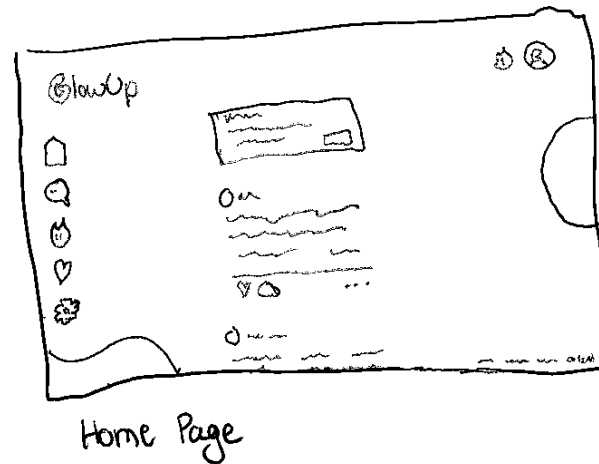
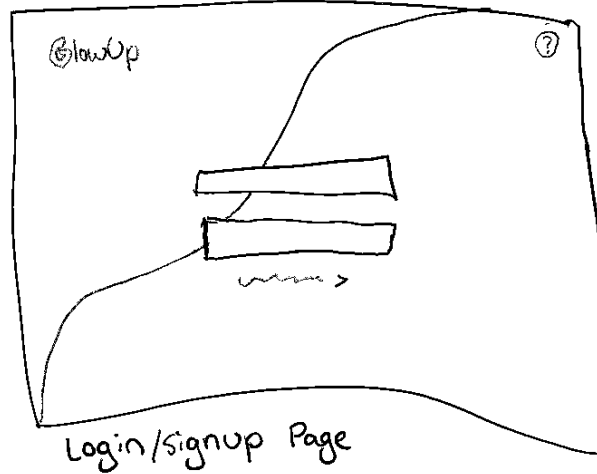


## Matej Groombridge // HSC SDD Logbook

Date	Work Completed	References / Links
28 Oct - 3 Nov	<ul style="list-style-type: none"><li>- Cloned into git repository on my laptop</li><li>- Created Django project</li><li>- Linked Django to Vercel</li><li>- Brainstormed user interface design</li></ul>	<a href="https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s">https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s</a>



- 
- Connected template files for the UI so I can build out the backend first
  - Will eventually delete and rebuilt UI from scratch

**Challenge:**

- Issue with telling Vercel exactly which packages are being used so that the site can be hosted properly

4 Nov - 10 Nov

**Achievement:**

- Created user profile model

<https://www.youtube.com/watch?v=xSUm6iMtREA&t=1387s>

	<ul style="list-style-type: none"> <li>- Includes profile data such as name, bio, profileImg etc.</li> </ul> <pre>class Profile(models.Model):     user = models.ForeignKey(User, on_delete=models.CASCADE)     id_user = models.IntegerField()     bio = models.TextField(blank=True)     profile_img = models.ImageField(upload_to="profile_images",                                    default="blank-profile-picture.png")     location = models.CharField(max_length=100, blank=True)      def __str__(self):         return self.user.username</pre> <ul style="list-style-type: none"> <li>-</li> <li>- Created sign up page             <ul style="list-style-type: none"> <li>- Basic HTML structure + backend</li> <li>- Requests user info</li> <li>- Displays error messages</li> <li>- TODO: styles</li> </ul> </li> <li>- Created sign in page             <ul style="list-style-type: none"> <li>- Ditto</li> </ul> </li> <li>- Created logout option - Nice and simple</li> </ul> <pre>def logout(request):     auth.logout(request)     return redirect("signin")</pre> <ul style="list-style-type: none"> <li>-</li> </ul>	
11 Nov - 8 Dec	N/A	
9 Dec - 15 Dec	<ul style="list-style-type: none"> <li>- Created Post model</li> </ul> <pre>class Post(models.Model):     id = models.UUIDField(primary_key=True, default=uuid.uuid4)     user = models.CharField(max_length=100)     image = models.ImageField(upload_to="post_images")     caption = models.TextField()     created_at = models.DateTimeField(default=datetime.now)     no_of_likes = models.IntegerField(default=0)      def __str__(self):         return self.user</pre> <ul style="list-style-type: none"> <li>-</li> </ul>	<a href="https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s">https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s</a>

	<ul style="list-style-type: none"> <li>- Includes fields for username, ID, bio, profile image and location</li> <li>- May change later</li> <li>- Migrated database <ul style="list-style-type: none"> <li>- <code>python3 manage.py makemigrations</code></li> </ul> </li> </ul>	
16 Dec - 22 Dec	<ul style="list-style-type: none"> <li>- Created user post submission <ul style="list-style-type: none"> <li>- Displays posts in feed by most recent</li> </ul> </li> <li>- Minor UI changes <ul style="list-style-type: none"> <li>- Cleaned up home screen UI</li> <li>- Deleted bloat from template</li> <li>- Added user profile image to home screen</li> </ul> </li> <li>- Started removing template and only keeping html fields needed <ul style="list-style-type: none"> <li>- Preparing to write my site's css</li> </ul> </li> </ul> <p><b>Achievement:</b></p> <ul style="list-style-type: none"> <li>- Functionality to like posts <ul style="list-style-type: none"> <li>- Created Like Post model</li> </ul> </li> </ul> <pre>class LikePost(models.Model):     post_id = models.CharField(max_length=500)     username = models.CharField(max_length=100)      def __str__(self):         return self.username</pre> <ul style="list-style-type: none"> <li>- Migrated it to database</li> <li>- Added it to post UI</li> <li>- Created template system → all files extend base.html which embeds the navbar and footer</li> <li>- Created user profile page <ul style="list-style-type: none"> <li>- Contains key details such as handle, profile image, bio</li> <li>- Displays all of the users posts</li> </ul> </li> </ul> <p><b>Challenge:</b></p> <ul style="list-style-type: none"> <li>- Extending stylesheets across all pages whilst using a template system</li> </ul>	<a href="https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s">https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s</a>  <a href="https://docs.djangoproject.com/en/5.0/topics/templates/">https://docs.djangoproject.com/en/5.0/topics/templates/</a>
23 Dec - 5 Jan	N/A	

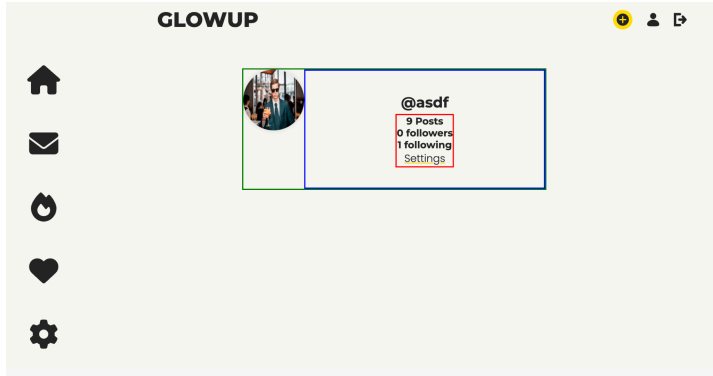
6 Jan - 12 Jan	<ul style="list-style-type: none"><li>- Deleted template HTML for the signin and signup pages</li></ul> <p><b>Achievement:</b></p> <ul style="list-style-type: none"><li>- Created HTML for new signin and signup pages<ul style="list-style-type: none"><li>- Looking gooooooood</li></ul></li></ul>	
13 Jan - 19 Jan	<ul style="list-style-type: none"><li>- Removed template CSS files</li><li>- Created new SCSS files → using SCSS since it doesn't the same things as CSS but better (eg. nesting styles, mixins and variables)<ul style="list-style-type: none"><li>- app.scss for general styles, _variables.scss for storing colours etc. and _custom.scss to make adding on new styles easier</li></ul></li></ul> <p><b>Achievement:</b></p> <ul style="list-style-type: none"><li>- Wrote the basic styles for the majority of my website<ul style="list-style-type: none"><li>- Borrowed some boilerplate CSS I'd already written for matejgroombridge.com</li><li>- Wrote the styles for the structure and look/feel</li></ul></li><li>- Finalised current design of the signin and signup pages<ul style="list-style-type: none"><li>- Used previous mockups I'd drawn (see above)</li><li>- Taking design inspiration from the UNSW website as well as matejgroombridge.com</li></ul></li></ul> <div><div><h3>Sign In</h3><div><input type="text" value="Username"/></div><div><input type="password" value="Password"/></div><div>Submit</div><p>Not registered? <a href="#">Create an account.</a></p></div><div><h3>Sign Up</h3><div><input type="text" value="Username"/></div><div><input type="text" value="Email"/></div><div><input type="password" value="Password"/></div><div><input type="password" value="Confirm Password"/></div><div>Submit</div><p>Already have an account? <a href="#">Login.</a></p></div></div>	<p><a href="https://www.unsw.edu.au/">https://www.unsw.edu.au/</a></p> <p><a href="https://www.matejgroombridge.com/">https://www.matejgroombridge.com/</a></p> <p><a href="https://stackoverflow.com/questions/77381283/static-files-not-loaded-when-deploy-a-django-web-page-in-vercel-with-whitenoise">https://stackoverflow.com/questions/77381283/static-files-not-loaded-when-deploy-a-django-web-page-in-vercel-with-whitenoise</a></p> <p><a href="https://stackoverflow.com/questions/7225900/how-can-i-install-packages-using-pip-according-to-the-requirements-txt-file-from">https://stackoverflow.com/questions/7225900/how-can-i-install-packages-using-pip-according-to-the-requirements-txt-file-from</a></p> <p><a href="https://stackoverflow.com/questions/70548240/error-modulenotfounderror-no-module-named-psycpg2-when-deploying-django-ap">https://stackoverflow.com/questions/70548240/error-modulenotfounderror-no-module-named-psycpg2-when-deploying-django-ap</a></p> <p><a href="https://blog.hubspot.com/website/center-div-css">https://blog.hubspot.com/website/center-div-css</a></p> <p><a href="https://fonts.google.com/?query=po">https://fonts.google.com/?query=po</a></p>

	<b>Challenge:</b> <ul style="list-style-type: none"> <li>- Deploy errors when pushing to Vercel <ul style="list-style-type: none"> <li>- Files exceeding 250mb</li> </ul> </li> <li>- Centering menus <ul style="list-style-type: none"> <li>- For some reason the input fields were also way too long</li> </ul> </li> </ul>	
20 Jan - 27 Jan	<b>Achievement:</b> <ul style="list-style-type: none"> <li>- Set up virtual environment with venv</li> </ul> <b>Challenge:</b> <ul style="list-style-type: none"> <li>- Working with static files</li> <li>- Vercel issues <ul style="list-style-type: none"> <li>- Project cannot exceed 250mb</li> <li>- Added venv to gitignore which fixed it.</li> </ul> </li> </ul>	<a href="https://www.youtube.com/watch?v=w5DRzbQ0Suo">https://www.youtube.com/watch?v=w5DRzbQ0Suo</a>  <a href="https://vercel.com/docs/projects/project-configuration#functions">https://vercel.com/docs/projects/project-configuration#functions</a>  <a href="https://medium.com/@EnterGodMode/running-django-project-with-bash-script-8563a1c7bcc0">https://medium.com/@EnterGodMode/running-django-project-with-bash-script-8563a1c7bcc0</a>  <a href="https://www.youtube.com/watch?v=I5x8lAVQ8QQ">https://www.youtube.com/watch?v=I5x8lAVQ8QQ</a>  <a href="https://docs.djangoproject.com/en/4.2/howto/static-files/">https://docs.djangoproject.com/en/4.2/howto/static-files/</a>  <a href="https://www.youtube.com/watch?v=xtnUwvjOThg">https://www.youtube.com/watch?v=xtnUwvjOThg</a>  <a href="https://www.youtube.com/watch?v=aJRPajVnPk">https://www.youtube.com/watch?v=aJRPajVnPk</a>
27 Jan - 2 Feb	N/A	
3 Feb - 9 Feb	<ul style="list-style-type: none"> <li>- Removed Django's inbuilt database system</li> </ul> <b>Achievement:</b> <ul style="list-style-type: none"> <li>- Created a new database for my project <ul style="list-style-type: none"> <li>- Hosting it online through Railway.app</li> </ul> </li> </ul>	<a href="https://stackoverflow.com/questions/42306410/gitignore-syntax-how-to-exclude-virtualenv-sub-directories">https://stackoverflow.com/questions/42306410/gitignore-syntax-how-to-exclude-virtualenv-sub-directories</a>  <a href="https://stackoverflow.com/questions/22465332/setting-path-environment-v">https://stackoverflow.com/questions/22465332/setting-path-environment-v</a>

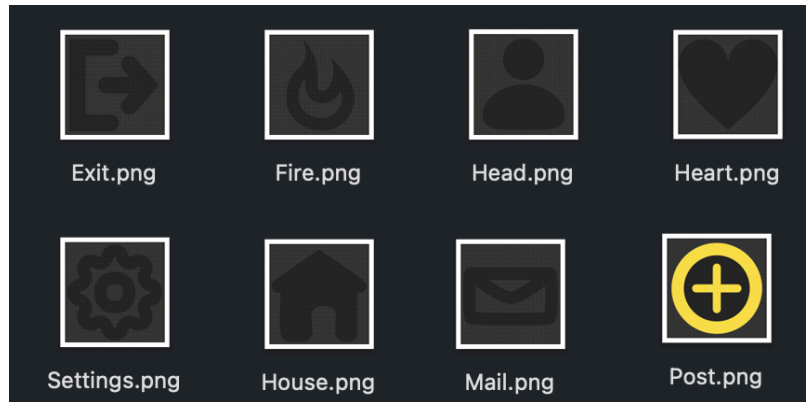
	<div data-bbox="533 92 1337 715" data-label="Image"> </div> <ul style="list-style-type: none"> <li>- </li> <li>- Now using PostgreSQL instead of the default SQLite</li> </ul> <p><b>Challenge:</b></p> <ul style="list-style-type: none"> <li>- Having lots of issues with connecting database to deployed project             <ul style="list-style-type: none"> <li>- Installing the wrong library (psycopg2, not psycopg2-binary)</li> </ul> </li> <li>- Database is not compatible with school wifi             <ul style="list-style-type: none"> <li>- I cannot run the development environment while at school</li> </ul> </li> <li>- Tried to add profanity filter with no success             <ul style="list-style-type: none"> <li>- Tried multiple packages but they all seem to be out of date or buggy</li> </ul> </li> </ul>	<p><a href="#">variable-in-osx-permanently</a></p> <p><a href="https://stackoverflow.com/questions/47124297/commanderror-you-appear-not-to-have-the-psql-program-installed-or-on-your-pat">https://stackoverflow.com/questions/47124297/commanderror-you-appear-not-to-have-the-psql-program-installed-or-on-your-pat</a></p> <p><a href="https://stackoverflow.com/questions/36577872/django-runserver-hangs-at-system-check-identified-no-issues-0-silenced">https://stackoverflow.com/questions/36577872/django-runserver-hangs-at-system-check-identified-no-issues-0-silenced</a></p> <p><a href="https://pypi.org/project/profanity-filter/">https://pypi.org/project/profanity-filter/</a></p> <p><a href="https://www.youtube.com/watch?v=xKPnDOVGb-A">https://www.youtube.com/watch?v=xKPnDOVGb-A</a></p> <p><a href="https://medium.com/@jtpaasch/the-right-way-to-use-virtual-environments-1bc255a0cba7">https://medium.com/@jtpaasch/the-right-way-to-use-virtual-environments-1bc255a0cba7</a></p> <p><a href="https://www.youtube.com/watch?v=jCOYDJuANFk">https://www.youtube.com/watch?v=jCOYDJuANFk</a></p> <p><a href="https://forum.djangoproject.com/t/python-manage-py-runserver-exits-with-performing-system-checks/20486">https://forum.djangoproject.com/t/python-manage-py-runserver-exits-with-performing-system-checks/20486</a></p>
<p>10 Feb - 16 Feb</p>	<ul style="list-style-type: none"> <li>- Working on general css across site's pages</li> <li>- Documentation             <ul style="list-style-type: none"> <li>- Began working on Level 1 Data Flow Diagram</li> <li>- Created files for all the other Documentation</li> </ul> </li> <li>- Connected fontawesome to my project</li> </ul>	<p><a href="https://www.midjourney.com/home">https://www.midjourney.com/home</a></p> <p><a href="https://fontawesome.com/kits/dc045b6d29/setup">https://fontawesome.com/kits/dc045b6d29/setup</a></p>

	<ul style="list-style-type: none"> <li>- May need to make my own icons though??</li> <li>- Decided on final name + slogan <ul style="list-style-type: none"> <li>- “Glowup: Your Mental Makeover”</li> <li>- Need to turn into a logo at some point</li> </ul> </li> </ul> <p><b>Achievement:</b></p> <ul style="list-style-type: none"> <li>- Fixed bug where icons were being duplicated across screen</li> <li>- Fixed css not updating on page refresh <ul style="list-style-type: none"> <li>- Clearing cache</li> </ul> </li> <li>- Created sidebar w/ icons</li> </ul> <p><b>Challenge:</b></p> <ul style="list-style-type: none"> <li>- Tried creating logo with midjourney but my free trial has expired</li> </ul>	
17 Feb - 23 Feb	<ul style="list-style-type: none"> <li>- General bug fixing + working</li> </ul> <p><b>Achievement:</b></p> <ul style="list-style-type: none"> <li>- I have now used \$0.53 worth of database egress <ul style="list-style-type: none"> <li>- I can’t disable database feature though because then I can’t edit the project</li> </ul> </li> <li>- Launched the post feed!!</li> </ul> <p><b>Challenge:</b></p> <ul style="list-style-type: none"> <li>- Apparently exceeding 250mb on Vercel but that shouldn’t be true <ul style="list-style-type: none"> <li>- Is it counting downloaded packages??</li> <li>- If so, how did it go up so quickly?</li> </ul> </li> </ul>	<a href="https://stackoverflow.com/questions/64159631/removing-collected-static-files">https://stackoverflow.com/questions/64159631/removing-collected-static-files</a>
24 Feb - 1 Mar	<ul style="list-style-type: none"> <li>- Continued styling posts feed</li> <li>- Deleted template html and wrote my own for the profile page <ul style="list-style-type: none"> <li>- Began styling page but quite difficult to get the right layout and css takes ages</li> </ul> </li> </ul> <p><b>Achievement:</b></p> <ul style="list-style-type: none"> <li>- Fixed database egress issue by reconnecting old local database for now</li> </ul> <p><b>Challenge:</b></p>	



	<ul style="list-style-type: none"> <li>- Displaying individual users' profile images in the post feed.</li> <li>- I can only get it to display the pfp of the user signed in.</li> </ul>	
2 Mar - 15 Mar	N/A	
16 Mar - 22 Mar	<ul style="list-style-type: none"> <li>- Created page for daily kindness challenges</li> <li>- Created page for messages <ul style="list-style-type: none"> <li>- Linked to urls and created a views function for each</li> </ul> </li> <li>- Continued styling profile page</li> </ul>  <p>The screenshot shows a social media profile page for 'GLOWUP'. On the left is a vertical navigation menu with icons for Home, Messages, a flame, Heart, and Settings. The main content area shows a profile for '@asdf' with a profile picture, 9 posts, 0 followers, 1 following, and a settings link. The page has a light gray background and rounded corners.</p>	
23 Mar - 18 Apr	N/A	
19 Apr - 27 Apr	<ul style="list-style-type: none"> <li>- Fixed up part A meeting notes</li> </ul> <p><b>Achievements:</b></p> <ul style="list-style-type: none"> <li>- Created structure chart</li> <li>- Finalised Level 1 DFD</li> <li>- Created Level 2 DFD</li> <li>- Created Pseudocode example</li> <li>- Created my own icons for some of the project <ul style="list-style-type: none"> <li>- Heart, House, Fire, Mail</li> </ul> </li> </ul> <p><b>Challenge:</b></p> <ul style="list-style-type: none"> <li>- Learning how to use figma!</li> <li>- Actually really enjoyed this part of the project though. Easier than I thought and</li> </ul>	<a href="https://www.youtube.com/watch?v=LvwD_JzBQwl&amp;t=166s">https://www.youtube.com/watch?v=LvwD_JzBQwl&amp;t=166s</a>  <a href="https://www.youtube.com/watch?v=q-GL1uh74fE&amp;t=56s">https://www.youtube.com/watch?v=q-GL1uh74fE&amp;t=56s</a>  <a href="https://www.tensorflow.org/tutorials/load_data/text">https://www.tensorflow.org/tutorials/load_data/text</a>  <a href="https://github.com/keras-team/keras/issues/692">https://github.com/keras-team/keras/issues/692</a>  <a href="https://discuss.tensorflow.org/t/sugges">https://discuss.tensorflow.org/t/sugges</a>





- Created structure of daily challenge page
- Updated the Profile model to take into account user\_streak, max\_streak and last\_completed
- Created challenge() function and coded all the possible scenarios
  - User completes daily challenge for the first time
  - User already completed challenge that day
  - User streak is at its highest level ever
  - TODO: user misses a day

<https://app.diagrams.net/?src=about#G1uL-1EbJqXaoRpoO7Xhfw1gx8lYlgOdN#%7B%22pageId%22%3A%22C5RBs43oDa-KdzZeNtuy%22%7D>

<https://app.diagrams.net/?src=about#G1Om0LqjGjxvcSn2xamVZL4Hzl9NxBD9Sr#%7B%22pageId%22%3A%22C5RBs43oDa-KdzZeNtuy%22%7D>

## Part B Logbook

6 May - 12 May

- Part B meeting
- Created list of words to block
  - Roughly 1100 words that are blocked
  - Use list from online (stream chat site)
- Created profanity filter system for posts
 

```
with open(filename, 'r') as file:
    reader = csv.reader(file)
    for row in reader:
        if row[0] in textProcessed:
            return True
```
- Error message if any profane word is detected

<https://www.kaggle.com/code/robikscube/sentiment-analysis-python-youtube-tutorial/input>

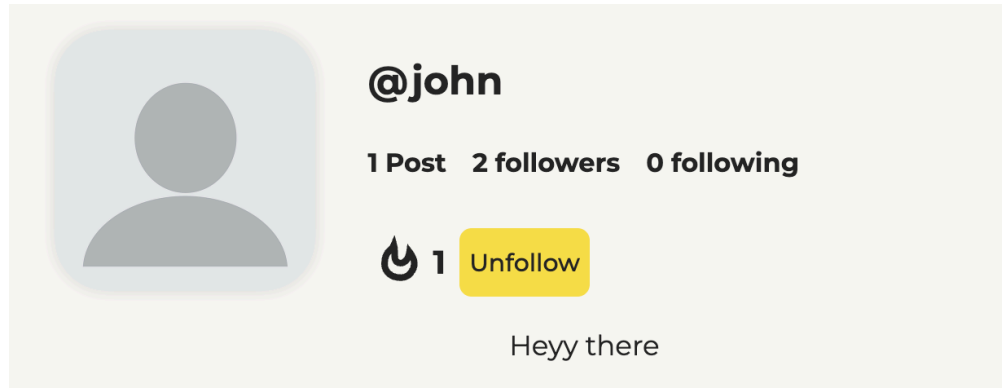
<https://www.youtube.com/watch?v=szczpgOEEXs>

<https://www.youtube.com/watch?v=szczpgOEEXs>

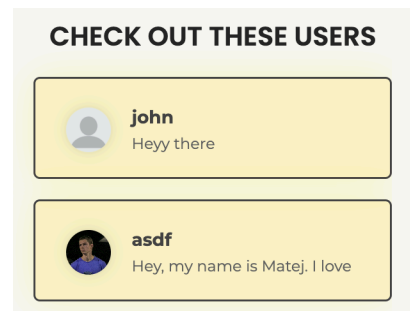
<https://dashboard.getstream.io/>

- Added in functionality to block words where letters are swapped with numbers
- Asked friends to test it
  - Stuff still got through
  - Punctuation
  - Swear words across multiple lines
  - etc.

- Styled the profile page



- Testing profanity filter
- Created recommended users section



- Really happy with how its turned out

#### Challenge:

- Created sentiment analysis model
  - Initially tried using Tensorflow but couldn't get it to work
  - Swapped to Pytorch
  - Difficult to follow tutorials

<https://www.geeksforgeeks.org/handling-ajax-request-in-django/>

<https://forum.djangoproject.com/t/how-to-create-a-button-to-change-a-text-in-my-html-with-data-coming-from-djangos-models-py/9059>

<https://forum.djangoproject.com/t/code-in-block-is-not-always-executed-when-extended-from-base-html/4520>

	<ul style="list-style-type: none"> <li>- Issue: model had to be trained every time I wanted to use the sentiment analysis function <ul style="list-style-type: none"> <li>- Found out how to link to a pretrained model</li> <li>- Very accurate because of how much data it is trained on compared to my very simple model</li> <li>- Working implementation</li> </ul> </li> <li>- Liking post issue <ul style="list-style-type: none"> <li>- Liking a post reloads the page, sending the user back to the top of the feed</li> </ul> </li> </ul>	
13 May - 20 May	<ul style="list-style-type: none"> <li>- Wrote installation instructions + how to run</li> </ul> <p><b>Achievements:</b></p> <ul style="list-style-type: none"> <li>- Fixed bug where every post in the post feed had the same profile image by passing it through to views.py separately.</li> </ul> <pre> if datetime.now().day - post.created_at.date().day &lt;= 4:     post_dic.append({         'post': post,         'profile_image': post_user_profile.profile_img,         'comments': comments,         'time_since_posted': time_string     }) </pre> <ul style="list-style-type: none"> <li>- Fixed streak resetting error</li> </ul> <pre> # check if the user has an existing streak if user_profile.last_completed.day == date.today().day and user_profile.last_completed.month == date.today().month:     pass elif user_profile.last_completed.day != (date.today() - timedelta(days=1)).day or user_profile.last_completed.month != (date.today() - timedelta(days=1)).month:     user_profile.current_streak = 0     user_profile.save() </pre> <ul style="list-style-type: none"> <li>- My logic for checking whether it was the right day was flawed</li> <li>- Created comment functionality</li> </ul>	<a href="https://www.youtube.com/watch?v=AgTr5mw4zdl">https://www.youtube.com/watch?v=AgTr5mw4zdl</a>  <a href="https://www.youtube.com/watch?v=aJRPajVnPk">https://www.youtube.com/watch?v=aJRPajVnPk</a>  <a href="https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s">https://www.youtube.com/watch?v=xSUm6iMtREA&amp;t=1387s</a>  <a href="https://stackoverflow.com/questions/38057674/maintain-scroll-position-in-div-on-form-submit-django#:~:text=If%20for%20some%20reason%20you,check%20localStorage%20for%20that%20value.&amp;text=localStorage..pos'%2C%20%24(window).">https://stackoverflow.com/questions/38057674/maintain-scroll-position-in-div-on-form-submit-django#:~:text=If%20for%20some%20reason%20you,check%20localStorage%20for%20that%20value.&amp;text=localStorage..pos'%2C%20%24(window).</a>  <a href="https://stackoverflow.com/questions/42150499/how-do-i-delete-db-sqlite3-in-django-1-9-to-start-from-scratch">https://stackoverflow.com/questions/42150499/how-do-i-delete-db-sqlite3-in-django-1-9-to-start-from-scratch</a>  <a href="https://stackoverflow.com/questions/32445546/django-uuidfield-modelfield-causes-error-in-django-admin-badly-formed-hexadecim">https://stackoverflow.com/questions/32445546/django-uuidfield-modelfield-causes-error-in-django-admin-badly-formed-hexadecim</a>

```
def add_comment(request):
    if request.method == 'POST':
        comment_text = request.POST["comment"]
        post_id = request.POST["post_id"]

        if check_profanity(comment_text):
            # prevent the user from submitting an explicit comment
            return redirect('/')

        if comment_text.strip() != '':
            comment = Comment.objects.create(post_id=post_id, user=request.user.username,
            comment=comment_text)
            comment.save()
            post = Post.objects.get(id=post_id)
            post.no_of_comments += 1
            post.save()
            return HttpResponseRedirect(request.META.get('HTTP_REFERER', '/'))
        return HttpResponseRedirect(request.META.get('HTTP_REFERER', '/'))
```

- User can input a comment on each post
- The comment is stored in the database
- Created a modal system in the html so that all comments can be viewed

```
<div id="myModal_{{ post.post.id }}" class="modal">
    <div class="modal-content">
        <span class="close" onclick="closeModal('{{ post.post.id }}')">&times;</span>
        {% comment %} <h1>Comments</h1> {% endcomment %}
        <p style="font-style: italic; text-align: center; padding: 2em;">{{post.post.
        post_content}}</p>

        {% if post.post.no_of_comments == 0 %}
            <hr>
            <p class="small-text">Be the first to comment on this post</p>
        {% else %}
            {% for comment in post.comments%}
                <hr>
                <p><strong>{{comment.user}}</strong>: {{comment.comment}}</p>
            {% endfor %}
        {% endif %}
    </div>
</div>
```

- More javascript to control the modal open and close

	<pre>function openModal(postId) {   document.getElementById('myModal_' + postId).style.display = 'block'; }  function closeModal(postId) {   document.getElementById('myModal_' + postId).style.display = 'none'; }</pre>	
21 May - 28 May	<p>Sort posts by score</p> <ul style="list-style-type: none"><li>- Takes into account the positivity, like count and is slightly randomised</li></ul> <p>Updated the post feed under profile as the old code was outdated</p> <p><b>Challenge:</b></p> <p>Testing out installation process with the files downloaded straight off of github</p> <ul style="list-style-type: none"><li>- Took soo much time</li><li>- So many errors</li><li>- Had to re-learn how to create a virtual environment</li><li>- Had to wipe railway database</li><li>- Had to learn how to link a new railway database</li><li>- Had to go in and edit individual migration files</li><li>- Broke my brain</li><li>- I think the main issue was that I hadn't migrated the database and pushed recent updates to github so there were clashes</li></ul> <p><b>Achievements:</b></p> <p>Posts now display how long ago they were posted rather than the date they were posted. Looks way nicer</p>	<p><a href="https://www.youtube.com/watch?v=w5DRzbQ0Suo&amp;t=2s">https://www.youtube.com/watch?v=w5DRzbQ0Suo&amp;t=2s</a></p> <p><a href="https://stackoverflow.com/questions/41225435/python-remove-punctuation-from-a-text-file">https://stackoverflow.com/questions/41225435/python-remove-punctuation-from-a-text-file</a></p> <p><a href="https://docs.djangoproject.com/en/5.0/howto/static-files/">https://docs.djangoproject.com/en/5.0/howto/static-files/</a></p> <p><a href="https://docs.djangoproject.com/en/5.0/ref/contrib/staticfiles/">https://docs.djangoproject.com/en/5.0/ref/contrib/staticfiles/</a></p> <p><a href="https://stackoverflow.com/questions/68571281/django-static-files-not-loading-properly">https://stackoverflow.com/questions/68571281/django-static-files-not-loading-properly</a></p> <p><a href="https://www.w3schools.com/django/django_ref_filter.php">https://www.w3schools.com/django/django_ref_filter.php</a></p> <p><a href="https://www.w3schools.com/django/ref_filters_timesince.php">https://www.w3schools.com/django/ref_filters_timesince.php</a></p> <p><a href="https://docs.djangoproject.com/en/5.0/ref/templates/builtins/">https://docs.djangoproject.com/en/5.0/ref/templates/builtins/</a></p> <p><a href="https://stackoverflow.com/questions/6">https://stackoverflow.com/questions/6</a></p>

```
# Calculate time delta using timezone-aware datetimes
time_delta = now_utc - post.created_at
seconds = time_delta.total_seconds()

if seconds < 60:
    if seconds == 1:
        time_string = f"{int(seconds)} second ago"
    else:
        time_string = f"{int(seconds)} seconds ago"
elif seconds < 3600:
    minutes = int(seconds / 60)
    if minutes == 1:
        time_string = f"{minutes} minute ago"
    else:
        time_string = f"{minutes} minutes ago"
elif seconds < 86400:
    hours = int(seconds / 3600)
    if hours == 1:
        time_string = f"{hours} hour ago"
    else:
        time_string = f"{hours} hours ago"
else:
    days = int(seconds / 86400)
    if days == 1:
        time_string = f"{days} day ago"
    else:
        time_string = f"{days} days ago"
```

Created liked\_posts page

- Displays all the posts the current user has liked

Fixed bug where user was being redirected to home when liking a post in the Profile page.

Used the following code snippet instead of `return redirect("/")`

```
return HttpResponseRedirect(request.META.get('HTTP_REFERER', '/'))
```

Created messages functionality

- Entire backend
- Messages GUI

[7586182/how-to-resolve-import-django-contrib-could-not-be-resolved-from-source-in-vs](https://stackoverflow.com/questions/7586182/how-to-resolve-import-django-contrib-could-not-be-resolved-from-source-in-vs)

<https://stackoverflow.com/questions/5380838/excluding-a-list-of-a-users-friends-from-the-user-objects-all-query-set-in-django>

<https://stackoverflow.com/questions/10783864/django-1-4-timezone-now-vs-datetime-datetime-now>

<https://stackoverflow.com/questions/3209906/django-return-redirect-with-parameters>

<https://stackoverflow.com/questions/28240746/django-how-to-implement-alert-popup-message-after-complete-method-in-view>

<https://stackoverflow.com/questions/48200026/how-to-make-uuid-field-default-when-theres-already-id-field/48235821#48235821>



# Spread Kindness!

At glowup we're all about positivity. Send a kindness message to a random user.

**Your User:** Matej

Submit

## Recieved Messages

You haven't received any kindness messages yet. Check back later.

-

### - KindnessMessage Model

```
class KindnessMessage(models.Model):
    from_user = models.ForeignKey(User, on_delete=models.CASCADE, related_name='sent_messages')
    to_user = models.ForeignKey(User, on_delete=models.CASCADE, related_name='received_messages')
    message = models.TextField()
    sent_at = models.DateTimeField(auto_now_add=True)
```

-

### Created info page

- Added to sidebar
- Made it so that user is greeted by it when logging in
  - Duplicated it into a welcome page with a Let's Go button

### Liking posts:

- When a post is liked the program has to reload the page to update the database. Thus, the user would be taken back to the top of the post list
  - Initially learnt how to use ajax asynchronous database requests

- However it didn't work on school wifi and broke pretty quickly
- Didn't solve the issue since the page still needed to be reloaded so that the like counter could be updated
- Created restore scroll position function
  - Made it so that posts had a set order, ie. liking them wouldn't cause them to move around
  - Save the scroll position when the like button is pressed into local memory
  - On the page reload, fetch this position and scroll the div back down to where the user left off

```
const scrollDiv = document.getElementById("scroll-listen");

function restoreScrollPosition() {
  // Check if the element exists
  if (!scrollDiv) {
    return; // Do nothing if element not found
  }

  // Check if scroll position is stored in localStorage
  const storedScroll = localStorage.getItem("scroll-listen-position");

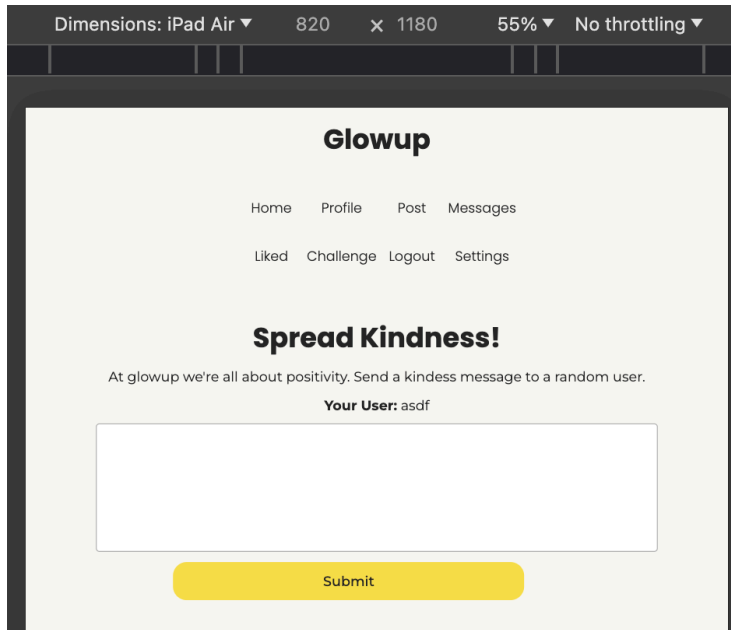
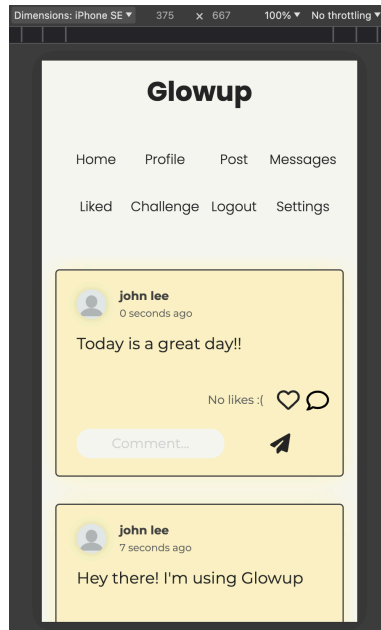
  // If stored scroll position exists, use it
  if (storedScroll) {
    scrollDiv.scrollTop = parseInt(storedScroll);
  } else {
    // If no stored position, scroll to top
    scrollDiv.scrollTop = 0;
  }
}

// Add event listener to window load event
window.addEventListener("load", restoreScrollPosition);

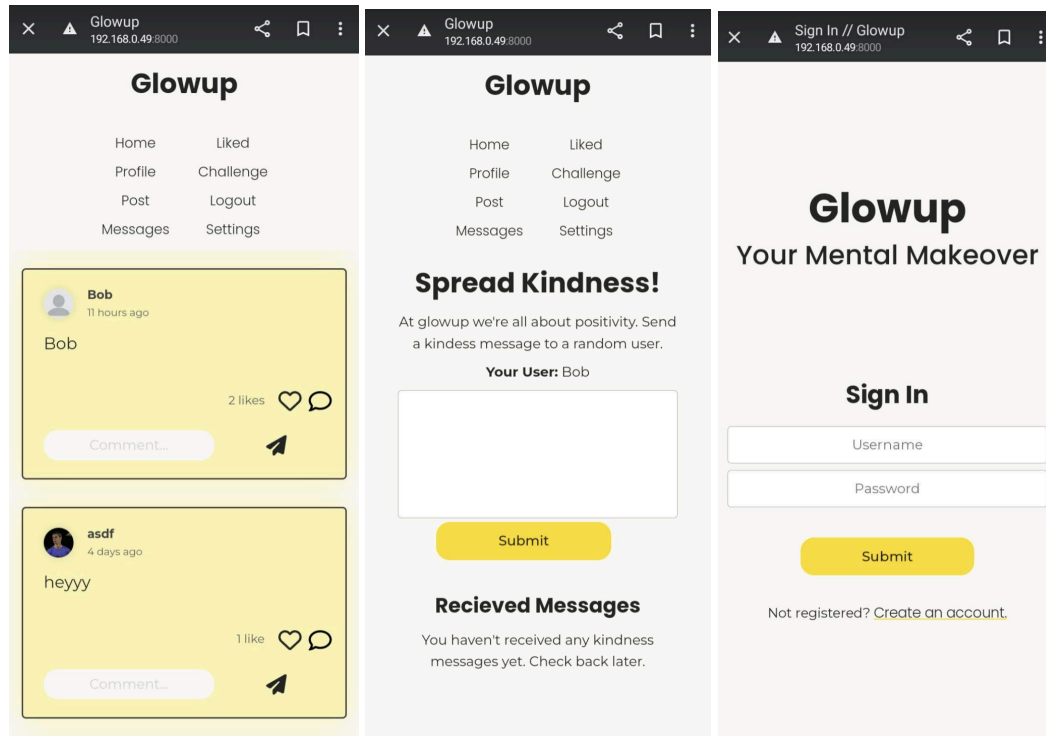
// Add event listener to window beforeunload event (optional)
window.addEventListener("beforeunload", function() {
  // Store current scroll position in localStorage
  scrollValue = document.getElementById("scroll-listen").scrollTop;
  localStorage.setItem("scroll-listen-position", scrollValue);
});
```

- I've missed getting to use javascript lol

	<ul style="list-style-type: none"><li>- Updated profanity filter to take into account punctuation</li><li>- Fixed bug of profile picture not updating by setting an enctype to the form</li><li>- Genuinely the most fun I've had building a project</li></ul> <div><div>23/5/2024</div><div>0h 33min 0sec</div></div> <div><div>23/5/2024</div><div>1h 47min 0sec</div></div> <div><div>24/5/2024</div><div>1h 42min 0sec</div></div> <div><div>24/5/2024</div><div>1h 14min 0sec</div></div> <div><div>25/5/2024</div><div>2h 43min 0sec</div></div> <div><div>26/5/2024</div><div>1h 59min 0sec</div></div> <ul style="list-style-type: none"><li>-</li><li>- Continued testing of modules + program + further documentation</li><li>- Comparison with initial design specifications</li></ul>	
29 May - 5 Jun	<ul style="list-style-type: none"><li>- System testing<ul style="list-style-type: none"><li>- Other peoples' devices → lots of feedback</li><li>- My devices</li><li>- Mobile/Tablet</li></ul></li><li>- Final program testing</li><li>- Bug fixes<ul style="list-style-type: none"><li>- Form submission with empty fields</li><li>- Made all dates timezone aware</li><li>- Fixed messages sending to the wrong person → stored the user in session memory.</li></ul></li><li>- Finalised the styling of the messages page</li><li>- Minor tweaks to the look and feel of the website</li><li>- Redid installation instructions<ul style="list-style-type: none"><li>- Some of my previous instructions were wrong</li><li>- Accidentally confused my python version with 3.10 when Glowup runs on 3.12</li><li>- In depth running the program section</li><li>- Navigating to the website backend</li></ul></li></ul> <p><b>Achievements:</b></p> <ul style="list-style-type: none"><li>- Styled mobile and tablet views</li></ul>	<a href="https://stackoverflow.com/questions/29311354/how-to-set-the-timezone-in-django">https://stackoverflow.com/questions/29311354/how-to-set-the-timezone-in-django</a>  <a href="https://docs.djangoproject.com/en/5.0/topics/i18n/timezones/">https://docs.djangoproject.com/en/5.0/topics/i18n/timezones/</a>



Screenshots from my phone:



- Finished fully commenting all python code

### Challenges:

- Accidentally deleted the responsive.scss file
  - Hadn't pushed to git since coding it
  - Found an old version stored on my device but had to rewrite some of the css.

6 Jun +	<ul style="list-style-type: none"> <li>- Finalised testing the solution document</li> <li>- Read over and confirmed installation instructions</li> <li>- Went through all marking criteria to ensure I missed nothing <ul style="list-style-type: none"> <li>- Now have both pre and post-test loops and global variable used in my code</li> </ul> </li> <li>- Populating the site with users <ul style="list-style-type: none"> <li>- Started with a clean database and made a bunch of accounts to interact with each other and display all the site's features in use</li> <li>- Took way longer than it should have</li> </ul> </li> <li>- Finalised logbook</li> <li>- Cried a bit</li> </ul> <p>Submission!</p>	
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