

Project Name: "Knock off Twitter"

Team Members:

Kaden Johnson - Project Manager

Trace Wynecoop - Front-end Lead

Anna Mikhailenko - Design Lead

Cameron Phillips - Back-end Lead

Cameron Zamora - Back-end Developer

Executive Summary:

[Provide a brief summary of the project, including the problem statement, solution, and key outcomes]

Our objective was to create a forum website that is a mimic of twitter. We were to make several pages, including the login page, main page, and view page for our congregation of posts. In addition to this, we were to create a database and connect the website to this database, a style sheet for each page, as well as a few other objectives. The key outcomes from this project are to make a forum website with a single congregation of many posts, with some basic profile and accessibility features.

Introduction:

[Provide an overview of the project and its objectives]

Our website is a forum. It is supposed to have one collection of related posts, referred to as a congregation, as well as features to view individual posts and add new posts to the congregation. Our ultimate goal was to have multiple congregations to help organize the posts, and to have users be able to add to and interact with the posts inside of these congregations.

## Project Objectives:

[Provide a list of project objectives that the team aimed to achieve]

Our goals for this project were to implement a user profile system, a post management system, and website pages with accessibility guidelines. Additionally, we aimed to create a database to store all of the information of users and posts, as well as a connection from the database to the site.

## Project Timeline:

[Provide a timeline of the project, including milestones and deliverables]

Development on the project effectively started on January 30th, with our first contributions being the base files needed to start the website. The following two weeks were spent configuring the IDE's for the CSS and JS development, as well as creation of the JS queries needed for the functionalities of the site. We then added various skeleton pages and wrapped up the queries for the site. It was at this point we had figured out our specifications for the site. Following this, we have begun rapid development using React and began shifting all of the back-end related content to Springboot for better integration. Up until this point, we did not have a clear idea of what we were developing. During this time we had implemented some smaller features from the front-end. We have a functional frontend and backend, complete with account creation, sign-in, and posting. At the time of this writing, the connection between the back-end and the front-end is still in progress and will likely be our last addition before the project deadline.

## Project Deliverables:

[Provide a list of project deliverables, including a brief description of each]

Our website promised to allow users to create a profile for new users, add new posts for existing users, view posts on the Congregation, and react to those posts in various ways such as commenting and liking/disliking.

## Project Results:

[Provide an overview of the project results, including the project's impact and key outcomes]

The backend was complete, alongside a database. The frontend has been finished and stylized. The website includes posting, liking, account creation, and user sign in.

## Lessons Learned:

[Provide a summary of the lessons learned during the project, including what went well and what could be improved]

The lessons we learned were time management, the importance of communication, and teamwork. Time management was one of the lessons that was a bit difficult to learn. However, by the time the project was finished, we learned its importance. It's definitely something that could be improved by starting the project earlier instead of later. Another lesson we learned was the importance of communication. Early on in the quarter we understood the importance of communication, since a team cannot function without it and group members will not know what needs to be done. An additional lesson we learned is the importance of teamwork and that it is impossible to create a large scale project with only one person. We learned that working as a team is not only better but also more enjoyable.

## Challenges and Obstacles:

[Provide an overview of the challenges and obstacles faced during the project and how they were overcome]

Compared to other projects, ours was much more technically challenging when it came to implementing all of the features listed above. Building a forum website is very difficult, we were able to understand why companies like Twitter need thousands of developers. Another huge issue with our project was the lack of time we had to work on anything. This was due to us starting the project later than normal. Had we known our guidelines ahead of time, we could have started much sooner and had a much better end result. This is of course ignoring other factors that had an impact on our timeline such as other class work and extracurricular activities. Another challenge with the project was the technical involvement of incorporating the database with the structure of the Congregation.

## Conclusion:

[Summarize the project and its outcomes, and reiterate the key lessons learned and how they can be applied in future projects]

Our project is a forum website that is based on twitter where people can sign in and publish posts. There is a sign in page, a create new user page, and a home/congregation page.

The lessons we learned were time management, the importance of communication, and teamwork. These lessons can be applied in future projects. Time management can be applied by planning beforehand what could and should be finished before a certain date and by starting on the final project as soon as possible instead of procrastinating. Communication and teamwork is essential in any group and can be used to effectively collaborate on any project.

All in all, we did not obtain our end goal exactly as intended. We were still able to create a functional forum site while still meeting all of the requirements for the project.

Appendices:

Site wireframe doc:

[https://drive.google.com/file/d/1BzVOt2\\_gdluHH5vRJBKvH-2Z0NRkMbRq/view?usp=sharing](https://drive.google.com/file/d/1BzVOt2_gdluHH5vRJBKvH-2Z0NRkMbRq/view?usp=sharing)

Project pitch presentation:

[https://docs.google.com/presentation/d/1wMo0U-15tgDp6WRJNKA1i1LRgk9\\_Uv81BxFauYzxo1o/edit?usp=sharing](https://docs.google.com/presentation/d/1wMo0U-15tgDp6WRJNKA1i1LRgk9_Uv81BxFauYzxo1o/edit?usp=sharing)

WCAG presentation:

[https://docs.google.com/presentation/d/1osCzy4bs9F6exGR-VIz1JQvs\\_XkWBwKLnxPEy3NaX88/edit?usp=sharing](https://docs.google.com/presentation/d/1osCzy4bs9F6exGR-VIz1JQvs_XkWBwKLnxPEy3NaX88/edit?usp=sharing)

Site research doc:

<https://docs.google.com/document/d/1NPWpYAwBD5oAPUVvpAJWj2N7IKmisHru3RZEa26Zu4k/edit?usp=sharing>

Acknowledgments:

I, the project manager, would like to take the time to thank the team for all of their hard work on this project. They have all gone above and beyond what was expected of them to get where we are now. Despite the poor circumstances, they proceeded with the utmost professionalism and determination. My only complaint is that I wish I could have done more for them. I thank them all sincerely, from the bottom of my heart.

As a team we would also like to thank our instructor for being patient with us, answering all of our questions, and explaining key concepts that we did not understand.

References: none