

Detailed Description of the Implementation

Prepared by: Kenneth Oh

Github repo: <https://github.com/koh0012/COSC-360-Final-Project>

Features Implemented

The following features have been implemented in MyBlogPost project. HTML, CSS and JavaScript were used to implement front-end, and PHP was used to implement back-end technology.

Implemented Features for Members and Visitors:

- Support browsing for visitors
- Sign-up for the website with username, password, e-mail, and image
- Login with username and password
- Create posts and select categories
- Allow users to edit their own profile (username, password, e-mail and image)
- Password recovery by e-mail
- Close an account

Implemented Features for Administrators:

- Search for user by username and e-mail
- Block/Unblock user accounts
- Edit/Remove posts

Description of the PHP and JavaScript Files

PHP Files

There are PHP files linked to their own respective html. They will check server request method, and if the requested method is not POST, it will display error message accordingly. The PHP files handle various user inputs and display appropriate message. For instance, in createAccount.php, the file will verify server request method and will show a message to let the user know the account has successfully been created.

JavaScript File

The JavaScript file is used to check if all mandatory fields are filled out before submitting the form in html. If one of the mandatory fields is missing, it will display an error message and will

prevent submission of the form. The missing field will be highlighted in pink borders and pink backgrounds. Note that the file was taken from Assignment 9, with few modification to be used for this project.

Known Limitations

The back-end technology was implemented without MySQL. Therefore, the information processed in PHP files will not be stored in the database. PHP technology was used instead to mimic the missing MySQL functionalities as close as they can.

The following SQL schema was planned to be used in MySQL Database.

```
CREATE TABLE Users (  
    username VARCHAR(50),  
    password VARCHAR(100) NOT NULL,  
    email VARCHAR(50) NOT NULL,  
    image VARBINARY(4096) NOT NULL,  
    PRIMARY KEY(username)  
);
```

```
CREATE TABLE BannedUsers (  
    username VARCHAR(50),  
    email VARCHAR(50) NOT NULL,  
    bannedDate DATE,  
    PRIMARY KEY(username)  
);
```

```
CREATE TABLE Posts (  
    postID int,  
    title VARCHAR(255),  
    message VARCHAR(255),  
    postImage VARBINARY(4096),  
    username VARCHAR(50) NOT NULL,  
    PRIMARY KEY(postID)  
);
```

```
CREATE TABLE Comments (  
    commentID int,  
    username VARCHAR(50) NOT NULL,  
    message VARCHAR(255),  
    PRIMARY KEY(commentID)  
);
```