

## CSE348 Project: Twitter Clone

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In this Project you will develop a basic Twitter clone. In order to do this, you should have a database to store user data, html scripts to add visual components, and php code to operate business logic.

### Database

In the database part, it is expected you to create a sql file to create necessary tables. You will create the following tables.

- I. Create a table for holding information about USERS.
- II. Create a table for holding TWEETS that users post.
- III. Create a table for holding information about who FOLLOWS who.

In addition, you should add two stored procedure mechanisms to call when tweets are displayed (1 for homepage 1 for profile page).

### Business Logic & GUI

As a starting point, 'index.html' is given. If you need to get more information in the registration part, you can add more form-groups like in the given part. In this html code, you can also notice that you should create login.php and register.php to satisfy the functionalities of login and register.

**register.php:** You should get necessary information from users and query in order to store them into the database. (Password can be stored in plain text format.)

**login.php:** check authentication of the user. If the user is authenticated, the user session will start, and user will be directed to HomePage. If the authentication fails, the user should be informed.

*HINT:* To start a user session, php has a super global variable named \$\_SESSION.

**homepage.php:** when user is authenticated this page will be displayed. In this page, tweets of the followed users should be displayed according to creation date in descending order. This display should be developed by calling the stored procedure you have added to the database. Also, users should search for another user to follow (Figure2). In order to do this, there should be a search bar on this page. If the searched user is found, a follow button should be placed under the user info as in Figure2. If the user is searched and cannot be found, the user should be informed. To arrange the number of followers and number of the following of the user, you should describe these functionalities inside the follow.php. Additionally, a profile button should exist to lead the user to the Profile page. An example of

this page is shown in Figure1. User2 is the active user in this scenario and follows user1 so tweets of user1 are listed. logout.php is given, you should call it from html to function the logout button.

**follow.php:** In this php file you should update the follow table when a user is followed. Also, you may need to update the user table if you are storing the number of followers and followings in the user table.

**profile.php:** Profile page should welcome the user by his/her name and display all the information of the user including number of followers and following. There should be an input area to write the tweets and post them. You may need to write a **tweet.php** to insert the tweets to the tweet table. Also, tweets of the user himself should be displayed, by calling the other stored procedure you wrote. Those tweets are also listed according to creation date, and they should be in descending order. For an example, see Figure 3.

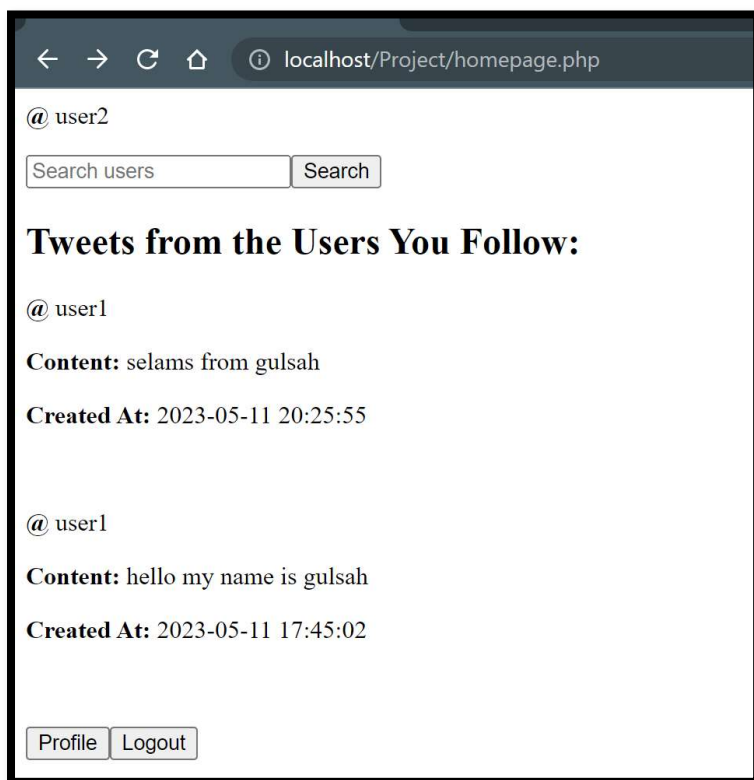


Figure1: HomePage

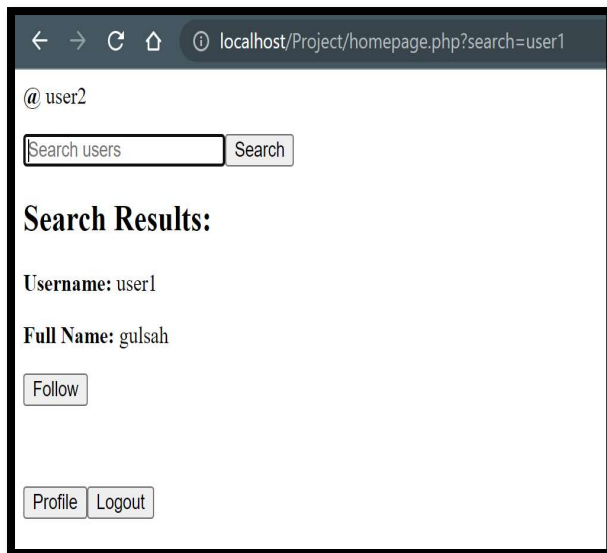


Figure2: Searching another user



Figure3: Profile Page

Send your project files (**including php files, html files and sql file of the database**) with **a zip file** named as your name and surname, attached in front of "CSE348Project" (e.g., "NameSurnameCSE348Project.zip") through the "CSE 348 - Term Project" link on the course page on YULEARN