

Purdue University

CS 180 Project 5 Report

Buzz Board News Feed Application

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Link to GitHub Repo: <https://github.com/spamathur/SocialMedia>

Part One

Project Description and Functionality

For our team project in CS 180, we decided to develop a news-sharing social media platform that allows users to engage through a dedicated feed, merging the aspects of social media with news. This project offers a multitude of functionalities that enable a great experience for users. Upon registering on the platform, users can create personalized profiles. This includes the ability to upload a profile picture, adding a personal touch for the user. When logging in, the user must enter the correct username and password. This password protection enables better security for the user's private account. Once logged in, users gain access to a variety of functionalities. The project allows users to search for and view other profiles enabling having connections. Users can manage their connections through features that allow them to add friends, block individuals, and remove friends if needed. This flexibility allows for the user to have more choices over their online interactions. Users can post updates in both text and photo formats, which then appear in a news feed. This feed is the heart of the platform, where users see updates from friends and other connections. Posts can be interacted with through upvotes and downvotes, a feature that encourages participation and helps gauge the popularity and relevance of content. Users can also comment on posts, fostering discussions and deeper engagement with the content. Similar to the posts, the comments have upvotes and downvotes for the same reason as mentioned above. A vital feature that is incorporated in our project is that users can delete any comments on their posts and choose to hide posts from their feed, features that ensure a personal user experience as well as a respectful online environment. An important thing to note is that our program is thread-safe, which means that multiple users can log in at the same time and use the features together without the data being affected and any problems being faced on the client side

as well. As far as the data that is stored in our database is concerned, our program has text files in a very specific format (mentioned below) that store the list of users, the list of posts, and the list of comments. The data in the files is updated as users, posts, and comments are added. In conclusion, our project aims to create a valuable tool for digital communication and community engagement through a blend of social media functionalities and news sharing. By focusing on user personalization, user post control, and security measures, our project fulfills the requirements of our CS 180 project but also creates a functional program that effectively incorporates our knowledge of Java.

Justification Of Project Design and Structure

Why this particular GUI layout was picked. Why each of the classes was created in particular?

Layout of the Server, Client, and ClientHandler why we created each of those. Format for comments, posts, and users being stored in the database.

Give email to share google doc, ask if thread safe, ask about upvote downvote, ask about GUI name, format for comments, posts, and users being stored in the database, did you check if the data is properly added when new posts are added.