

Progress Report

- Increment 3 -

Group #3

1) Team Members

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2) Project Title and Description

DataTweet, a web app for sharing visualized data similar to Twitter where users can post any data they may want to share like research results with visualization options. It is using React for the front end, Django for the backend, and sqlite for our database.

3) Accomplishments and overall project status during this increment

We were able to finish the whole idea of the project by this increment. Meaning, there is a login/registration system, users can post their graphs and the graphs are being displayed correctly with its description and information of who posted which graph, as well as social media links to share. The idea of the project was to have a twitter but instead of a social media, make it more useful where users can share data. We were able to accomplish all of this by this last increment. Search is now able to pull links to webpages instead of links to nowhere and actually show graphs. Like and dislike buttons now display their values from the sqlite database. Users can now go through their posts and delete them. Additionally, they can also delete their account which will delete all of their posts from the site as well.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

Getting the data from the backend and getting that data in the frontend was challenging mostly because we had to convert the data to a JSON object then to a JSON string and back and forth was confusing. So, it was mostly formatting of the data that was challenging for getting the data in the graphs.

The encryption implementation never happened due to it continuously causing errors with retrieving and accessing the database. When the website would run profiles it wouldn't load as well as post. Due to time constraints it was too large of an issue to fix before the deadline.

Search tab was not able to be fully connected with the database. While it is functional by pulling online examples and showcasing how we were hoping it would work, it does not pull from our database and we ran out of time to make it work.

Complications arose due to the sqlite data transfer methods from the front end to the back end when trying to implement the like/dislike button so they could not be completely finished due to time constraints, but the buttons display the information the database currently holds.

Another complication was following the code and logic that everybody else used. For example, some APIs were managed in different ways than what others used. This doesn't mean one way or the other way bad, just that we had to come together to figure out how to have cohesion in our code.

5) Team Member Contribution for this increment

- Tommy Chong:

- A. Added to part 3 about the accomplishments done for this increment. Added to part 4 about my challenges in this increment with graphs.
- B. No changes made.
- C. No changes made.
- D. Implemented a new field in the posts table in the database to store the x and y values for graph displaying. Communicated the frontend with the backend to get the x and y data values for graph displaying. Displayed a dynamic graph for each post in the feed and added a download button so that users can download the dataset if they like.
- E. Added to the demo the graph visualization in each post and the downloading of the dataset.

- Dylan Gire:

- A. Added to part 3 and 4 about the search tab and its current state. Talked about the challenges that I faced trying to implement it and where it ultimately ended up.
- B. No Changes
- C. No Changes
- D. Implemented search pulling webpages for the search instead of links to nowhere so it is completely functional but not for our database. I was not able to get it to completely connect with our database, but instead showcase what I was envisioning it would do with online examples.
- E. Video handled by Abraham

- Victor Marques:

- A. Added to 3 on the social media links sharing added, added to 4 about the encryption challenges.
- B. Added to part 7 on the needed file for running the site.
- C. None
- D. Added and finalized the social media sharing on the posts, now links share the github homepage for the group. Removed unnecessary files.
- E. Sent the template of prior videos to Abraham Beltran

- Abraham Beltran:

- A. Added to 3 and to 4 about complications with finishing certain aspects of the project.
- B. None
- C. None
- D. Finished the like/dislike buttons, fixed some graphical bugs, implemented a new authentication parameter to notify users to login.
- E. Made the video

- David Markel

- A. added to part 3 of this document for current increment
- B. added to part 4 on complications of this increment
- C. cleaned up some ui and buttons
- D. created api for deleting account
- E. created api for deleting posts

6) Plans for the next increment

- Tommy:
- Dylan Gire: N/A
- Abraham Beltran: None
- Victor Marques:
- David Markel:

7) Link to video

<https://youtu.be/ZOSNWj3f3o8>