

Assignment 1 - Microblog

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# Initial Data Details

## User Table

I used friends names except for my own record which was requested I used my student id and email, the other users emails were their [name@domain.com](mailto:name@domain.com) and the ID field just auto incremented with each record.

There was 6 records including myself. The following goes, ID, name, email, password

Password hash for ‘password’ is: $2y$10$EnVzJb013o8UNlKfPrdZ8e5SfvMLYTk4d4Bc9eeZLZwfDKWv.24Se

Password hash for ‘guest’ is:

$2y$10$9WjMw8d5A/QpB9GEypQJ6uBG5kGx7T3mI.9Q3dKutbiPVnkgybZaa

I just use the plain text here to simplify it.

1, 30332405, [blocka97@hotmail.com](mailto:blocka97@hotmail.com), password

2, Jesse, [jesse@hotmail.com](mailto:jesse@hotmail.com), password

3, Matthew, [matthew@live.com](mailto:matthew@live.com), password

4, Jacob, [Jacob@gmail.com](mailto:Jacob@gmail.com), password

5, Nathan, [nathan@hotmail.com](mailto:nathan@hotmail.com), password

6, tutor, [tutor@email.com](mailto:tutor@email.com), guest

## Following Table

The following are the IDs and who they are following e.g. 1, 2 means user 1 (30332405) is following Jesse. Initially the table has 6 records to test.

2 , 1

6 , 1

1 , 2

1 , 5

1 , 6

4 , 6

This was done to test that the database allowed 1 user to follow many different users and that other users can follow the user back e.g. 1 following 2, 2 following 1.

## Post Table

The post table tests the in\_reply\_to foreign key. The initial data is as follows; id, user\_id, post\_date, in\_reply\_to, text. The date time is in 24 hours hh:mm:ss and the date is yyyy:mm:dd.

1, 1, 2018-04-19 14:14:37, NULL, this is my first post! Hello World

2,2 2018-04-21 11:20:14, 1 , Hello! This is also my first reply!

3,6, 2018-04-11 13:59:08, NULL, I just joined this site, this is my first post, hello!

4,5, 2018-04-17 14:34:32, 3, Welcome to the site, nice to see new faces.

5, 1, 2018-04-16 11:06:14, NULL, The quick brown fox jumps over the lazy dog

6,4 2018-04-17 13:22:17, 5, what if the dog was not lazy? Would the fox still be able to jump over the dog?

# Testing the Database

SQL to add user

GRANT SELECT, INSERT, UPDATE, DELETE

ON assignment1.\*

TO 'assignment1User'@'localhost'

IDENTIFIED BY ‘uXURCyzZaHHrm7f0’;

SELECT \* FROM `follow` - Displays all of the user ID and follower Id.

SELECT \* FROM `post` - displays all data from the post table.

SELECT \* FROM `user` - displays all data from the user table.

# What is completed

## User accounts

* + User is able to create a new user, if the name is taken there is an error with name taken. If password is less than 5 characters displays an error.
  + Users are able to login to their new accounts or existing accounts. If any of the fields are empty display error. If password incorrect display error.
  + Once a user is logged in a log out button appears on every page which logs the user out.

## Global Timeline

* + Index.php displays the last 10 posts from ALL users sorted in descending date order
  + If the post is in a reply, references the post ID and link takes you to the anchor of the div

## Creating posts

* + User can create a post only if they are logged in. If no login then displays login screen with an error message
  + Uses javascript to track char count inside of the post box, if char count hits 160 then makes the textbox un-usable but can still post to database.
  + Php checks again before saving text to database

## Following

* + Logged in users only see posts from who they are following, this is displayed on this index.php page which is also limited to 10 posts.
  + Logged in users can follow other users using the “follow” link on the Members page, if not logged in displays error message

# Replying

* + Logged in users see a reply link which takes the user to the create post page and anything they post will be in reply to the post they clicked. If the user changes pages or clicks post then any following posts will NOT be a reply.

# Aggregate data

* + Member stats page shows a table of members and the number of followers they have in desc order. Table stops at 10 users.
  + Top 20 posts by reply ordered by number of replies.
  + Display amount of replies on posts that have replies.
  + Display posts made in last 24 hours at the top of the global timeline

# Additional assistance

* + I did not reach out to anybody other than my tutor for help.