name, IC number, username, password,
email, phone number and address. The client need to insert all of the
data information in the form since all of it is required. As a result, the client will
be unable to submit the form if any of the data information in the form is not
being filled. After the client finish inserting all data information, the client will
have to click on the "Register" button in the form in order to pass the data into
the database system. A message "You have successfully registered! Use
your registered username and password to Login." will be displayed after
the client clicks on the "Register" button in the form. This message is to inform
the client that they are successful to become a registered patient in the
system. This is also indicates that the client's data is successfully inserted in
the database system.

LOGIN INTERFACE (ADMIN)

Function that can perform:

1) Log-In

This function is to allow the client (patient) to log-in into their 'Profile Page' where they can view profile, edit profile, make an appointment and view appointment history. A form will be shown when the client clicks on the "Log-In" button which requires the client username, password and user type. The client need to put the details exactly the same as the details when they register as a patient on the website. If the system cannot recognized the details in the database system, the client is unable to log-in into their 'Profile Page'. The "Login" button will be clicked by the client after they finish inserting all information needed correctly and a message "Welcome *"client username"* !" will be displayed then it will lead to their profile page.

REGISTER INTERFACE (ADMIN)

Function that can perform:

1) Register

Details explanation of the function :

This function is to allow the client (patient) to register as a patient on the website so that the system can store all of their data into the database system. A form will be shown when the client clicks on the "Register" button which requires the client's full name, IC number, username, password, email, phone number and address. The client need to insert all of the data information in the form since all of it is required. As a result, the client will be unable to submit the form if any of the data information in the form is not being filled. After the client finish inserting all data information, the client will have to click on the "Register" button in the form in order to pass the data into the database system. A message "You have successfully registered! Use your registered username and password to Login." will be displayed after the client clicks on the "Register" button in the form. This message is to inform

the client that they are successful to become a registered patient in the system. This is also indicates that the client's data is successfully inserted in the database system.

EMPLOYEE PAGE INTERFACE (ADMIN)

Function that can perform:

1) View Profile
2) Edit Profile
3) View Appointment List
4) View Monthly Report

Details explanation of the function:

1) View Profile

The admin will be shown all their data information that they inserted when registering as a patient on the website in a table. This function is to allow the admin (doctor, nurse, staff) to checks all of their personal information to ensure the system stored the correct data of themselves.

2) Edit Profile

"Edit profile" button will pop-up a form in the same page that requires all data information of the admin (doctor, nurse, staff) that the system needed. This function is to allow the admin to edit their information into their updated one in the system. After the admin submits the form, the system will update the existing information of the admin in the database system to the new data information entered in the form.

3) View Appointment List

"Appointment List" button will lead the admin to another page in the same tab where there is a list of appointments that the customer has booked on the website. This function is to allow the admin to check the client's appointment request for them to update the its status it is in pending, approved, completed, or rejected. In addition, the admin can update the treatment details based on the client's health issue and delete the appointment request as soon as the appointment is completed. In other words, the admin will update the client's appointment request with all information needed by the system.

4) View Monthly Report

"Monthly Report" button will lead the admin to another page in the same tab where there is a list table that contains service ID, service name, the total number of bookings of that service and its total sales. The total number of bookings of that service and its total sales will be displayed by the selected month that the admin entered in the search filter.

EDIT PROFILE INTERFACE (ADMIN)

Function that can perform:

1) Edit Profile

Details explanation of the function :

"Edit profile" button will pop-up a form in the same page that requires all data information of the admin (doctor, nurse, staff) that the system needed. This function is to allow the admin to edit their information into their updated one in the system. After the admin submits the form,the system will update the existing information of the admin in the database system to the new data information entered in the form.

APPOINTMENT LIST INTERFACE (ADMIN)

Patient's Appointment List

APPOINTMENT ID	PATIENT IC	APPOINTMENT DATE	APPOINTMENT TIME	DOCTOR ID	STATUS	ACTION	DETAILS
BK00148	730727031099	2022-01-11	10:00 A.M.	D1946		👤 ✏ 🗑	Details
BK00192	790612160096	2021-09-12	03:15 P.M.	D1036		👤 ✏ 🗑	Details
BK00220	670411011237	2021-10-24	12:30 P.M.	D1337		👤 ✏ 🗑	Details
BK00242	580901100691	2021-12-05	02:45 P.M.	D1337		👤 ✏ 🗑	Details
BK00327	660416082545	2022-01-25	11:30 A.M.	D1036		👤 ✏ 🗑	Details

Function that can perform:

1) View Appointment List

Details explanation of the function :

"Appointment History" button will lead the admin to another page in the same tab where there is a list of appointments that the customer has booked on the website. This function is to allow the admin to check the client's appointment request for them to update the its status it is in pending, approved, completed, or rejected. In addition, the admin can update the treatment details based on the client's health issue and delete the appointment request as soon as the appointment is completed. In other words, the admin will update the client's appointment request with all information needed by the system.

MONTHLY REPORT INTERFACE (ADMIN)

Function that can perform:

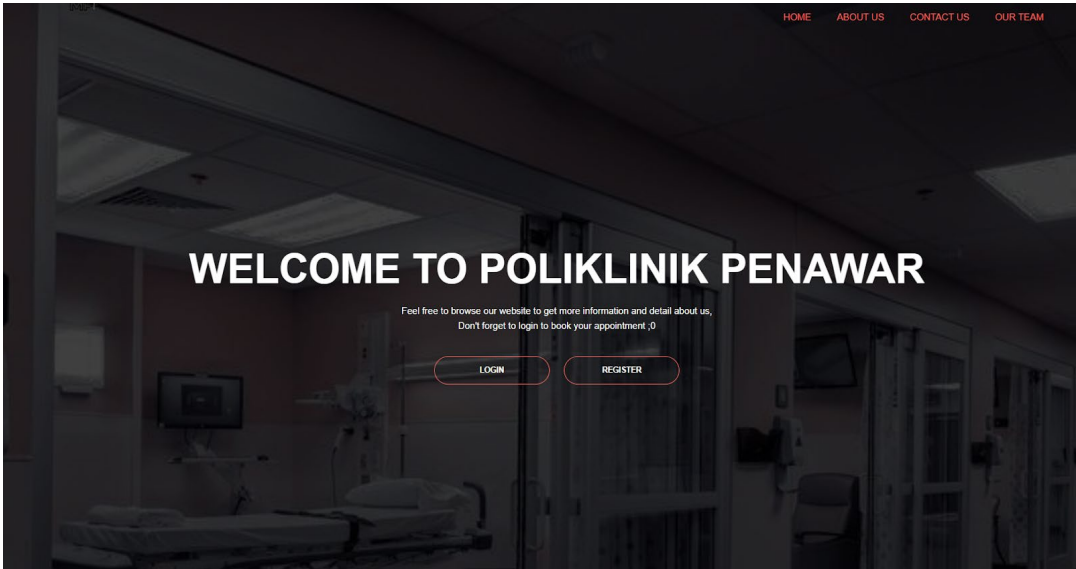1) View Monthly Report

Details explanation of the function :

"Monthly Report" button will lead the admin to another page in the same tab where there is a list table that contains service ID, service name, the total number of bookings of that service and its total sales. The total number of bookings of that service and its total sales will be displayed by the selected month that the admin entered in the search filter. This function will allow the admin to check on the total number of bookings made by the patients. The Total Sales can also be checked by searching the service ID as ach service ID contain the name of the service provided. Monthly report is crucial for the company to check on the company profits.

2.   Client

<Provide screenshots of your information system, do labeling and accurate description about the screen including processes/buttons/navigation/etc. Please create sections for each user you have in your information system.>

Example:

HOMEPAGE INTERFACE (CLIENT)

HOME   ABOUT US   CONTACT US   OUR TEAM

WELCOME TO POLIKLINIK PENAWAR

Feel free to browse our website to get more information and detail about us,
Don't forget to login to book your appointment ;0

LOGIN   REGISTER

Function that can perform:

1) View Company's About
2) View Company's Team
3) Contact Company
4) Log-In
5) Register

Details explanation of the function :

1) View Company's About

"About Us" button will lead the client to 'About Us Page' in the same tab as the

'Home Page'. This function is to allow the client (patient) to know the company

background, services, vision and mission.

2) View Company's Team

"Our Team" button will lead the client to ' Our Team Page' in the same tab as the 'Home Page'. This function is to allow the client (patient) to know the company team members name, position,contact, e-mail as well as their official picture of themselves.

3) Contact Company

"Contact Us" button will lead the client to ' Contact Us Page' in the same tab as the 'Home Page' where there will be a form shown in the page. This function is to allow the client (patient) to contact the company through a form. It usually used by the client if they wanted to ask questions where the information was not provided on the website, out of curiosity. The form requires the client's name, e-mail, phone number and message. "Send" button will be click by the client if they has finished inserting all information needed in the form.

4) Log-In

This function is to allow the client (patient) to log-in into their 'Profile Page' where they can view profile, edit profile, make an appointment and view appointment history. A form will be shown when the client clicks on the "Log-In" button which requires the client username, password and user type. The client need to put the details exactly the same as the details when they register as a patient on the website. If the system cannot recognized the details in the database system, the client is unable to log-in into their 'Profile Page'. The "Login" button will be clicked by the client after they finish inserting all information needed correctly and a message "Welcome *"client username"* !" will be displayed then it will lead to their profile page.
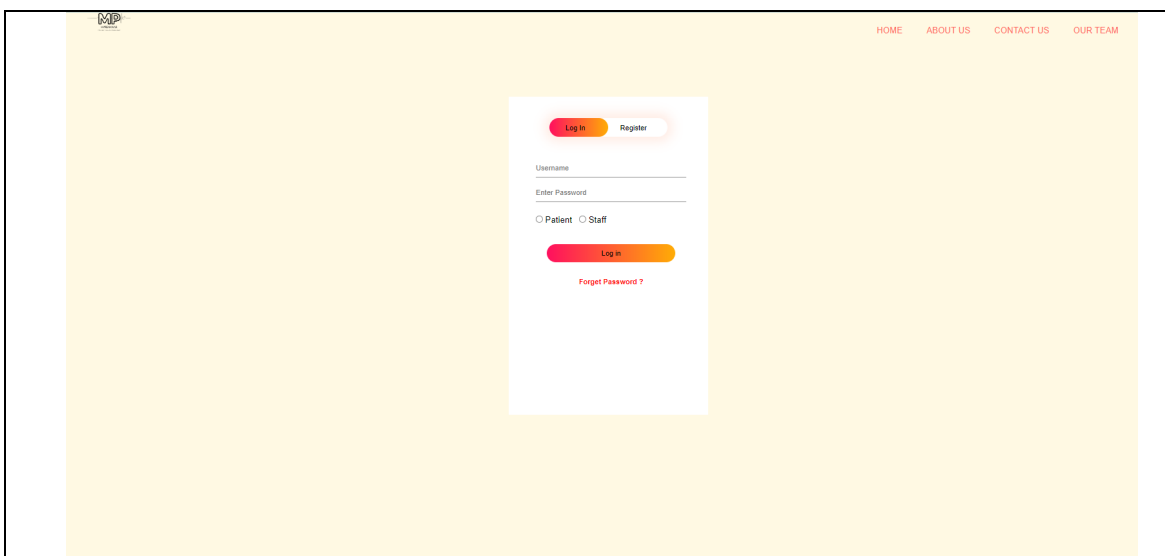
5) Register

This function is to allow the client (patient) to register as a patient on the website so that the system can store all of their data into the database system. A form will be shown when the client clicks on the "Register" button which requires the client's full name, IC number, username, password, email, phone number and address. The client need to insert all of the data information in the form since all of it is required. As a result, the client will be unable to submit the form if any of the data information in the form is not being filled. After the client finish inserting all data information, the client will have to click on the "Register" button in the form in order to pass the data into the database system. A message "You have successfully registered! Use your registered username and password to Login." will be displayed after the client clicks on the "Register" button in the form. This message is to inform the client that they are successful to become a registered patient in the system. This is also indicates that the client's data is successfully inserted in the database system.

LOGIN INTERFACE (CLIENT)

Function that can perform:

1) Log-In

This function is to allow the client (patient) to log-in into their 'Profile Page' where they can view profile, edit profile, make an appointment and view appointment history. A form will be shown when the client clicks on the "Log-In" button which requires the client username, password and user type. The client need to put the details exactly the same as the details when they register as a patient on the website. If the system cannot recognized the details in the database system, the client is unable to log-in into their 'Profile Page'. The "Login" button will be clicked by the client after they finish inserting all information needed correctly and a message "Welcome *"client username"* !" will be displayed then it will lead to their profile page.

(client)

REGISTER INTERFACE (CLIENT)
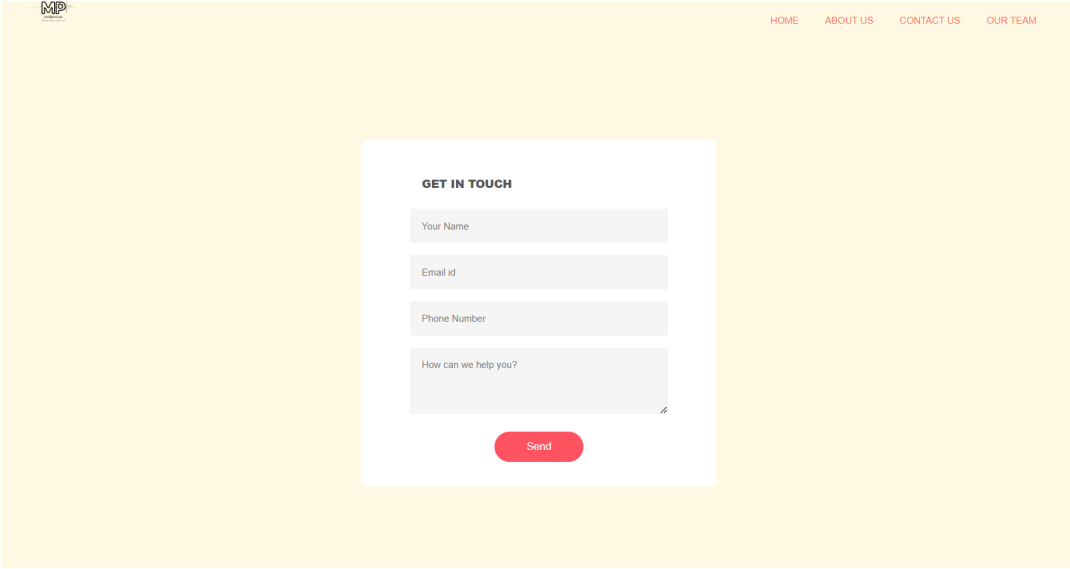

Function that can perform:

1) Register

Details explanation of the function :

This function is to allow the client (patient) to register as a patient on the website so that the system can store all of their data into the database system. A form will be shown when the client clicks on the "Register" button which requires the client's full name, IC number, username, password, email, phone number and address. The client need to insert all of the data information in the form since all of it is required. As a result, the client will be unable to submit the form if any of the data information in the form is not being filled. After the client finish inserting all data information, the client will have to click on the "Register" button in the form in order to pass the data into the database system. A message "You have successfully registered! Use your registered username and password to Login." will be displayed after the client clicks on the "Register" button in the form. This message is to inform

the client that they are successful to become a registered patient in the system. This is also indicates that the client's data is successfully inserted in the database system.

CONTACT US INTERFACE (CLIENT)

HOME   ABOUT US   CONTACT US   OUR TEAM

GET IN TOUCH

Your Name

Email id

Phone Number

How can we help you?

Send

Function that can perform:

1) Contact Company

Details explanation of the function :

1) Contact Company

"Contact Us" button will lead the client to ' Contact Us Page' in the same tab as the 'Home Page' where there will be a form shown in the page. This function is to allow the client (patient) to contact the company through a form. It usually used by the client if they wanted to ask questions where the information was not provided on the website, out of curiosity. The form

requires the client's name, e-mail, phone number and message. "Send" button will be click by the client if they has finished inserting all information needed in the form.

ABOUT US INTERFACE (CLIENT)

HOME   ABOUT US   CONTACT US   OUR TEAM

Background

The Poliklinik Penawar strategically placed, owned by the company Kumpulan Perubatan Penawar Sdn. Bhd is located at No 28G, Jalan Semenyih Sentral 4, Taman Semenyih Sentral, 43500 Semenyih,Selangor, Malaysia, and was discovered by Dr. Rushmini Maris Ismail.

Services

The polyclinic provided services such as regular medical check-ups, as well as mental health services. Contribute to the care of patients suffering from behavioural issues — especially those from low socio-economic backgrounds. Furthermore, advocate for women's reproductive health such as menstrual hygiene and pediatric care. Lastly, nutritional and dietary plans.

Vision

to be a one-stop specialists' center and personalized patient care with an advanced-computerized clinic system

Mission

"Serving a better hospice"

Function that can perform:
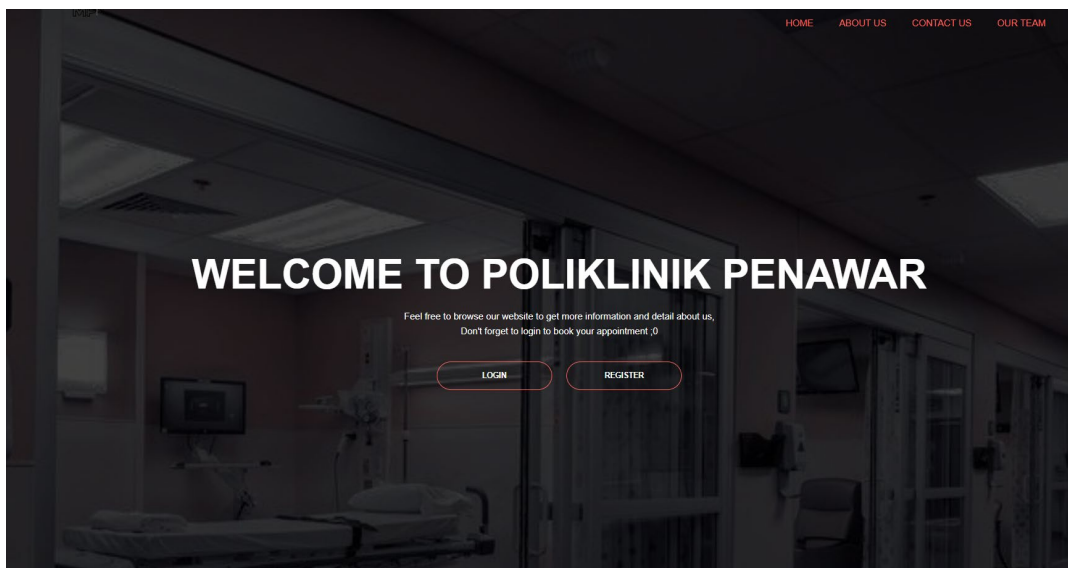
1) View Company's About

Details explanation of the function :

1) View Company's About

"About Us" button will lead the client to 'About Us Page' in the same tab as the 'Home Page'. This function is to allow the client (patient) to know the company background, services, vision and mission.

HOMEPAGE INTERFACE (CLIENT)

WELCOME TO POLIKLINIK PENAWAR

Feel free to browse our website to get more information and detail about us,
Don't forget to login to book your appointment ;0

LOGIN   REGISTER

Function that can perform:

1) View Company's About
2) View Company's Team
3) Contact Company
4) Log-In
5) Register

Details explanation of the function :

1) View Company's About

"About Us" button will lead the client to 'About Us Page' in the same tab as the
'Home Page'. This function is to allow the client (patient) to know the company
background, services, vision and mission.

2) View Company's Team

"Our Team" button will lead the client to ' Our Team Page' in the same tab as the
'Home Page'. This function is to allow the client (patient) to know the company
team members name, position,contact, e-mail as well as their official picture
of themselves.

3) Contact Company

"Contact Us" button will lead the client to ' Contact Us Page' in the same tab as the 'Home Page' where there will be a form shown in the page. This function is to allow the client (patient) to contact the company through a form. It usually used by the client if they wanted to ask questions where the information was not provided on the website, out of curiosity. The form requires the client's name, e-mail, phone number and message. "Send" button will be click by the client if they has finished inserting all information needed in the form.

4) Log-In

This function is to allow the client (patient) to log-in into their 'Profile Page' where they can view profile, edit profile, make an appointment and view appointment history. A form will be shown when the client clicks on the "Log-In" button which requires the client username, password and user type. The client need to put the details exactly the same as the details when they register as a patient on the website. If the system cannot recognized the details in the database system, the client is unable to log-in into their 'Profile Page'. The "Login" button will be clicked by the client after they finish inserting all information needed correctly and a message "Welcome *"client username"* !" will be displayed then it will lead to their profile page.

5) Register

This function is to allow the client (patient) to register as a patient on the website so that the system can store all of their data into the database system. A form will be shown when the client clicks on the "Register" button which requires the client's full name, IC number, username, password, email, phone number and address. The client need to insert all of the

data information in the form since all of it is required. As a result, the client will be unable to submit the form if any of the data information in the form is not being filled. After the client finish inserting all data information, the client will have to click on the "Register" button in the form in order to pass the data into the database system. A message "You have successfully registered! Use your registered username and password to Login." will be displayed after the client clicks on the "Register" button in the form. This message is to inform the client that they are successful to become a registered patient in the system. This is also indicates that the client's data is successfully inserted in the database system.

PATIENT PAGE INTERFACE (CLIENT)

Function that can perform:

1) View Profile
2) Edit Profile
3) Make Appointment

4) View Appointment History List

Details explanation of the function :

1) View Profile
The client will be shown all of their data information that they inserted

when registering as a patient on the website in a table. This function is to allow

the client (patient) to checks all of their personal information to ensure the

system stored the correct data of themselves. The client information is

important in order to avoid false client's data information when generating

their appointment invoice or any other documentation.

2) Edit Profile

"Edit profile" button will pop-up a form in the same page that requires all

data information of the client (patient) that the system needed. All required

data information is exactly the same as all data information needed when

the client registers as a patient on the website. This function is to allow the

client to edit their information into their updated one in the system. After the

client submit the form, the system will update the existing information of the

client in database system to the new data information entered in the form.

2) Make Appointment

"Make Appointment" button will lead the client to another page in the same

tab where there is an appointment details form that the client needs to insert

all required data information for the system to store their appointment request

and pass the request to the doctor on duty for approval. This function is to

allow the client to book their session with the doctor at a specific time rather

than taking walk-in sessions that don't have a specific time for their turn

and causing them to wait a lot of time.

3) View Appointment History List

"Appointment History" button will lead the client to another page in the same tab where there is an information table of the client's appointment history. This function is to allow the client to track their previous appointment with the clinic as well as it status whether it is in pending, approved, completed or rejected status.

EDIT PROFILE PAGE INTERFACE (CLIENT)

Function that can perform:

1) Edit Profile

Details explanation of the function :

1) Edit Profile

This function is to allow the client to edit their information into their updated one

in the system. When the client click on "Edit profile" button, it will pop-up a form that contains all data information needed for the client to insert which is username, full name, email, phone number and address. The client need to insert all of the data information in the form since all of it is required. Due to this, the client will be unable to submit the form if any of the data information in the form is not being filled. After the client finish inserting all data information, the client will have to click on the "Submit" button in order to pass the data into the database system. A message "Profile Successfully Updated" will be displayed after the client clicks on the submit button. This message is to inform the client that their existing data is successfully updated into the new one. This is also indicates that the client's data is successfully updated in the database system. If the data is unsuccessfully updated in the database system, a message "Profile Unsuccessfully Updated" will be displayed. A close button ("X") is provided for the client to close the pop-up form.

PATIENT BOOKING PAGE INTERFACE (CLIENT)

Function that can perform:

1) Make Appointment

Details explanation of the function :

1) Make Appointment

This function is to allow the client to book their session with the doctor at a specific time. This page appears when the client clicks on the "Make Appointment" button in the 'Profile Page' and a form will be shown for the client to insert all appointment details needed by the system. The appointment details that the client need to be inserted is the appointment date, description that explain their health issue and choose the time interval of the appointment date. The form also provided an information table that contains the company operation time, doctor on duty on each time interval of a day and the current slots that are already booked by other clients on each time interval. Based on this information table, the client can make a decision on what time interval that they wanted to book. The client is required to fill all appointment details in the form. "Submit" button will be need to click by the client after they had finished filling in all details and a message "Your appointment is in progress" will be displayed, informing that the data is successfully stored in the database system. "Your appointment is failed to be progress" will be displayed if the system failed to store all the data in the database system. The appointment request will be pass to the doctor on duty for their approval. A "Back" button is provided for the client to go back to the 'Profile Page'.

PATIENT APPOINTMENT HISTORY PAGE INTERFACE (CLIENT)

HOME   ABOUT US   CONTACT US   OUR TEAM

Appointment History List

APPOINTMENT ID	PATIENT IC	APPOINTMENT DATE	APPOINTMENT TIME	DOCTOR ID	STATUS
BK00242	580901100691	2021-12-05	02:45 P.M.	D1036	

Function that can perform:

1) View Appointment History

Details explanation of the function :

1) View Appointment History

This function is to allow the client to track their previous appointment with the clinic as well as it status whether it is in pending, approved, completed or rejected status. "Appointment History" button in the 'Profile Page' will lead the client to another page in the same tab where there is an information table of the client's appointment history.