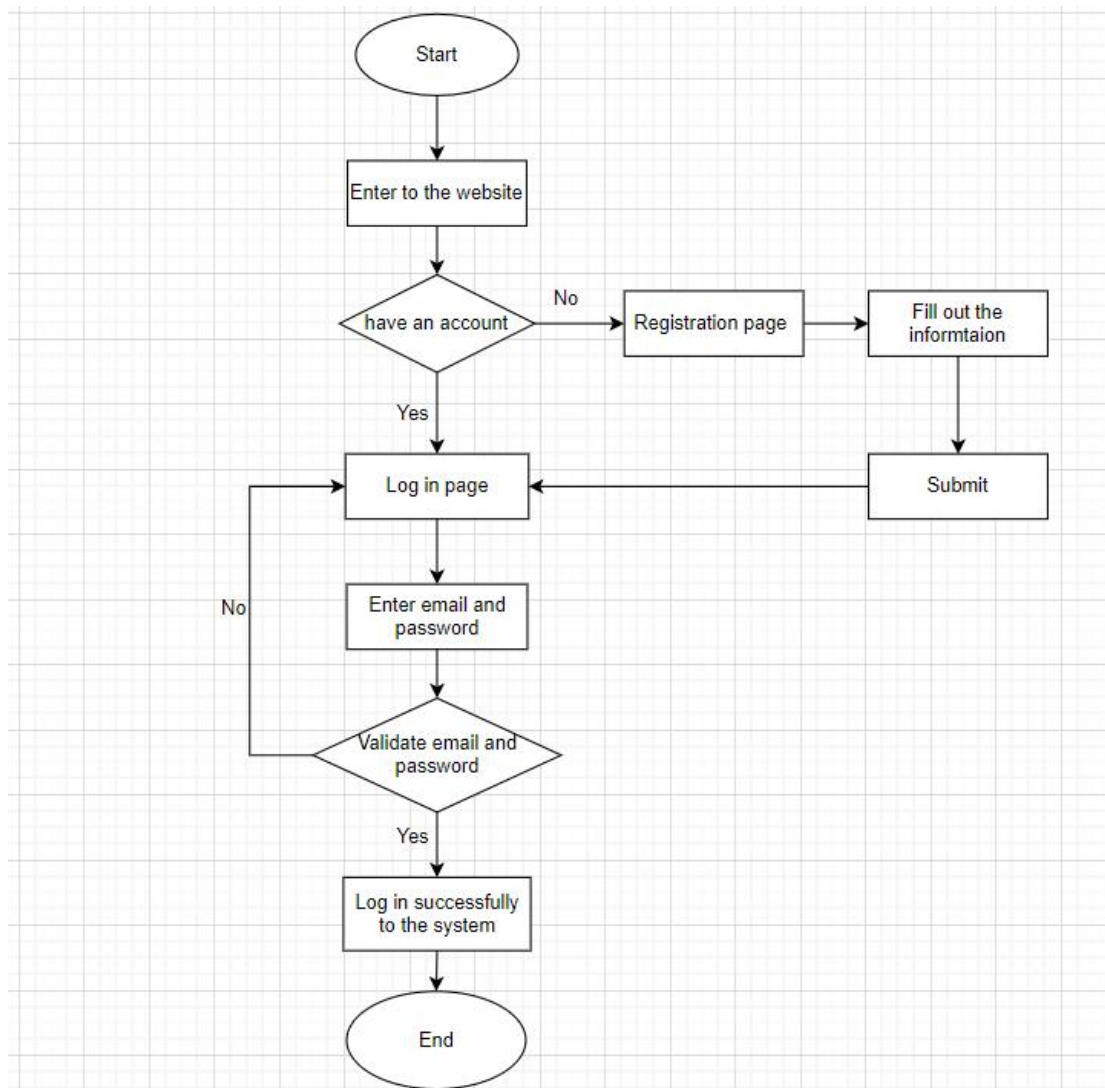


I. Login function flowchart



Analysis:

On the Front-end side, I use `useState()` to create an object with an initial state consisting of 2 fields `{email: undefined, password: undefined}`. When the user enters information including email and password, the system will use the post method of axios to send user's information to the server by route (URL). Post method will send user's information according to the route (URL) to the server and run login function to validate user.

On the Back-end side, the login function will check if the email is in the database? Whether that email is being stored in the database? If there is no email in the database, the system will report a 404 error with the content "Email not found!".

After checking the available email, the password from the front-end side is encrypted and sent to the database, then the system will check the password in the database with the password sent from the client side. If the password is wrong, the system will report: "Wrong password or email!". After successful login with available email and password, you have the right to do tasks for users on the system.

II. How to use the two-page interface (login page and profile page)

1. Two-page interface

Login

Email:
example@kyanon.digital

Password:

☒ Show password

Sign in

Profile

Full name:
Pham Minh Chien

Day of Birth:
16/11/2000

Email:
test@gmail.com

Phone:
0937097045

Update Cancel

Activate Windows
Go to Settings to activate Windows.

2. Login page

On the login page, "Show password" check box can work like that

Login

Email:

example@kyanon.digital

Password:

.....

☐ Show password

Sign in

And then when you click on “Show password” checkbox, the password will appear

Login

Email:

example@kyanon.digital

Password:

helloworld123

Click to show
password

☒ Show password

Sign in

3. Profile page

This is the profile page, you can fill your information

Profile

Full name:

Pham Minh Chien

Day of Birth:

16/11/2000

Email:

test@gmail.com

Phone:

0937097045

Update

Cancel

Activate Windows

Go to Settings to activate Windows

When you input the wrong email (without . or @). It's will show the error alert.

Profile

Full name:

Pham Minh Chien

Day of Birth:

16/11/2000

Email:

testgmail

Validate email

Email is invalid.

Phone:

0937097045

Update

Cancel

With the phone you should input 10 digits phone number in different formats like

123456789

(123) 456-7890

(123)456-7890

123-456-7890

123.456.7890

1234567890

+31636363634

075-63546725

However, when you do not input right number it will show the error alert

Profile

Full name:

Pham Minh Chien

Day of Birth:

16/11/2000

Email:

test@gmail.com

Phone:

0937097

Validate phone

Phone is invalid.

Click to update

Update

Cancel

4. Updated user information page

After checking all right information you input, you can click “Update” button to update your profile.

Updated User Information

Full name:

Pham Minh Chien

Day of Birth:

16/11/2000

Email:

test@gmail.com

Phone:

0937097045

Edit

Activate Windows

Go to Settings to activate Windows.

Change information

If you want to change some information you can click “edit” button.