FootHook

Purpose:
FootHook is a social media website, and is meant to be used for communication and entertainment.

Target Audience:
EAC Highschool Students. It gives students whose parents may not allow social media a way to contact other students in a space that is exclusive to their peers. To make an account, you need an EAC email.

Databases:

Accounts:

ID	User	Pass	Email	PFP	First	Last	DOB	DOC	DM
1	TEST	(hashed pass)	test@test.com	<...>.jpg	Joe	Bloggs	01-01-2001	11-7-2019	0

ID = The unique ID of the account. Is auto-incrementing.
USER = Username of the account
PASS = The hashed password for the account
EMAIL = Email address linked to the account
PFP = Profile picture
FIRST = First name
LAST = Last name
DOB = Date of birth
DOC = Date of account creation
DM = (BOOLEAN) If the user has enabled dark-mode or not.

Comments:

ID	post_id	acc_id	com_content	com_score	com_time
1	1	1	TEST	1	11-7-2019 08:47:17

ID = The unique ID of the comment. Is auto-incrementing.
POST_ID = The post that the comment is linked to.
ACC_ID = The ID of the account that posted the comment.
COM_CONTENT = The contents of the comment.
COM_SCORE = The score (number of points) a comment has.
COM_TIME = Date and timestamp of comment.

Posts:

ID	post_time	post_content	score	acc_id	num_of_com
1	11-7-2019 08:47:17	TEST	1	1	1

ID = The unique ID of the post. Is auto-incrementing.
POST_TIME = The date and timestamp of the post.
POST_CONTENT = The contents of the post.
SCORE = The score (points) a post has.
ACC_ID = The ID of the account that owns the post
NUM_OF_COM = How many comments the post has. If 0, the website will not display the comment modal.

Upvotes:

ID	acc_id	post_id
1	1	1

ID = The unique ID of the upvote. Is auto-incrementing.
ACC_ID = Which account upvoted something.
POST_ID = What post was upvoted.

Downvotes:

ID	acc_id	post_id
1	1	1

ID = The unique ID of the downvote. Is auto-incrementing.
ACC_ID = Which account downvoted something.
POST_ID = What post was downvoted.

Trending (DEPRECATED):

ID	post_id
1	1

ID = The unique ID of the trending post. Is auto-incrementing.
POST_ID: The ID of the post that is trending

Purpose of these tables:

Accounts:

The purpose of this table is to store the account details of each account. This is one of the two main tables, and every (active) table refers to it by it's ID.

Comments:

This stores all comments made by users on posts. It links to the posts table and the accounts table.

Posts:

This table is responsible for storing all posts. It is one of the two main tables, and most other tables will link to this table.

Upvotes + Downvotes:

These two tables are responsible for tracking every upvote/downvote made by any account. They simply link to the account and the post. This allows for the server to display posts as liked when a user logs in.

Trending (DEPRECIATED):

I originally planned to have a trending tab, which would display posts that garnered a high enough score over a certain period of time. I later dropped this idea, yet kept the table in the database should I ever decide to come back to it.

The Plan:
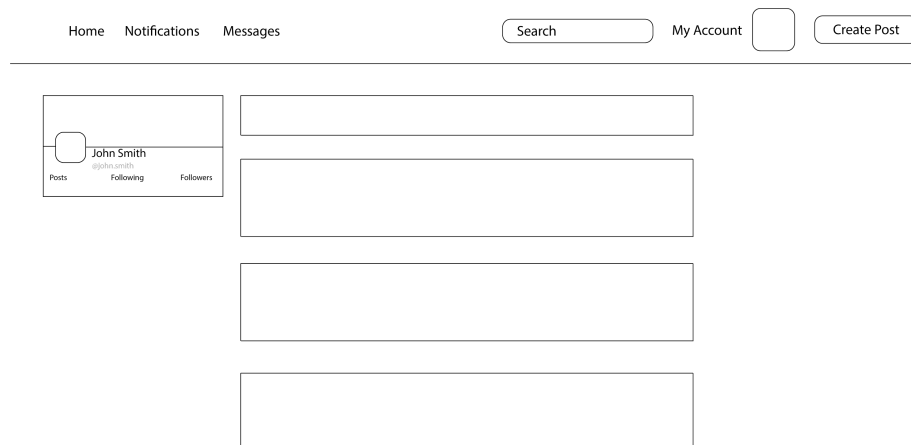
Very early on in the project, I drew this. It is essentially just a copy of twitters layout, as that was the general look that I was going for. I have dropped some aspects from this, however.

This is a screen-grab from the current version of the website:
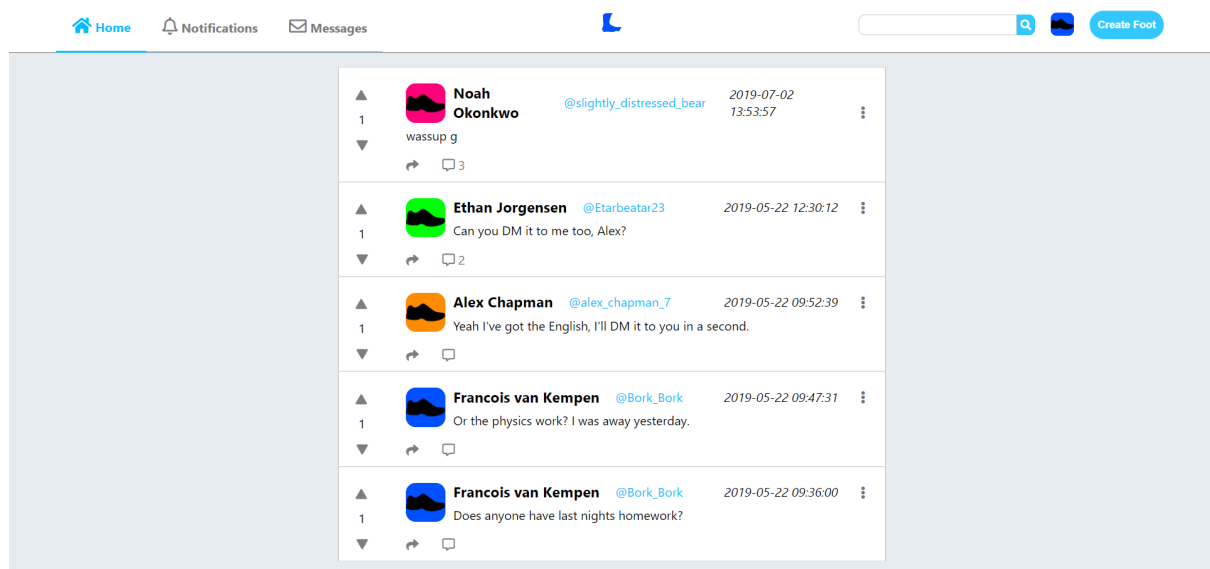
As you can see, structurally the two images are very similar. It has panned out following the basic plan I set out, and has gone very well.

This is a screengrab of my first proto-type of the post structure at the very beginning:

It's come quite a long way. (May have forgotten how to use CSS properly in between starting this website and finishing the website last year.)

User Evaluation:

Over the past month, as I moved from the massive programming to fine-tuning, I would ask friends to make an account on the site and play around with it. I got a lot of wonderful feedback from them.

I have had the following people test my website:

Noah (IST student) -- Positive feedback. He said he loved it as is.
Paige (Not-IST) -- VERY positive feedback. Suggested that I should make it public.
Scarlett (IST) -- Positive feedback, did comment that the account sign-up form was massive.
Khianna Hamilton (IST) -- Positive feedback, said the same thing as Scarlett.
Alex (Not-IST) -- Positive feedback. He did mention that the animation of the modals opening and closing could get annoying. I shortened the animations to account for this.

Overall, I received quite positive and constructive feedback.

Personal Evaluation:

Overall, I'd rate this website a solid 3 out of 5. While I am happy with what I have accomplished, I could have done so much more. I was ready to start work on an instant messaging feature and being able to 'follow' certain account, so as to give people a more personal feed. I plan on continuing work on this project, as there is so much more I want to do with it.

Conclusion:

Overall, the development time from start to finish has been 3 months. In that time, it went very smoothly. While my plans did change as time progressed, and I gave more thought to certain ideas, the main aim stayed the same, and has been completed. It has been very enjoyable teaching myself PHP and creating this website. It may have been challenging at parts (Many hair-pulling moments were had), but it was always super exhilarating to overcome that challenge and complete that task.
I enjoyed this assessment thoroughly.