Creative Assignment 3 :: Micro Blog - Part B

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Introduction

ShareStuff is an idea sharing website that allows users to share their thoughts with others. The website allows user authentication through Google and lets users create and read posts from others, comment on posts and delete their own post.

Data Persistence, Environment Variables and Authentication

I was able to implement all 3 of them. There are 4 tables in total: users, posts, comments and likes. The information is persistent and does not go away when the server shuts down. All sensitive items have been moved to the .env file to ensure safety. Google authentication allows a secure way to register and log in. The google ID is hashed and saved into the database.

1 Authentication

Authentication is fully functional. Log in, log out, and register all work as expected. Registering requires a unique case-sensitive username. After entering the username, the users are prompted by Google to login, once login is complete, the users can start posting!
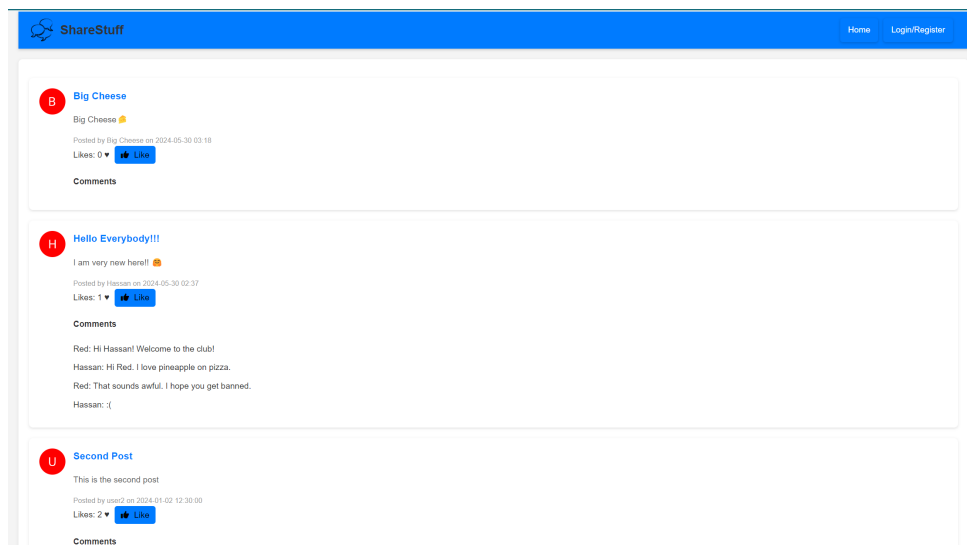
1.1 Screenshots

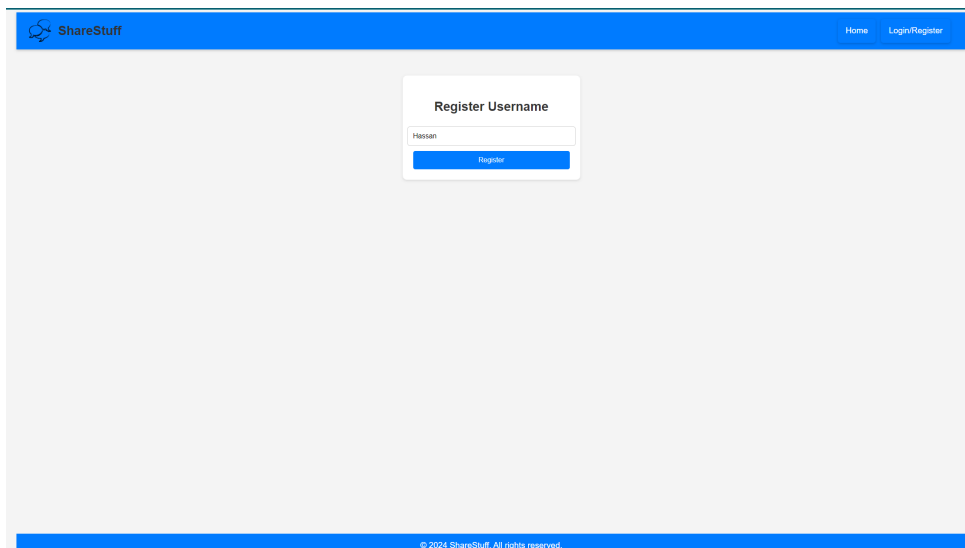Figure 1: Screenshot of logged out view

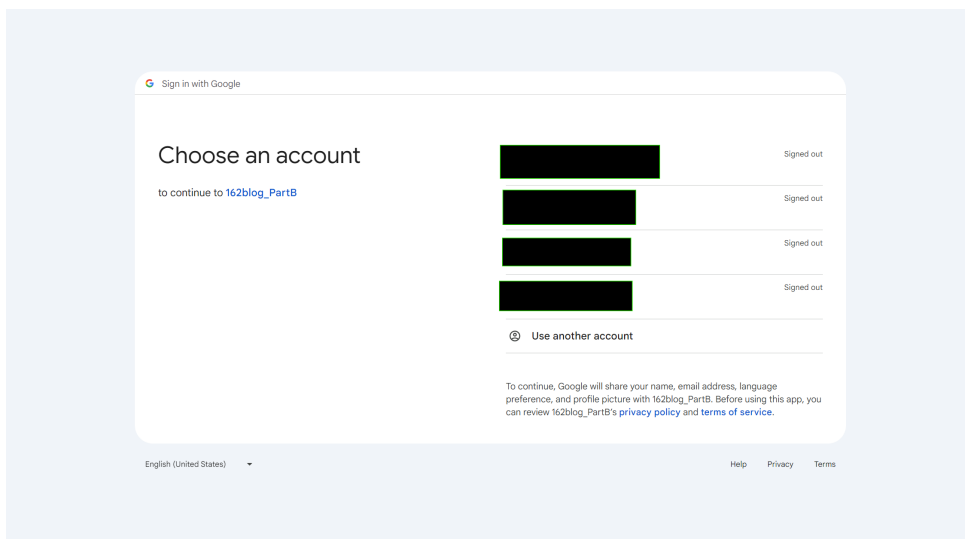Figure 2: Screenshot of registration/login view

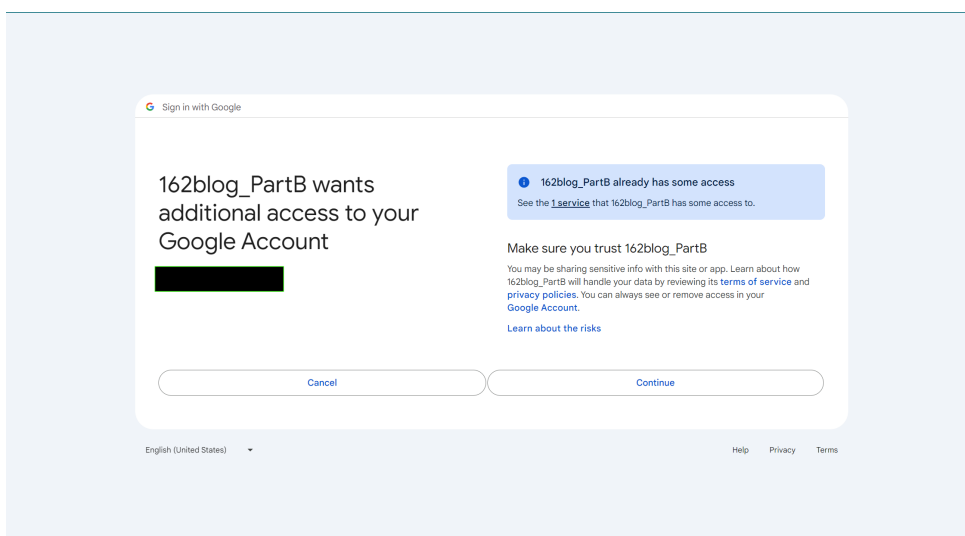Figure 3: Screenshot of after entering username

Figure 4: Screenshot of after entering password
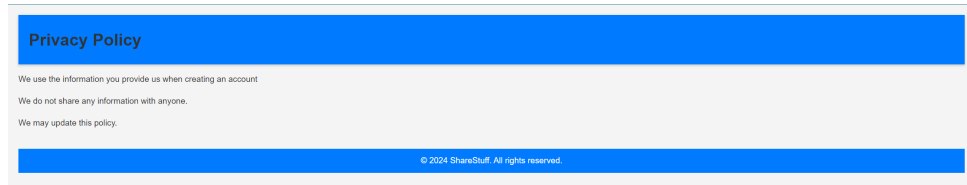
Figure 5: Screenshot of Terms and Conditions

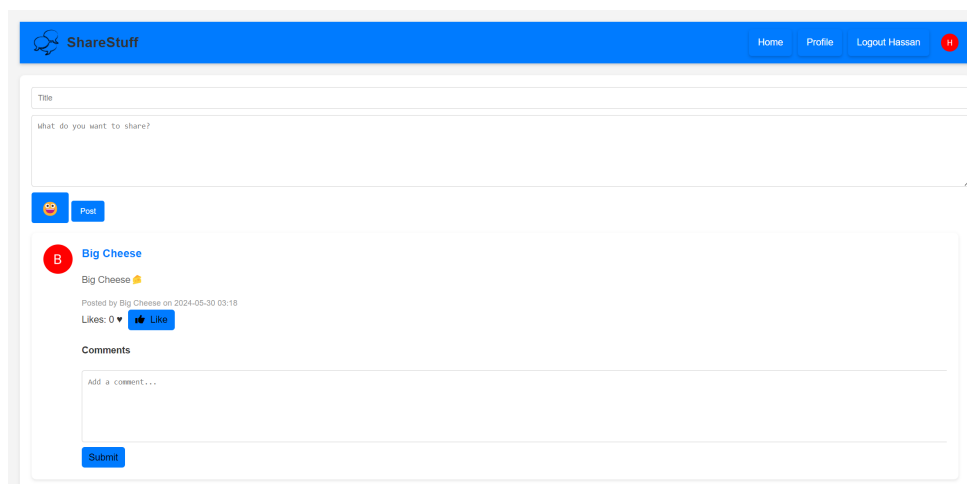Figure 6: Screenshot of Privacy Policy

Figure 7: Screenshot of logged in view

2 Post management

Post management is fully functional. All post management operations require the user to be logged in. Each post contains the poster name, posted date, and like info. Users will not see the comment box when they are not logged in. Users can create new posts, like other people's posts, delete their own posts, comment on posts, and view posts from other users. The like button remains red even after we change pages which is something I was unable to do in part A. Users are not allowed to like their own posts and are only allowed to like a post once, clicking like again will remove the like. I created another Table for likes and comments. The like table allows us to implement functionality such as liking a post only once and making sure users cannot like their own posts. The comment table is used to store comments.
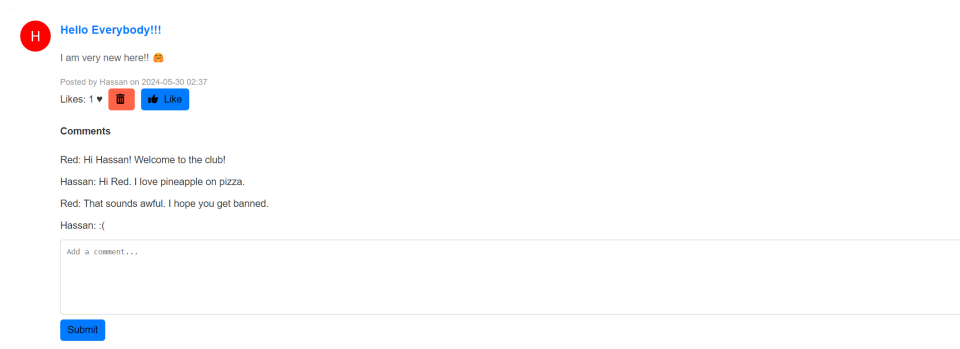
2.1 Screenshots

Figure 8: Screenshot of post from logged in perspective

2.2 Screenshots

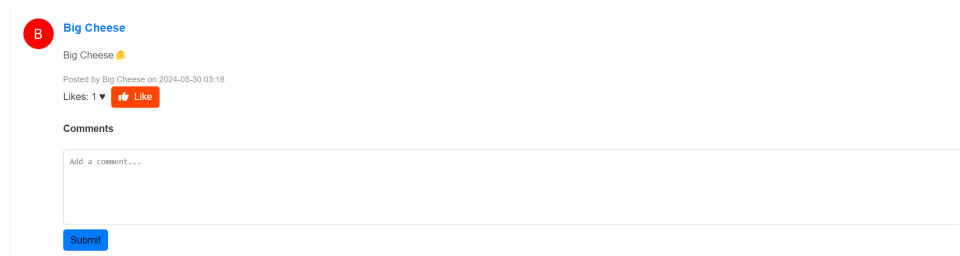Figure 9: Screenshot of same post from logged out perspective

Figure 10: Screenshot of liking a user's post

3 Profile viewing and Avatars

Profile viewing is fully functional. Users can view their own profile, and see information about their account, their avatar picture, and the posts that they have made. The avatar system is completely functional. The app is able to generate a unique avatar image for each user, save it to the public/images folder and display it to them.
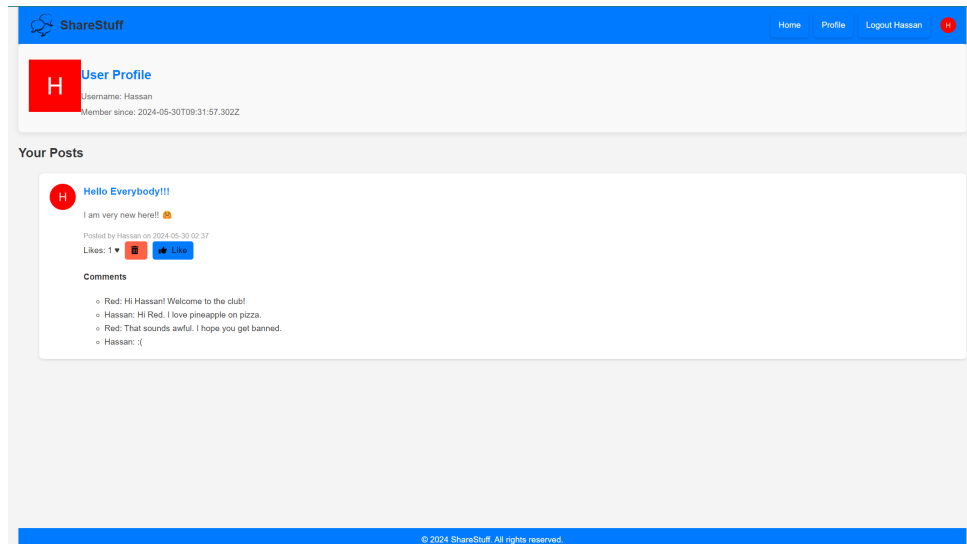
3.1 Screenshots

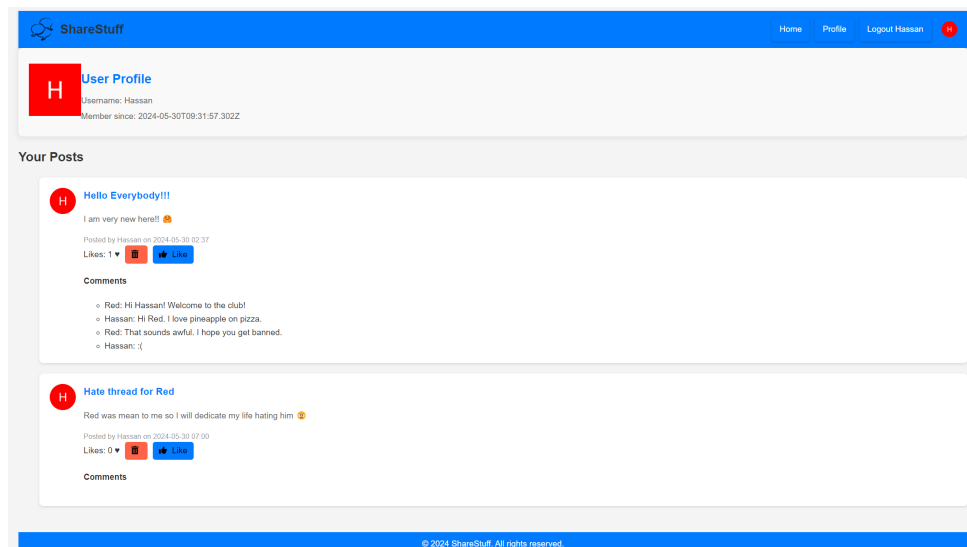
Figure 11: Screenshot of profile with one post

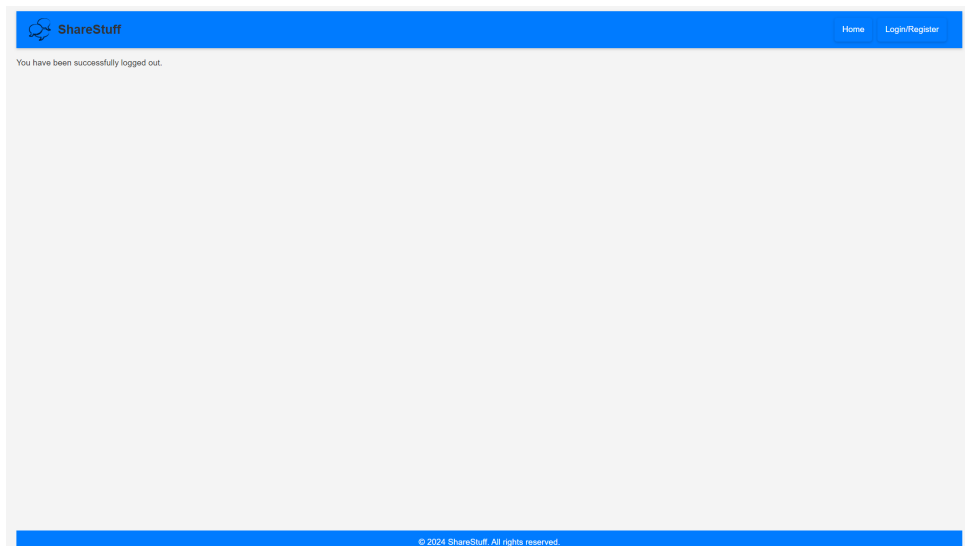Figure 12: Screenshot of profile with 2 posts

Figure 13: Screenshot of logged out

4 Conclusion

I was able to implement the main features of this project. There are still many features I can implement in the future such as viewing other user's profile, being able to personalize our profile, etc. However, for now I think I need to focus on understanding all the concepts more. I plan on recreating another app during summer using features from this project to understand more.