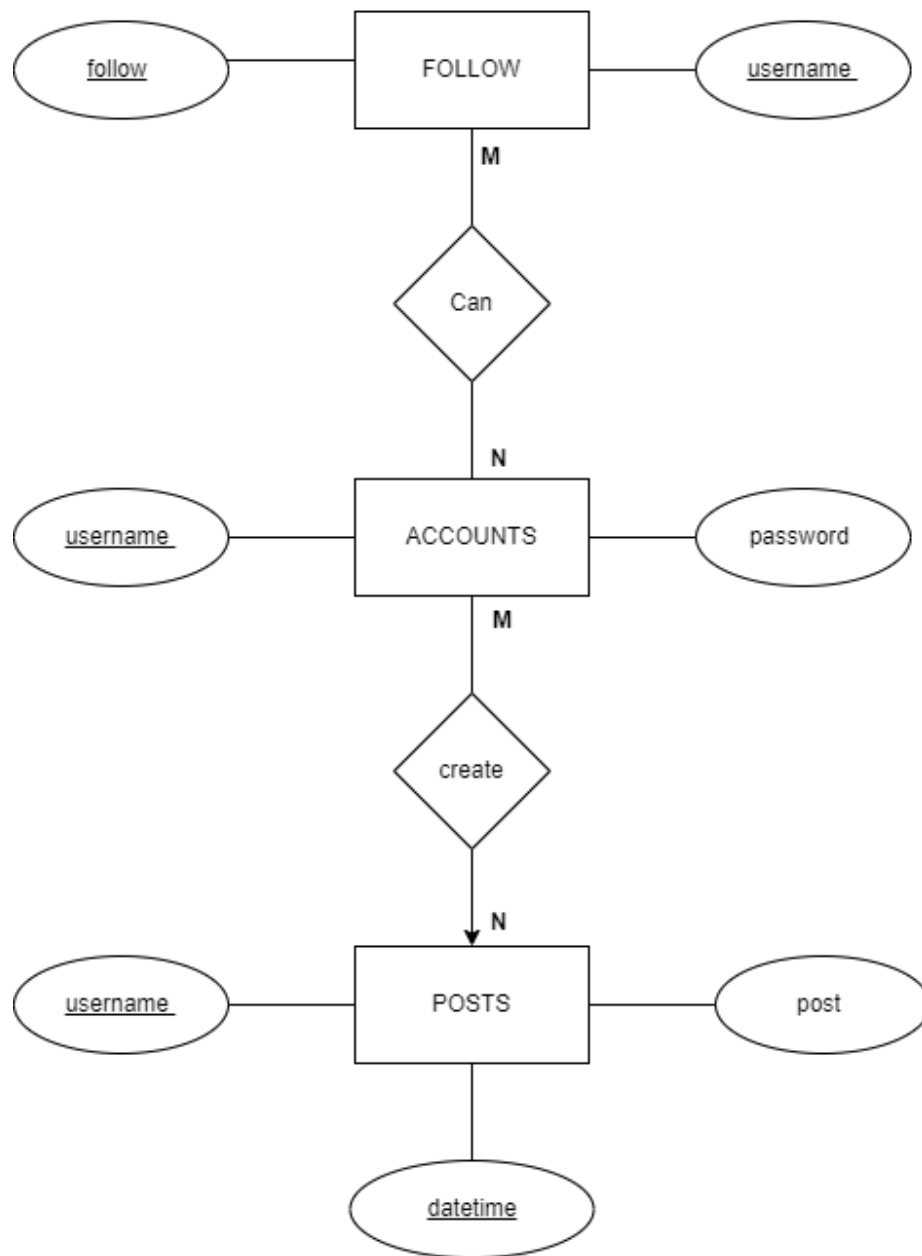# Term Project – Social Network Website - Data Engineering

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ER Diagram

How To Run the Website

1. Clone the following repository.

   ```
   git clone https://github.com/Dawood0/Simple_Social_Network
   ```

2. Configure MySQL credentials to match the host settings.

   ```
   Simple_Social_Network
   |- databases
   | |- db.js
   ```

3. Run the schema file to create an instace of the database used in website.

   ```
   Simple_Social_Network
   |- database.sql
   ```

4. Run the website

   ```
   node index.js
   ```

5. Access localhost port 8000 from your browser.

   ```
   localhost:8000
   ```

Test Cases

Sign up

Hashing the user's password

Login

Hello, Mohammed!

Post: [Wasaaap] [New Post]

Follow: [What's the user's name?] [Follow]

Unfollow: [What's the user's name?] [Unfollow]

Search: [What's the user's name?] [search]

Visit: [What's the user's name?] [visit]

My Posts:

Wrong Credentials Login

Username: [Mohammed]   Password: [•••••]   [Log in] [Sign Up]

Wrong Credentials!

Logout

Username: [required]   Password: [required]   [Log in] [Sign Up]

Figure 1: Logout and redirect to sign in page

Friends

To be friends with someone you have to mutually follow each other.

Hello, Mohammed!

Post: [Wasaaap]   [New Post]

Follow: [ali]   [Follow]

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Follow: omar [Follow]

Hello, ali!

Post: Wasaaap [New Post]

Follow: Mohammed [Follow]

Hello, omar!

Post: Wasaaap [New Post]

Follow: Mohammed [Follow]

These are your friends, Mohammed!

ali

omar

Creating new post

Hello, Mohammed!

Post: [I feel good :(] [New Post]

Hello, Mohammed!

Post: [Wasaaap] [New Post]

Follow: [What's the user's name?] [Follow]

Unfollow: [What's the user's name?] [Unfollow]

Search: [What's the user's name?] [search]

Visit: [What's the user's name?] [visit]

My Posts:

- Fri Jun 24 2022 23:10:06 GMT+0200 (Eastern European Standard Time), Mohammed: I feel good :(
- Fri Jun 24 2022 20:57:51 GMT+0200 (Eastern European Standard Time), ali: ali

Profile page

👤 **Mohammed**

Change your profile picture:

Choose File | No file chosen   Upload Image

This is your profile!

These are your posts:

My Posts:
- Fri Jun 24 2022 23:10:06 GMT+0200 (Eastern European Standard Time), Mohammed: I feel good :(

These are your friends:

[ali](#)

[omar](#)

Search

Search results:

- ali

Search results:

- ali

Visit

Visit: | ali | visit

This is user ali!

Follow

Unfollow

Posts:

- Fri Jun 24 2022 20:57:51 GMT+0200 (Eastern European Standard Time), ali: ali

Follow an Already Followed User

Unfollow: ali   Unfollow

You are not following this user!