

Creative Assignment 3 :: Micro Blog - Final Project

Everything from Part A and Part B has now been fully implemented. The only limitation is the like button functionality as logged-in users may press as much as they desire and the like count will increment with each press.

The " AggieBlog " microblog is a UC Davis-themed website designed to connect the community, allowing users to stay aware of popular topics and sort the topics they want to see.

Two features were added: a comment section for each post and a trending bar called "What's Mooing," which enables users to use hashtags to filter posts and see the five most popular tags used in the community. Both features accurately reflected the original intent as described in the survey.

To implement the comments and hashtags, tables to store their data were created for each feature in 'populatedb.js'. For the successful implementation of comments, a new route was created to save the required data into the database using the helper function 'addComment'. The 'getPosts' function was then updated to handle the comments related to each post when requested.

For the successful implementation of tags, the 'addPost' function was updated to parse the content using the helper function 'extractHashtags', and the database was updated with the count of hashtag instances. To filter posts containing a specific hashtag, a new function, 'getPostsByTag', was created, which works similarly to sorting by likes and relevancy from Part B. However, there is a limitation: a user cannot use nested sort options together, meaning a tag filter cannot be used in conjunction with a sorting filter from Part B.

Appendix:

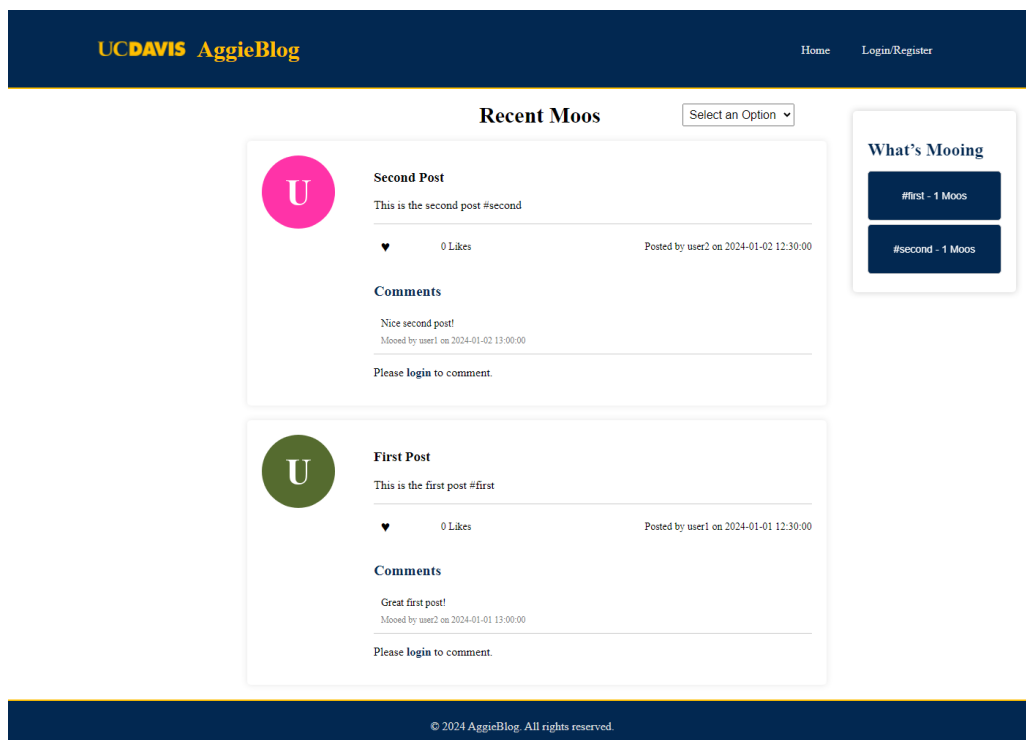


Figure 1: Default Home Page

UCDAVIS AggieBlog

HomeProfileLogout etran426E

Create a New Moo

Enter title...

Enter content...

Post

What's Mooing

#first - 1 Moos

#second - 1 Moos

Recent Moos

Select an Option

U

Second Post

This is the second post #second

0 Likes

Posted by user2 on 2024-01-02 12:30:00

Comments

Nice second post!

Mooed by user1 on 2024-01-02 13:00:00

Moo back here...

Add Comment

U

First Post

This is the first post #first

Figure 2: User Home Page

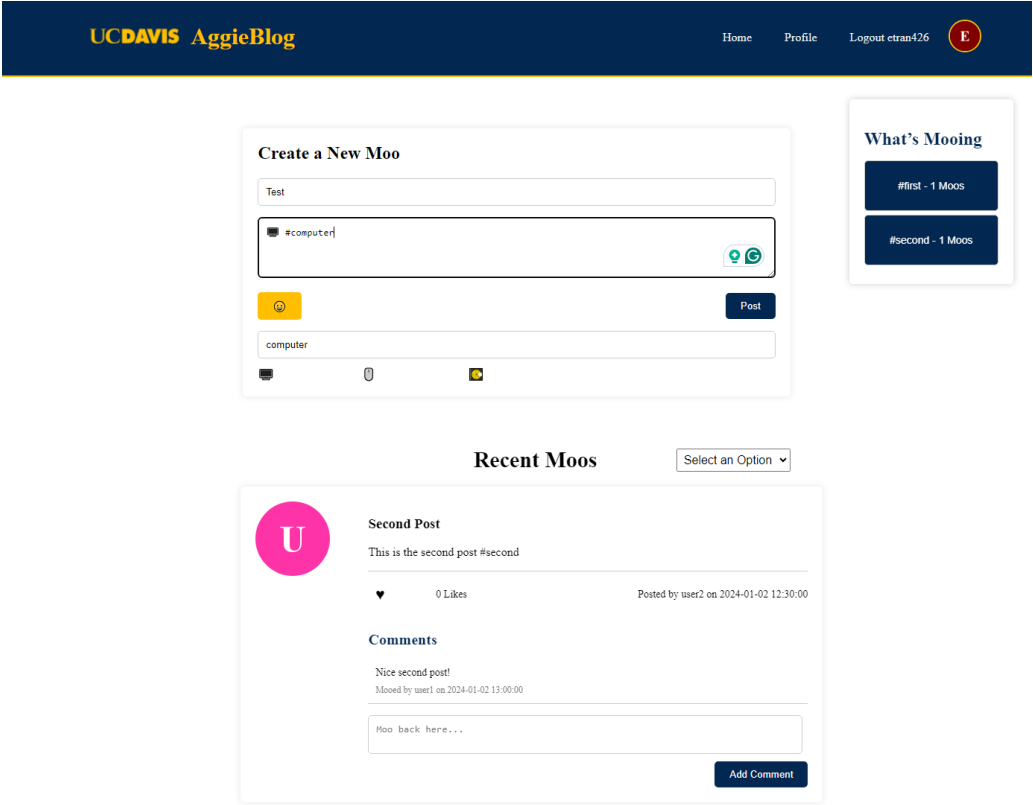


Figure 3: Post Creation Page

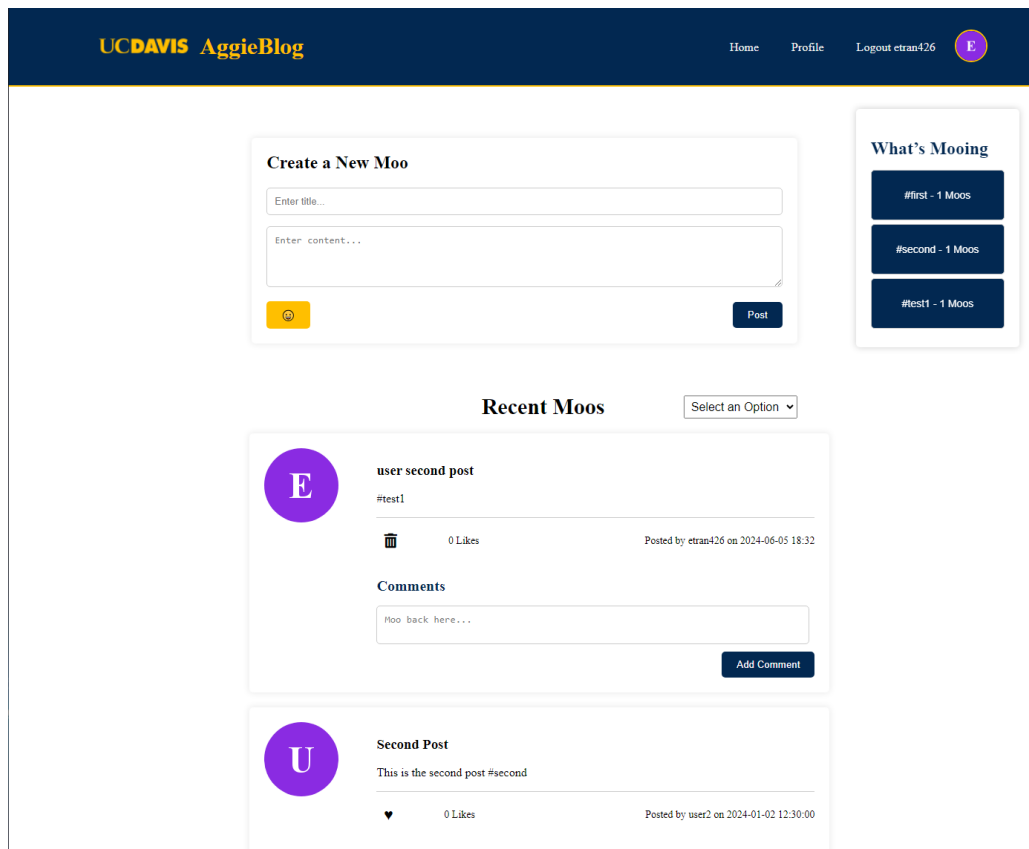


Figure 4: Delete First Post

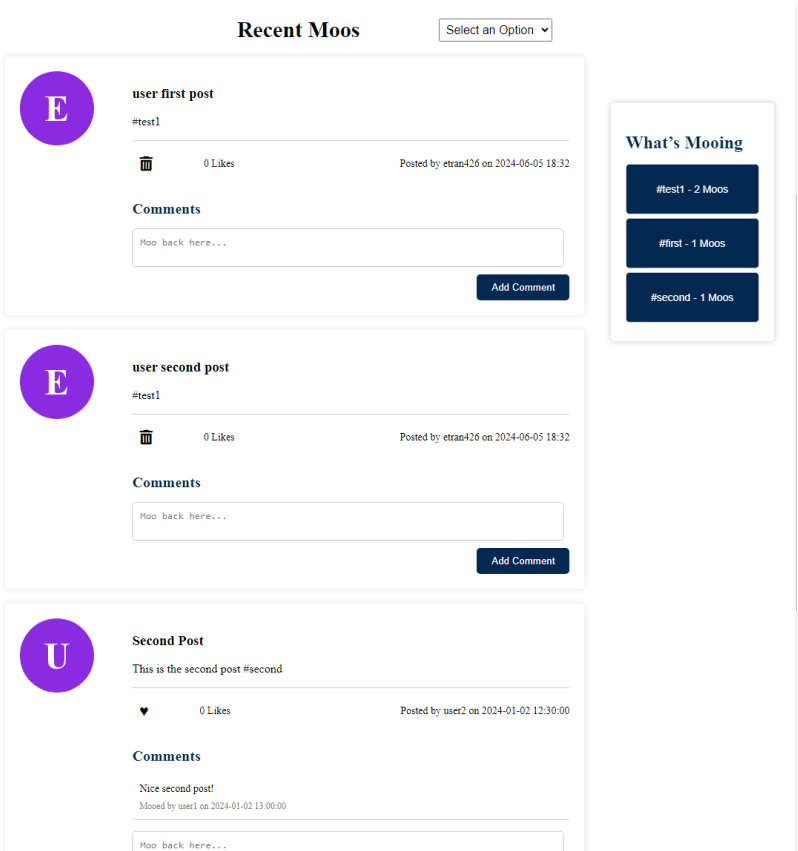


Figure 5: Trending Bar Using Hashtags

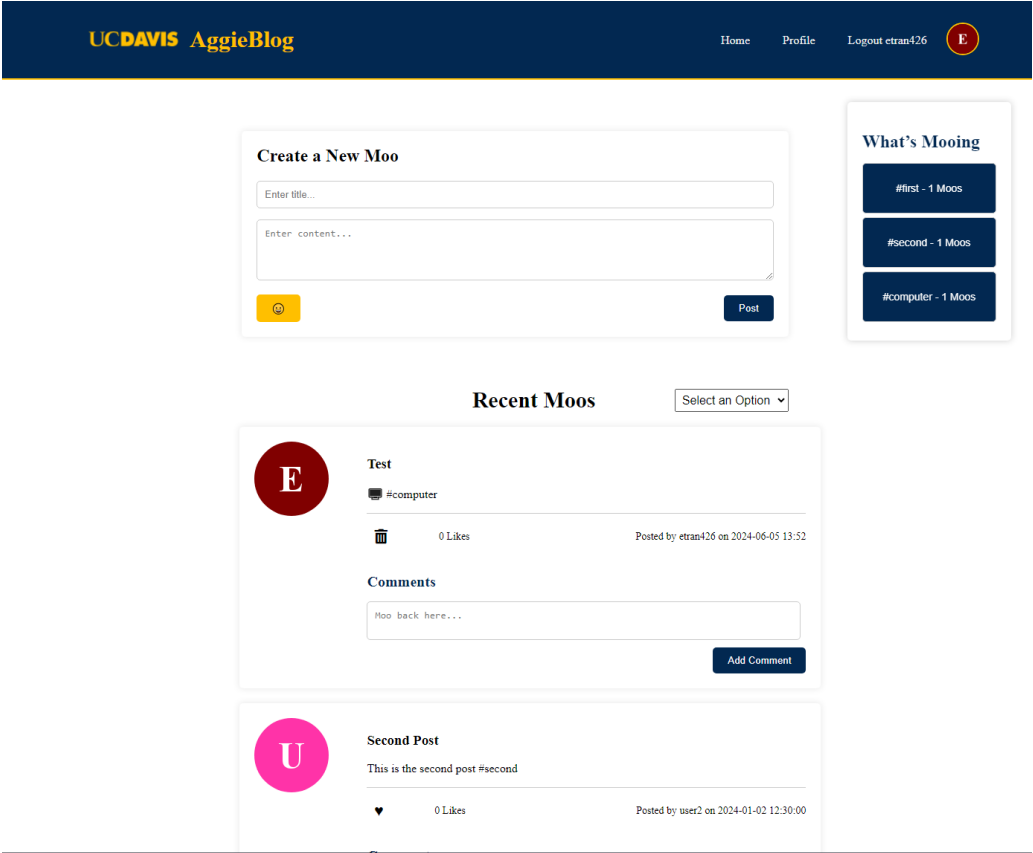


Figure 6: Hashtags in New Post Updating Trending Bar

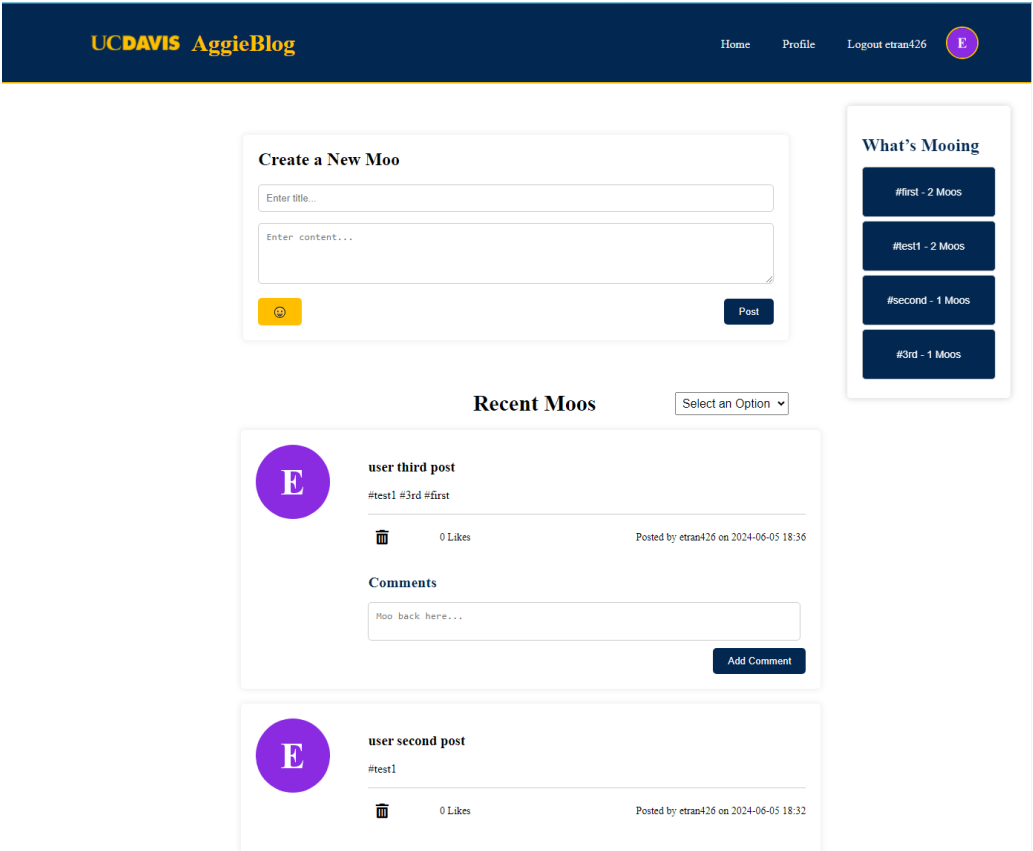


Figure 7: Multiple Hashtags Used

UC DAVIS AggieBlog

HomeProfileLogout etran426

Create a New Moo

Enter title...

Enter content...

Post

What's Mooing

#computer - 2 Moos

#first - 1 Moos

#second - 1 Moos

Recent Moos

Select an Option

E

Test

Never post #computer

0 Likes

Posted by etran426 on 2024-06-05 13:57

Comments

Hoo back here...

Add Comment

E

Test

#computer

0 Likes

Posted by etran426 on 2024-06-05 13:55

Figure 8: Using the Same Hashtag

UCDAVIS AggieBlog

HomeProfileLogout etran426E

Create a New Moo

Enter title...

Enter content...

😊

Post

What's Mooing

#first - 1 Moos

#second - 1 Moos

Recent Moos

Select an Option ▾

U

First Post

This is the first post #first

♥

1 Likes

Posted by user1 on 2024-01-01 12:30:00

Comments

Great first post!

Moved by user2 on 2024-01-01 13:00:00

Moo back here...

Add Comment

U

Second Post

This is the second post #second

Figure 9: Sorting by Likes

UCDAVIS AggieBlog

HomeProfileLogout etran426

Create a New Moo

Enter title...

Enter content...

Post

What's Mooing

#first - 1 Moos

#second - 1 Moos

Recent Moos

Select an Option

U

Second Post

This is the second post #second

0 Likes

Posted by user2 on 2024-01-02 12:30:00

Comments

Nice second post!

Mooed by user1 on 2024-01-02 13:00:00

Moo back here...

Add Comment

U

First Post

This is the first post #first

Figure 10: Sorting by Recent Posts

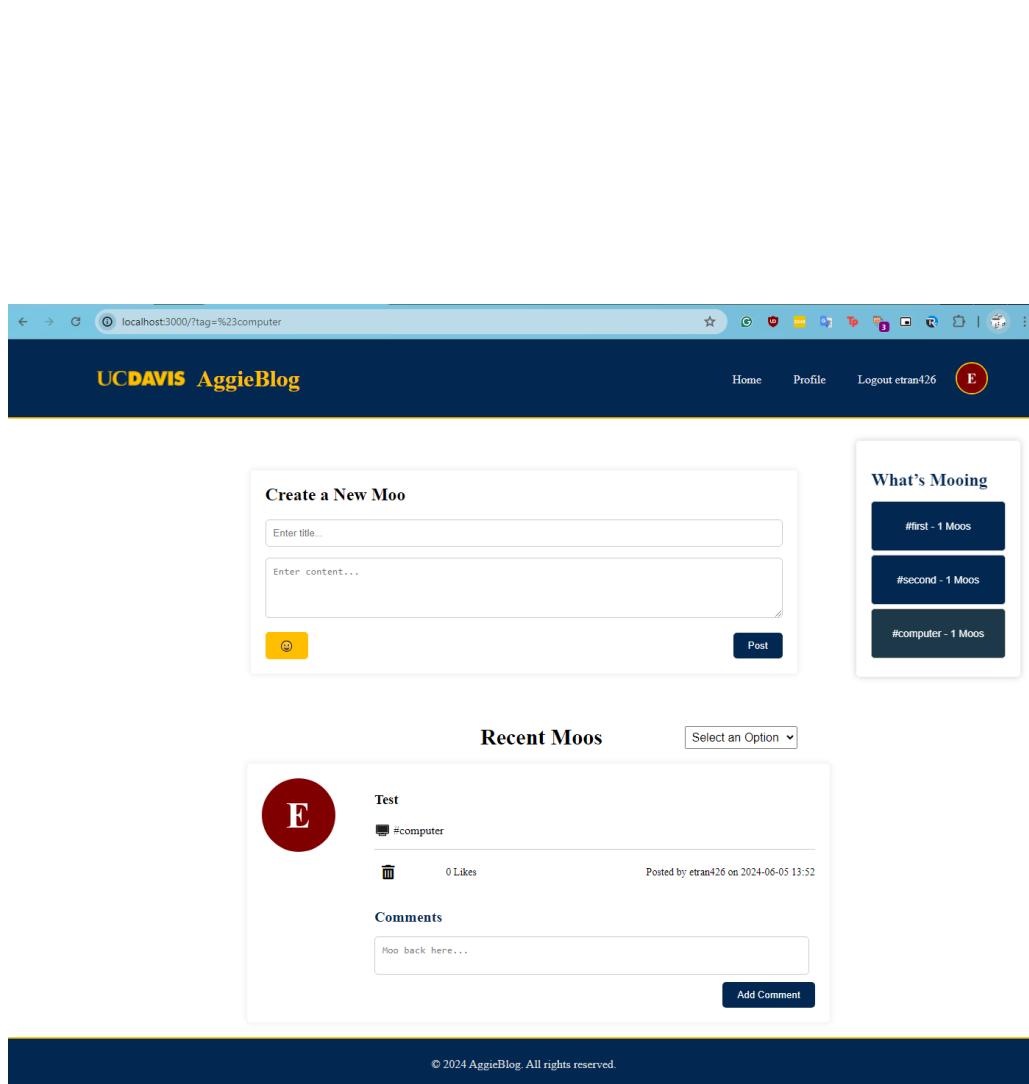


Figure 11: Sorting by Hashtags

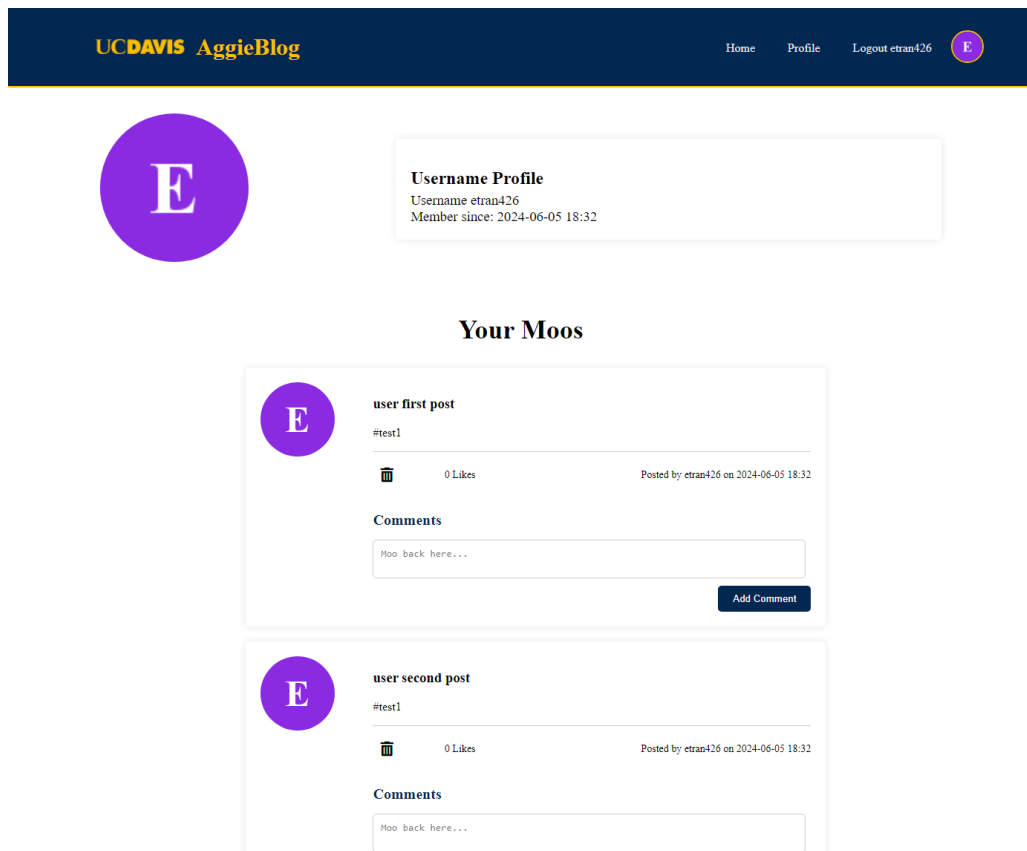


Figure 12: User Profile Page