



weave

Team One - Sprint 3 Testing Document

Esha Bhatti

Saisuvan Chikyala

Mark Lee Gindling

Sahil Kapur

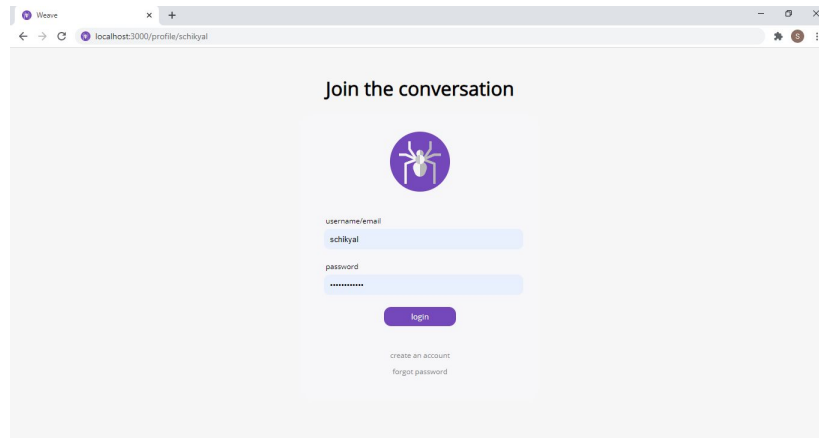
Michael Anthony Maganini

Mason Andrew Snyder

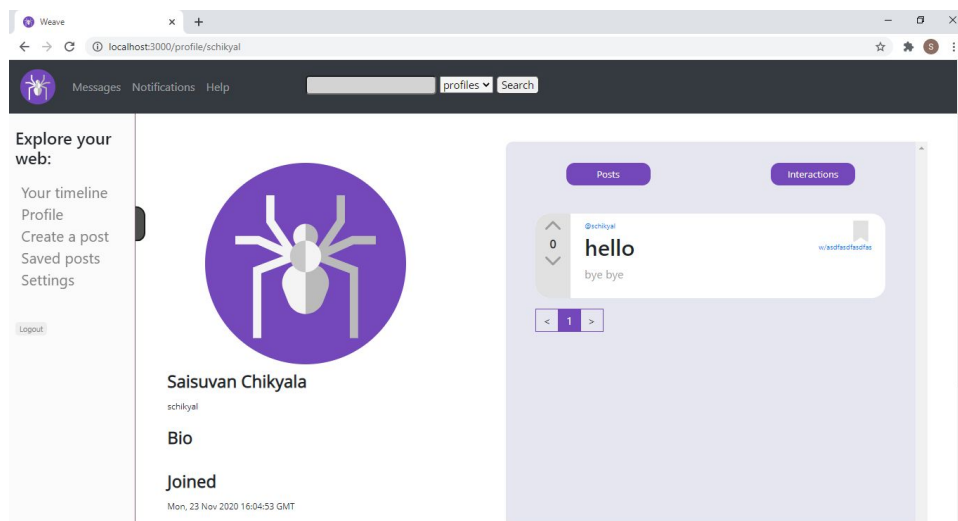
User Story 1: As a visitor, I want to have basic access to the site without having to create an account.

Test 1.1 --When a user goes to a profile page without logging in, they will be able to see the correct page.

- I typed in the url instead of clicking the login button.

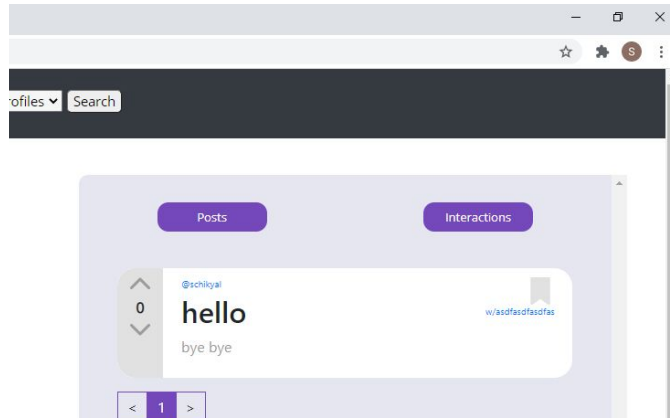


- It allows me to view the page without having an access token.

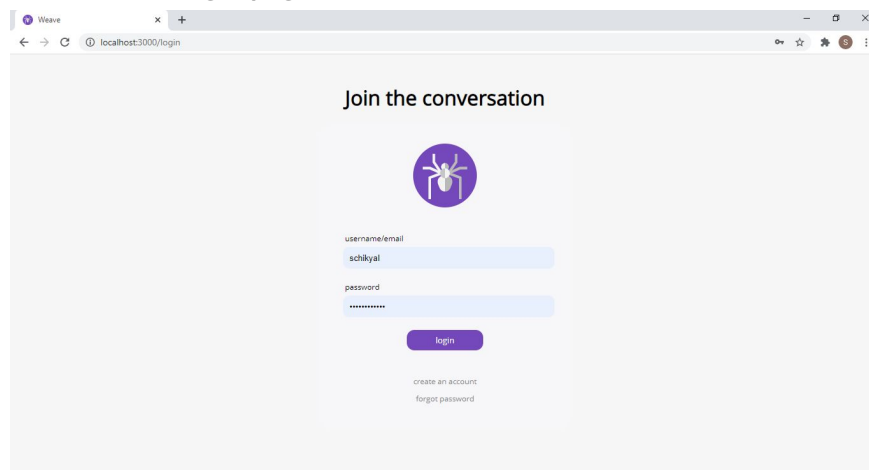


Test 1.2 -- When a user goes to a profile page without logging in, they will not be able to modify any of the visible data unless they log in first.

- I attempt to vote on the post without logging in.

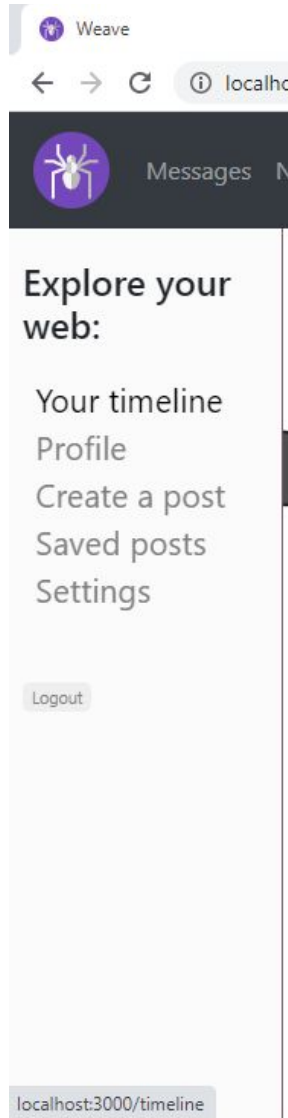


- I get redirected to the login page.

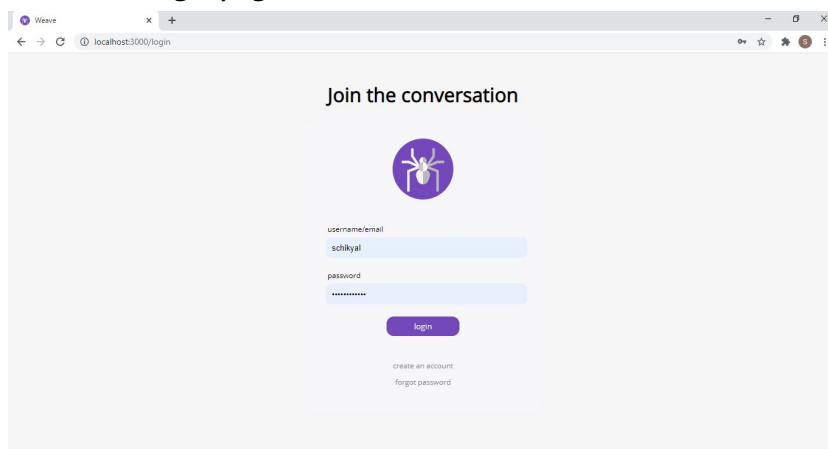


Test 1.3 -- When a user goes to a timeline page without logging in, they will be redirected to the login page.

- I attempt to click on the timeline button without logging in.



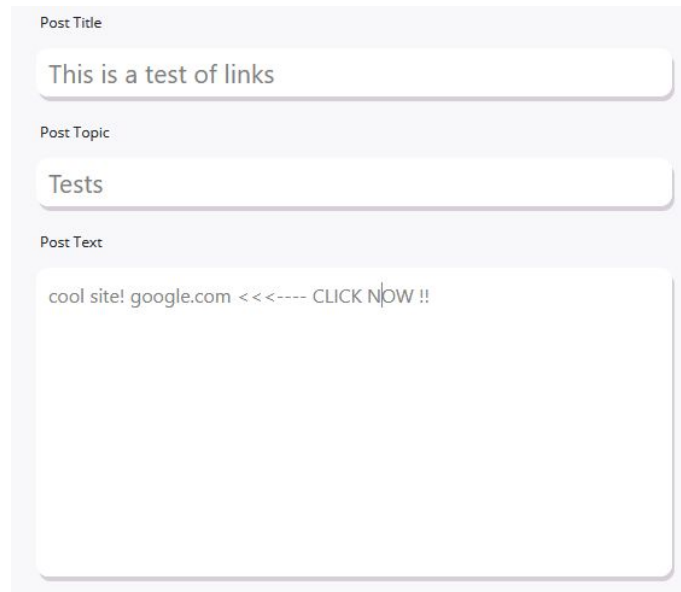
- It redirects me to the login page.



User Story 2: As a user, I want to add working URLs to my posts.

Test 2.1 -- Links should be recognized and displayed in posts.

- First we can create a post with a link in it:



A screenshot of a post creation form. It has three input fields: 'Post Title' with the text 'This is a test of links', 'Post Topic' with the text 'Tests', and 'Post Text' with the text 'cool site! google.com <<<---- CLICK NOW !!'. The form is light gray with rounded corners and a subtle shadow.

- Then we can see this created post on our profile page with the link we added highlighted:



Test 2.2 -- Links should lead to the proper address when clicked.

- If we hover over the link it becomes underlined (cursor doesn't show when printing screen).



- If we click on it we get rerouted to the correct address:

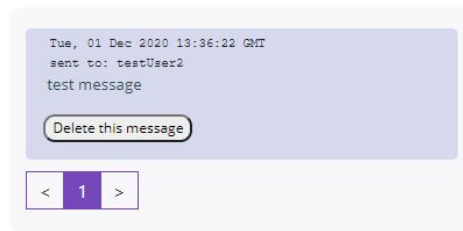


User Story 3: As a user, I want to direct message other users on the site.

Test 3.1 -- Direct messages should correctly hold the usernames of sender and the receiver.

- Upon successful message creation, the success message is shown and the message is shown in the feed. The data is stored in the database with the correct sender and receiver usernames as shown below.

Your message feed



Write a message

Message

test message

Receiver

testUser2

Send Message

Message Sent

	message_id	sender	receiver	sender_status	receiver_status	content	date_created
▶	1	testUser	testUser2	1	2	test message	2020-12-01 13:36:22
✱	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Test 3.2 -- Direct messages should not be empty.

- Upon sending an empty message to a user, an error message is displayed and the message does not get sent.

Your message feed

Tue, 01 Dec 2020 13:36:22 GMT
sent to: testUser2
test message

Delete this message

< 1 >

Write a message

Message

Receiver

testUser2

Send Message

Please enter a message.

Test 3.3 -- Direct messages should not be more than 500 characters.

- Upon attempting to send a message that exceeds 500 characters, and the error message is displayed and the message is not sent.

Your message feed

Tue, 01 Dec 2020 13:36:22 GMT
sent to: testUser2
test message

Delete this message

< 1 >

Write a message

Message

90123456789012345678901234567890123456789
01234567890123456789012345678901234567890
12345678901234567890123456789012345678901
23456789012345678901234567890123456789012
34567890123456789012345678901234567890123
456789012345678901234567890123456789

Receiver

testUser2

Send Message

Message cannot exceed 500 characters.

User Story 4: As a user, I want to see the direct messages that other users have sent me.

Test 4.1 -- When a user goes to their direct message page, they will be able to see all the direct messages that other users sent them.

- Highlighted in pink in the images below, all messages that are sent to the active user are available for viewing in the message feed.

Test 4.2 -- When a user goes to their direct message page, they will not be able to see any of the direct messages that were sent to other users (that the current user has not sent themselves).

- As can be seen in the images below, no messages are available in the active user's feed that have been exchanged between two other users.

Test 4.3 -- When a user has a large number of direct messages, they will be able to see those not in the initial display by using some UI element.

- Pagination has been applied so that when the number of messages in a user's feed exceeds 5, additional pages are added which can be selected after initial display if the active user so desires. This can be viewed in the images below.

Test 4.4 -- When a user goes to their direct message page, they will see their direct messages ordered by most recent first.

- As can be seen in the images below, the time stamps for each message reveal sorting by most recent messages showing first.

Your message feed

Tue, 01 Dec 2020 14:08:05 GMT
sent to: testUser2
testMessage6

Delete this message

Tue, 01 Dec 2020 14:08:01 GMT
sent to: testUser2
testMessage5

Delete this message

Tue, 01 Dec 2020 13:58:07 GMT
from: testUser2
test message 4

Delete this message

Tue, 01 Dec 2020 13:58:03 GMT
from: testUser2
test message 3

Delete this message

Tue, 01 Dec 2020 13:48:25 GMT
sent to: testUser2
test message 2

Delete this message

< 1 2 >

Your message feed

Tue, 01 Dec 2020 13:36:22 GMT
sent to: testUser2
test message

Delete this message

< 1 2 >

User Story 5: As a user, I want to see the direct messages that I have sent to other users.

Test 5.1 -- When a user goes to their direct message page, they will be able to see all the direct messages that they have sent other users.

- Highlighted in blue in the images below, all messages that are sent by the active user are available for viewing in the message feed.

Test 5.2 -- When a user goes to their direct message page, they will not be able to see any of the direct messages that the current user has not sent themselves (unless these messages are addressed to them).

- As can be seen in the images below, no messages are available in the active user's feed that have been exchanged between two other users.

Test 5.3 -- When a user has a large number of direct messages, they will be able to see those not in the initial display by using some UI element.

- Pagination has been applied so that when the number of messages in a user's feed exceeds 5, additional pages are added which can be selected after initial display if the active user so desires. This can be viewed in the images below.

Test 5.4 -- When a user goes to their direct message page, they will see their direct messages ordered by most recent first.

- As can be seen in the images below, the time stamps for each message reveal sorting by most recent messages showing first.

Your message feed

Tue, 01 Dec 2020 14:08:05 GMT
sent to: testUser2
testMessage6

Delete this message

Tue, 01 Dec 2020 14:08:01 GMT
sent to: testUser2
testMessage5

Delete this message

Tue, 01 Dec 2020 13:58:07 GMT
from: testUser2
test message 4

Delete this message

Tue, 01 Dec 2020 13:58:03 GMT
from: testUser2
test message 3

Delete this message

Tue, 01 Dec 2020 13:48:25 GMT
sent to: testUser2
test message 2

Delete this message

< 1 2 >

Your message feed

Tue, 01 Dec 2020 13:36:22 GMT
sent to: testUser2
test message

Delete this message

< 1 2 >

User Story 6: As a user, I want to stop people from sending me direct messages unless I follow them.

Test 6.1 -- A user should be able to block all messages from users that they do not follow.

- To start this test, we will have two relevant users in the database with the following information:

	username	follower_count	moderation_status
▶	FAKREER	0	0
	FAKREER3	0	0
•	NULL	NULL	NULL

- As we can see, there are no following relationships between these two users. One user ("FAKREER3") can therefore activate privacy mode on the settings page to block all messages from the other user ("FAKREER").

☒ Activate privacy mode

When privacy mode is activated, you will not receive direct messages from anyone but the users you have followed.

Update Settings

Settings updated!

- We can see this change take place in the database (the moderation_status column holds the status of privacy mode):

	username	follower_count	moderation_status
▶	FAKREER	0	0
	FAKREER3	0	1
•	NULL	NULL	NULL

- If we then try to send "FAKREER3" a message from the "FAKREER" account, we will be unable to, as shown on the page below.

Write a message

Message

Hello?

Receiver

FAKREER3

Send Message

Failed: User has privacy settings enabled.

Test 6.2 -- A user with privacy mode on should still be able to receive messages from those users that they follow.

- Using the same data as exists at the end of the test above, we can now have the user "FAKREER3" follow the user "FAKREER" using the means as implemented during the second sprint.

	user_follower	user_followed
▶	FAKREER3	FAKREER
•	NULL	NULL

- With this relationship in place, the user "FAKREER" can now send messages to the user "FAKREER3" like normal:

Write a message

Message

Hello?

Receiver

FAKREER3

Send Message

Message Sent

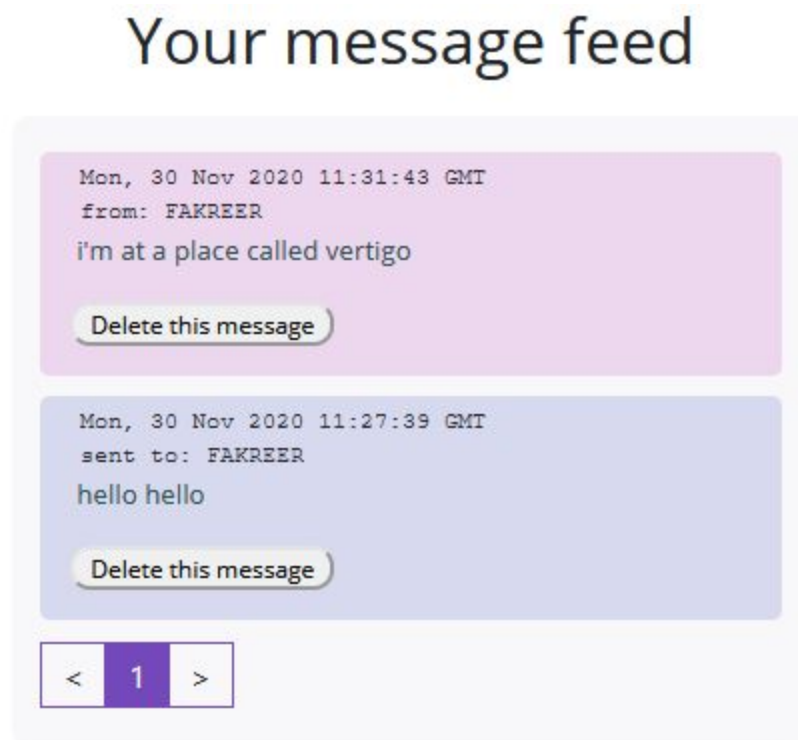
User Story 7: As a user, I want to delete a previous direct message.

Test 7.1 -- A user should be able to delete messages from their direct message feed.

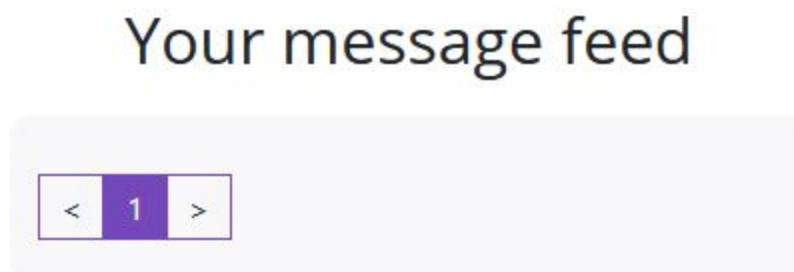
- For this test, we will start with two relevant messages in the DirectMessage table:

	message_id	sender	receiver	sender_status	receiver_status	content	date_created
▶	19	FAKREER2	FAKREER	1	2	hello hello	2020-11-30 11:27:39
	20	FAKREER	FAKREER2	1	2	i'm at a place called vertigo	2020-11-30 11:31:43
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- If we go to the message page of user "FAKREER2", we will see the following messages displayed:



- At this point, the user can click the delete button on both, and they will disappear from the message feed.



- We can then check the database to see that both messages have been flagged as having

been "deleted" (the corresponding status set to 0) where the user would be "FAKREER2".

	message_id	sender	receiver	sender_status	receiver_status	content	date_created
▶	19	FAKREER2	FAKREER	0	2	hello hello	2020-11-30 11:27:39
	20	FAKREER	FAKREER2	1	0	i'm at a place called vertigo	2020-11-30 11:31:43
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Test 7.2 -- A user should still be able to see messages that their partner in conversation has deleted.

- Assume that this test begins with the same data as the end of the previous test.

Therefore, the relevant messages in the database for this test would be:

	message_id	sender	receiver	sender_status	receiver_status	content	date_created
▶	19	FAKREER2	FAKREER	0	2	hello hello	2020-11-30 11:27:39
	20	FAKREER	FAKREER2	1	0	i'm at a place called vertigo	2020-11-30 11:31:43
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- It was shown above that the deleted messages no longer show up on the message feed of the user "FAKREER2". In order for this test to hold, however, these messages should still appear on the feed of the user "FAKREER". As it turns out, this is indeed the case:

Your message feed

Mon, 30 Nov 2020 11:31:43 GMT
sent to: FAKREER2
i'm at a place called vertigo
[Delete this message](#)

Mon, 30 Nov 2020 11:27:39 GMT
from: FAKREER2
hello hello
[Delete this message](#)

< 1 2 3 >

User Story 8: As a user, I want to block or unblock another user.

Test 8.1 -- A user who clicks the block button on a profile will block the account that profile represents.

- We can click the block button on a users profile and it will change to “unblock”.



- We can also see in the database that the block is recorded.

	user_blocker	user_blocked
▶	Iconfaun	block1
	Iconfaun	block2
	Iconfaun	block3
	Iconfaun	block4
	Iconfaun	Blockme
	Iconfaun	Tester
*	NULL	NULL

- In this case I clicked block on Tester’s profile, and now it shows up in the database (circled).

Test 8.2 -- A user who clicks the unblock button on a profile will unblock the account that profile represents.

- Going off the last test, if we go back to Tester’s profile and click unblock the button will change back to “block”.



- Then we can check the database again and see that the entry is removed.

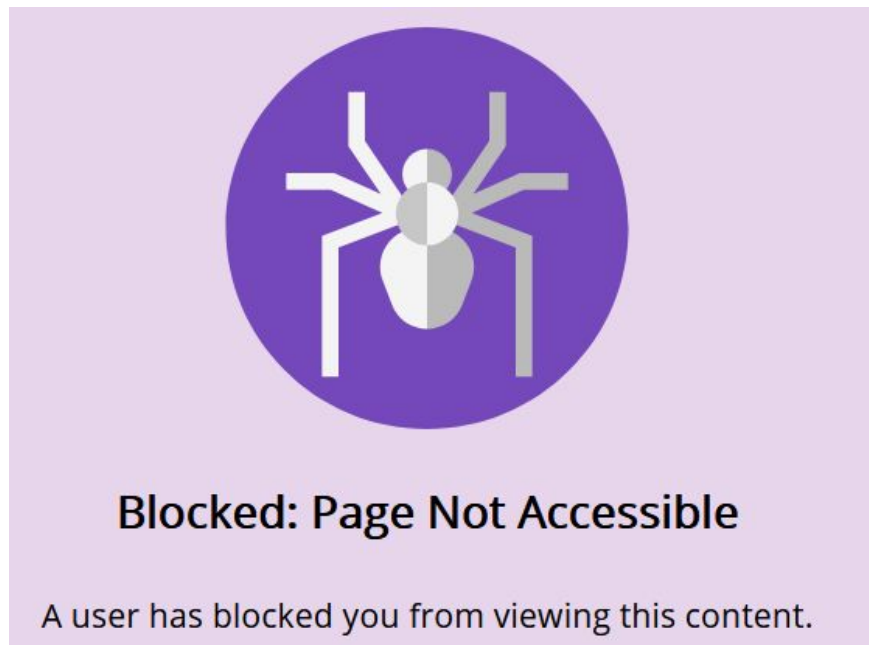
	user_blocker	user_blocked
▶	Iconfaun	block1
	Iconfaun	block2
	Iconfaun	block3
	Iconfaun	block4
	Iconfaun	Blockme
*	NULL	NULL

User Story 9: As a user, I want my information to be kept private from the users who I block.

(Note that for all of these tests, I have been blocked by a user called "Tester".)

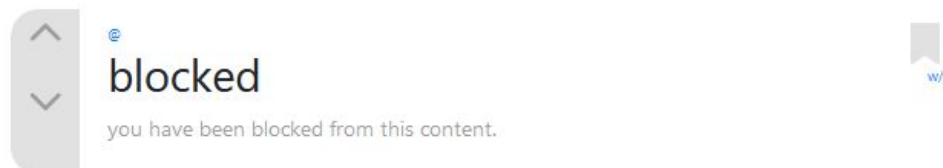
Test 9.1 -- When a user blocks an account, the account should not be able to see the user's profile.

- If I try to go to /user/Tester, I am rerouted to the /blocked route and shown this page.



Test 9.2 -- When a user blocks an account, the account should not be able to see the user's posts.

- If I try to go to a post of theirs, in my case /post/14, I am shown the same page as above
- If I go to a feed where there post should be shown (my timeline since I followed them) then the following will be shown instead, and none of the buttons will be functional



Test 9.3 -- When a user blocks an account, the account should not be able to see the user's comments.

- If I go to a post of mine where the user who blocked me left a comment, the following will display instead.

Comments:

BLOCKED



BLOCKED

Mon, 30 Nov 2020 21:54:03 GMT

You have been blocked from viewing this comment.

Test 9.4 -- When a user blocks an account, the account should not be able to send the user direct messages

- Finally, if I go to the /messages page and try to send a message to Tester, I will receive the following error.

Write a message

Message

Hello, I have been blocked

Receiver

Tester

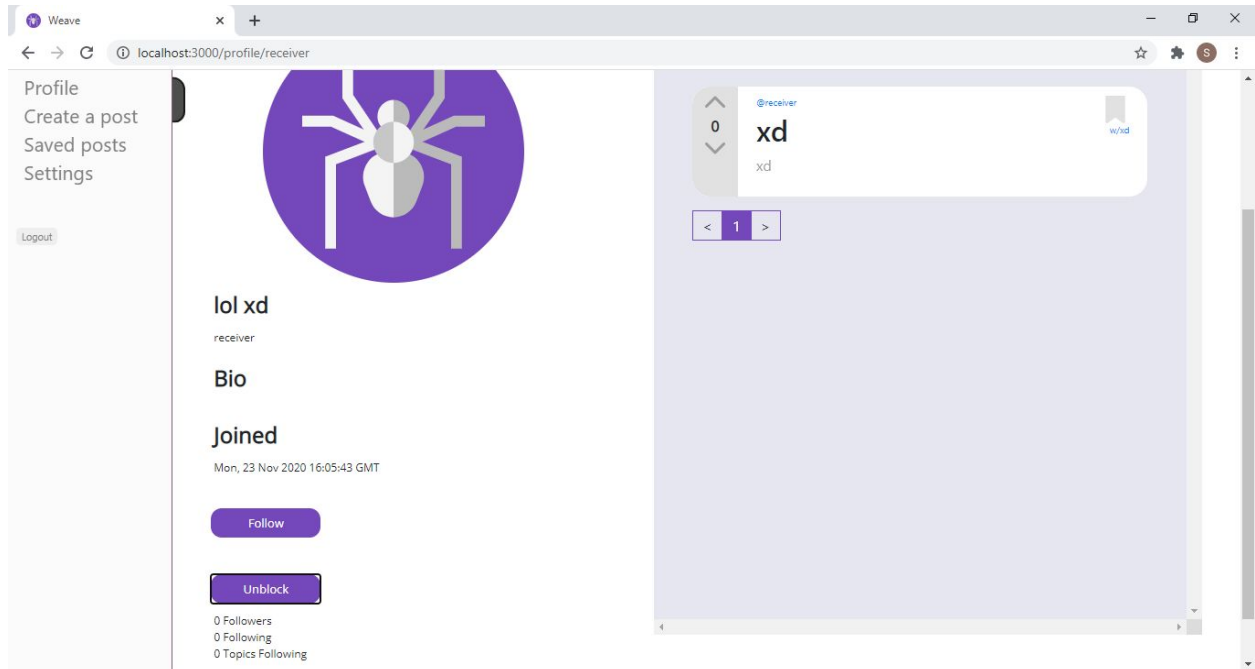
Send Message

Blocked from messaging this user

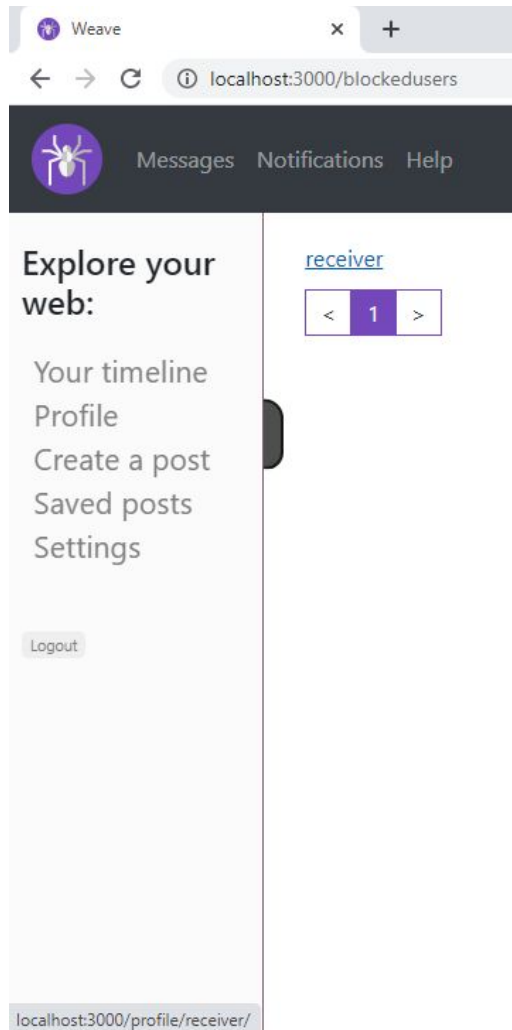
User Story 10: As a user, I want to see a list of all the users who I have blocked.

Test 10.1-- When a user is blocked, the user should be visible under accounts blocked.

- I block the user “receiver” by clicking the block button, which changes the button to Unblock.

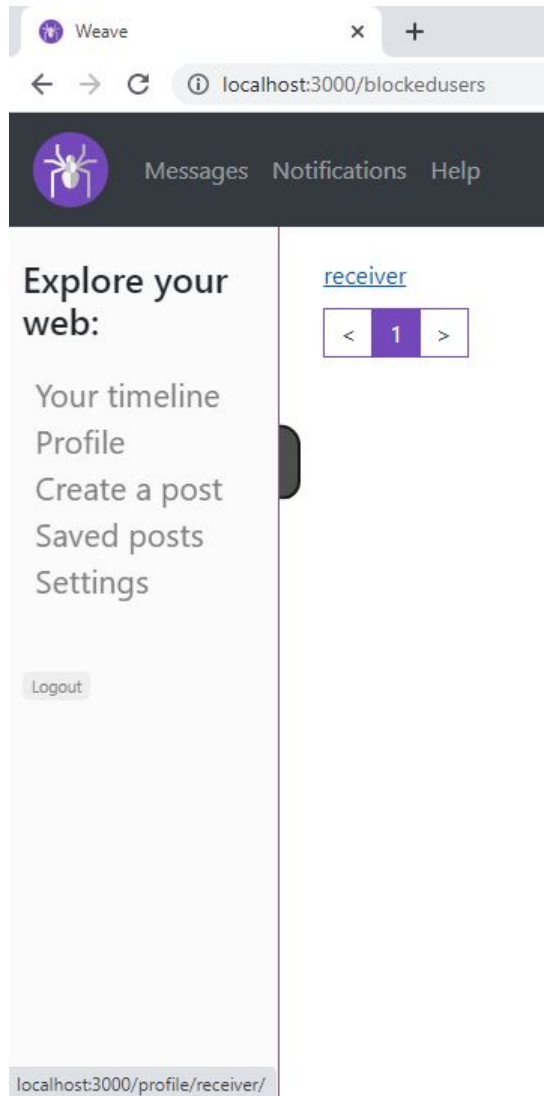


- I go to my list of blocked users, which displays the name of that user and a link to his profile, as shown by the hyperlink at the bottom.

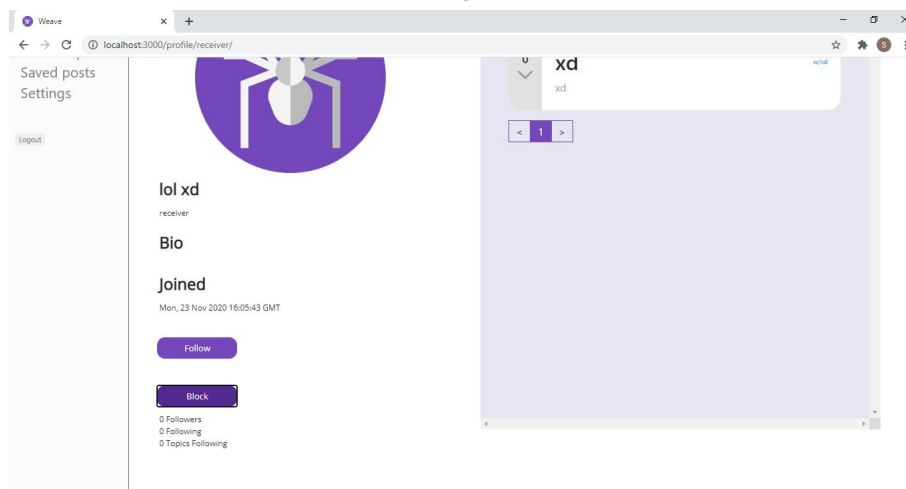


Test 10.2-- When a user goes to the blocked accounts list, they should be able to click on an account and unblock them.

- If I go to accounts blocked, I should be able to go to the profile of the blocked user.

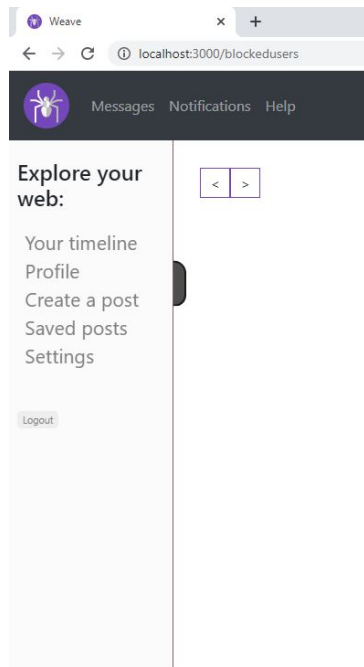


- I unblock the user “receiver”, which changes the button to Block.



Test 10.3-- When a user is not blocked, the user should not be visible under the blocked account list.

- The user “receiver” is now gone from my list of blocked users.



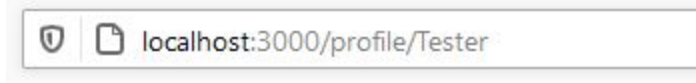
User Story 11: As a user, I want to directly search and access accounts using the UI.

Test 11.1 -- When a valid account name is typed into the search bar, the user will be taken to that account.

- We can type in a user that exists (in my case the user "Tester").

A dark-themed search bar with a text input field containing 'Tester', a dropdown menu labeled 'profiles' with a downward arrow, and a 'Search' button.

- When we click search this is the page we are rerouted to:

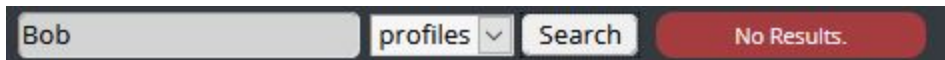
A browser address bar showing a lock icon, a document icon, and the URL 'localhost:3000/profile/Tester'.

Test 11.2 -- When an invalid account name is typed into the search bar, the user will be told that the account does not exist.

- We can type in a user that does not exist (in my case the user "Bob").

A dark-themed search bar with a text input field containing 'Bob', a dropdown menu labeled 'profiles' with a downward arrow, and a 'Search' button.

- When we click search we will be shown the following message:

A dark-themed search bar with a text input field containing 'Bob', a dropdown menu labeled 'profiles' with a downward arrow, a 'Search' button, and a red button labeled 'No Results.'.

User Story 12: As a user, I want to search and access topics using the UI.

Test 12.1 -- When a valid topic name is typed into the search bar, the user will be taken to that topic.

- We can type in a topic that exists (in my case the topic "monkeys").



A search bar with the text "monkeys" entered. To the right of the input field is a dropdown menu currently showing "topics" with a downward arrow. Further right is a button labeled "Search".

- When we click search this is the page we are rerouted to:



A browser address bar showing the URL "localhost:3000/topic/monkeys". To the left of the URL are icons for a shield and a document.

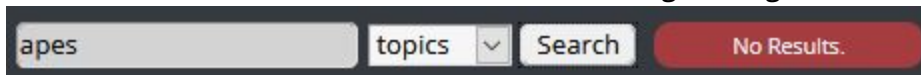
Test 12.2 -- When an invalid topic name is typed into the search bar, the user will be told that the topic does not exist.

- We can type in a user that does not exist (in my case the topic "apes").



A search bar with the text "apes" entered. To the right of the input field is a dropdown menu currently showing "topics" with a downward arrow. Further right is a button labeled "Search".

- When we click search we will be shown the following message:



A search bar with the text "apes" entered. To the right of the input field is a dropdown menu currently showing "topics" with a downward arrow. Further right is a button labeled "Search". To the right of the "Search" button is a red button with the text "No Results.".

User Story 13: As a user, I want to use my settings page to edit my current sensitive information (username, email, and password).

Test 13.1 -- A user should be able to use the settings page to update their sensitive information (as defined above).

- For this test, we start with the following UserAccount entity in the database. Note that the current password is stored in the email string for visibility.

username	email	encrypted_password
redacted	abc123@password.org	\$2b\$12\$MNOHjG...G1...QSW003...GMM/pl
test_user	coolCOOL123@password.org	\$2b\$12\$.Wf/AOE/mQlVFh3p81pBmO/yOH7CrG.

- Once the user is logged in, they can go to their settings page and insert their current password. From there, the user can change their settings using the appropriate input boxes.

Modify your settings

Enter your current password:

..... --> coolCOOL123

Enter a new password:

..... --> NOTcool321

Enter a new username:

supercoolguy

Enter a new email:

NOTcool321@password.org

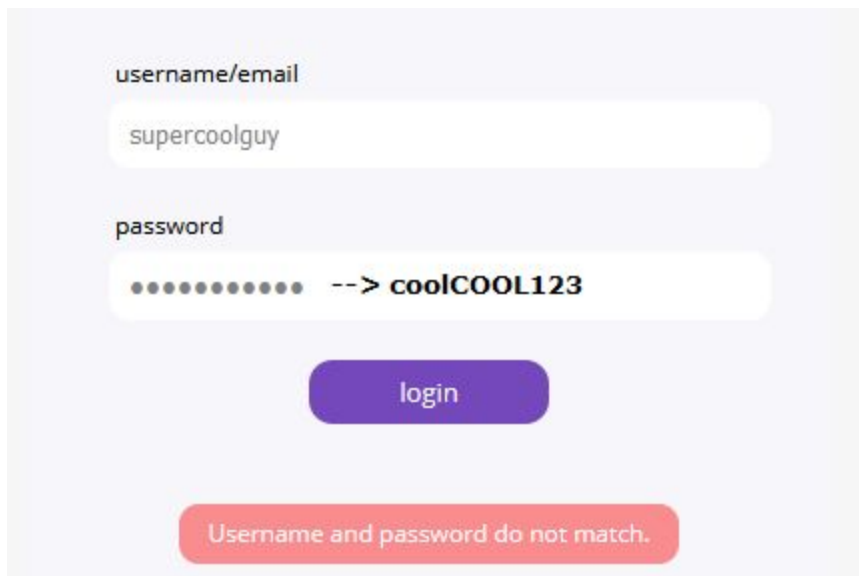
Update Settings

- After this, we can check the database and see that the settings did indeed update properly in the database.

	username	email	encrypted_password	first_name	last_name	date_joined
▶	redacted	abc123@password.org	\$2b\$12\$MNOHjG...G1...QSW003...GMM/pl	NULL	NULL	2020-11-15
	supercoolguy	NOTcool321@password.org	\$2b\$12\$/qb1A2eq.evqzLxxZQ69GOR40Ti.hG6x...	Cool	Guy	2020-11-17

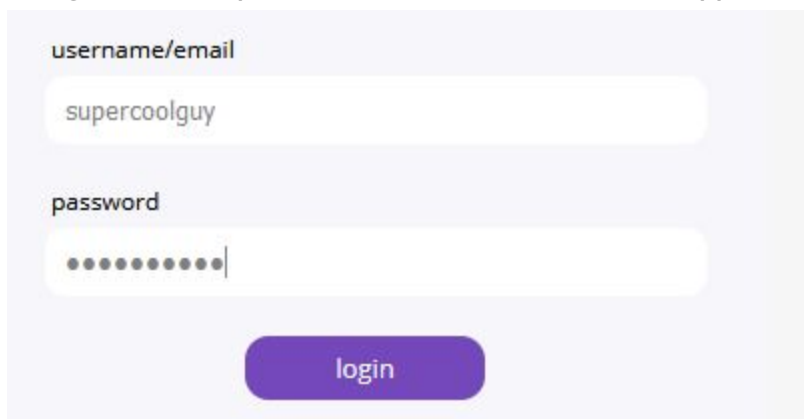
Test 13.2 -- A user should be able to log in with their changed password and not with their old password after an update using the settings page.

- Assuming the same setup as above and assuming that the same steps were taken as above, the user *supercoolguy* should have a current password *NOTcool321* and an old (invalid) password of *coolCOOL123*. We can test this by trying to log in using both of these values.
- Using the invalid password, we get a negative response.



A screenshot of a login form with a light purple background. The form has two input fields: 'username/email' containing 'supercoolguy' and 'password' containing 'coolCOOL123'. Below the password field is a purple 'login' button. At the bottom, a red error message box states 'Username and password do not match.'

- Using the correct password, we are allowed into the application.



A screenshot of a login form with a light purple background. The form has two input fields: 'username/email' containing 'supercoolguy' and 'password' containing a masked password (represented by dots). Below the password field is a purple 'login' button.

Test 13.3 -- A user should be able to change their username using the settings page in a way that updates the username on all their previous posts.

- We will start with the same user information as the end of test 13.1, but we will also create some Post and PostComment entities in the database for the start of the test.
 - Post entities:

post_id	topic_name	creator	date_created	title	content
5	no	YANKLER	2020-11-16 19:19:22	I WANT FOLLOW	WHERE IS FOLLOW
6	dogs	supercoolguy	2020-11-17 14:19:16	Banana	Here is a picture of banana dog.
7	general	supercoolguy	2020-11-17 14:56:45	What do you like?	What do you like to do? Comment below with a
* NULL	NULL	NULL	NULL	NULL	NULL

o PostComment entities:

comment_id	post_parent	user_parent	comment_parent	date_created	content	upvote_count	down
1	2	DELETED	0	2020-11-16 14:52:15	I like dragon and squid....	0	0
2	7	supercoolguy	0	2020-11-17 14:57:03	I like singing.	0	0
* NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- We will then go to the settings page and change our username like before.

Modify your settings

Enter your current password:

Enter a new password:

Enter a new username:

Enter a new email:

Update Settings

Settings updated!

- Afterwards, we can check either the frontend or the database and see that the username for both posts and comments has been updated.

o Posts:

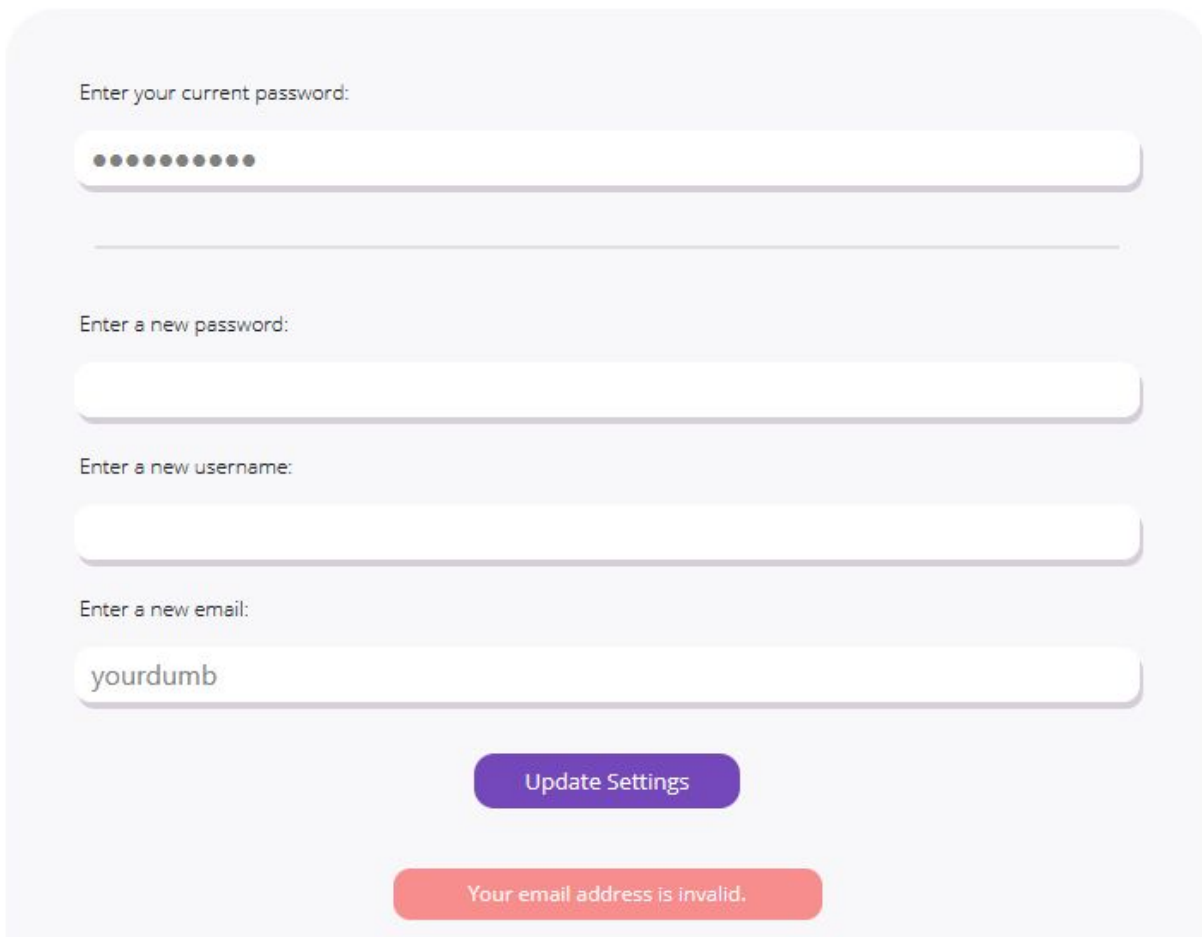
post_id	topic_name	creator	date_created	title	content
5	no	YANKLER	2020-11-16 19:19:22	I WANT FOLLOW	WHERE IS FOLLOW
6	dogs	supercoolestguy	2020-11-17 14:19:16	Banana	Here is a picture of banana dog.
7	general	supercoolestguy	2020-11-17 14:56:45	What do you like?	What do you like to do? Comment below with a
* NULL	NULL	NULL	NULL	NULL	NULL

o PostComments:

comment_id	post_parent	user_parent	comment_parent	date_created	content
1	2	DELETED	0	2020-11-16 14:52:15	I like dragon and squid....
2	7	supercoolestguy	0	2020-11-17 14:57:03	I like singing.
* NULL	NULL	NULL	NULL	NULL	NULL

Test 13.4 -- A user should not be able to change their sensitive information in a way that violates the previous conditions.

- Using the user data as it stands at the end of test 13.3, we will try to use the settings page to change the email address into something invalid (no @ character). However, as the screenshot below shows, this is prevented by the backend and an error is shown on the frontend.



The screenshot shows a user settings form on a light purple background. It contains four input fields: 'Enter your current password:', 'Enter a new password:', 'Enter a new username:', and 'Enter a new email:'. The 'Enter a new email:' field contains the text 'yourdumb'. Below the fields is a purple 'Update Settings' button. At the bottom, a red error message box states 'Your email address is invalid.'

Enter your current password:

Enter a new password:

Enter a new username:

Enter a new email:

yourdumb

Update Settings

Your email address is invalid.