**Functionality guide**

1. Project summary

This is a social product where users can register their own accounts, send, modify, and delete tweets, and view tweets from other users on the website.

2. Web map

A screenshot of a computer

Description automatically generated

3. Function and usage description

* Only login users are allowed to use the product.
* Users must start at index page, there is an alert occurring and let user go to login if user start at other page.
* When a user clicks sign up, there is a prompt that will be displayed and let user fill in name, password, re-type password, email, and birthday. If
* Rules of fill in.
* Name: cannot be empty.
* Email: follow the format xxx@xxx.xxx.
* Password: must be including number, uppercase letter, and short case letter.
* Re-type password: must be same with password.
* If the email already exists in the database, the user will be prompted that the account already exists.
* Users can sign in if they have account, and then link to the home page.
* home page
* There are links to other pages.
* Users can post something at the top area, when user submits the post, the content will be fill into database.
* All the user’s tweets will be showing on the home page.
* There is a filter that allows users to choose to see all tweets or tweets which has likes.
* Search page.
* The content section is empty by default.
* User can fill keywords inside the top input bar, and then the content with the keywords will be shown at the main area.
* Profile page.
* The user’s information will be shown at the top of the page, including name, description, and avatar.
* The prompt will occur when the user clicks edit profile button, then user and fill the new name and description inside the prompt. The new content will link to database.
* All tweet posted from user will be shown in this page, and user can edit and delete it. The new content will link to database.
* User can log out, and then back to the index page.

4. Database description

There are 4 tables in the database.

* Tweeter\_user is used to save the user’s information.

Including: id (int), name (varchar), password (varchar), description (varchar), birth\_month(int), birth\_day(int), birth\_year(int).

* Tweets are used to save the tweets andrelated to the Tweeter\_user table through userid.

Including:id(int), text (varchar), userid (int).

* Likes is used to save the like for each tweet and related to the Tweeter\_user table through userid; Tweets table through tweetid.

Including:id(int), userid(int), tweetid(int), status(boolean).