CS215: Web and Database Programming

Assignment 6
Submission Log

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Submitted To   **:** Mr. Milad Momeni

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Assignment Overview:

This assignment implements AJAX updates for an interactive blogging web application, building upon the previous assignments. Features include periodic updates of blog posts and comments, as well as AJAX-based up-vote and down-vote functionality.

URL to the Web Application:

https://students.cs.uregina.ca/~your-username/assignment6/

User Accounts for Testing:

1. **Username:** mehrab123@gmail.com

   Password: Password123!

2. **Username:** nahid123@gmail.com
   Password: Password123!

3. **Username:** parthib123@gmail.com

   Password: Password123!

File List and Description:

1. **ajaxHandler.js:** for all the ajax handling. dynamic updates for blogs, comments, and votes without requiring a page reload.

   Contributor: Nahid Al Hasan

2. **get_comment_updates.php:** for updating the comments automatically in every 2 minutes.

   Contributor: Mehrab Hossain

3. **get_recent_blogs.php:** refreshes blogs in every 2 minutes so that the recent blog is at the top.

Contributor: Parthibuzzaman

4. **process_vote.php:** processing for the upvotes and downvotes for the comments.

Contributor: Nahid Al Hasan

5. **blogdetails.php:** Made changes to this to accommodate php codes for efficiency and dynamic vote counter.

Contributor: Parthibuzzaman

6. **login.php:** Added recent posts to show at the top

Contributor: Mehrab Hossain

I have made sure to include small changes in here as well as a lot of the previous submissions have been changed. Below I have provided the mysql code as the mysql code was also changed after the submission of Assignment 4.

MySQL:

```
CREATE TABLE users (
    ->    id INT AUTO_INCREMENT PRIMARY KEY,
    ->    fname VARCHAR(255) NOT NULL,
    ->    lname VARCHAR(255) NOT NULL,
    ->    dob DATE NOT NULL,
    ->    email VARCHAR(255) UNIQUE NOT NULL,
    ->    screenname VARCHAR(100) NOT NULL,
    ->    password VARCHAR(255) NOT NULL,
    ->    avatar VARCHAR(255),
    ->    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
    -> );
```

```sql
CREATE TABLE posts (
    ->    id INT AUTO_INCREMENT PRIMARY KEY,
    ->    user_id INT NOT NULL,
    ->    content TEXT NOT NULL,
    ->    image_path VARCHAR(255),
    ->    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ->    upvotes INT DEFAULT 0,
    ->    downvotes INT DEFAULT 0,
    ->    FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE
    -> );

CREATE TABLE comments (
    ->    id INT AUTO_INCREMENT PRIMARY KEY,
    ->    post_id INT NOT NULL,
    ->    user_id INT NOT NULL,
    ->    content TEXT NOT NULL,
    ->    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ->    upvotes INT DEFAULT 0,
    ->    downvotes INT DEFAULT 0,
    ->    FOREIGN KEY (post_id) REFERENCES posts(id) ON DELETE CASCADE,
    ->    FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE
    -> );

CREATE TABLE post_votes (
    ->    id INT AUTO_INCREMENT PRIMARY KEY,
    ->    user_id INT NOT NULL,
    ->    post_id INT NOT NULL,
    ->    vote_type ENUM('upvote', 'downvote') NOT NULL,
    ->    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ->    UNIQUE KEY unique_user_post_vote (user_id, post_id),
    ->    FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE,
    ->    FOREIGN KEY (post_id) REFERENCES posts(id) ON DELETE CASCADE
    -> );

CREATE TABLE comment_votes (
    ->    id INT AUTO_INCREMENT PRIMARY KEY,
    ->    user_id INT NOT NULL,
    ->    comment_id INT NOT NULL,
    ->    vote_type ENUM('upvote', 'downvote') NOT NULL,
    ->    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    ->    UNIQUE KEY unique_user_comment_vote (user_id, comment_id),
    ->    FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE,
    ->    FOREIGN KEY (comment_id) REFERENCES comments(id) ON DELETE CASCADE
    -> );
```

First Database:
$dbname = 'nah661';
$username = 'nah661';
$password = '25Thfeb2023';

Second Database:
$dbname = 'mhf255'
$username = 'mhf255'
$password = 'Laftkey_4280'