

Team Members:

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3. youtube link for demo - <https://youtu.be/oip ttHZQrOs>

Implementation:

1. In part 1 we implemented the following functionalities for twitter
 - a. Registering Users
 - b. Removing Users
 - c. Logging in
 - d. Log out
 - e. Follow/subscribe to users
 - f. Tweet to followers
 - g. Search for hashtags
 - h. Search for mentions
2. In this project, we created a basic UI for the above functionalities. We used phoenix framework with vanilla JavaScript, HTML for the UI.
3. In this web page, user can register, log in, log out, search for tweets with hashtags, tweet,search for tweets with mentions.
4. A socket.js file that opens multiple websocket connections to the server and simulates the above twitter behaviour
5. The server can be accessed at localhost:4000 by a web server.
6. The below screenshot shows the UI of the webpage



Username	<input type="text" value="mike"/>	
Send Tweet	<input type="text" value="hey #DOS"/>	
Enter user to subscribe	<input type="text"/>	
Search Hashtag	<input type="text" value="#DOS"/>	
<input type="button" value="GET FEED"/>	<input type="button" value="SEARCH YOUR MENTIONS"/>	<input type="button" value="CLEAR SCREEN"/>
<input type="button" value="LOGOUT"/>		

Tweets: hi #iam

Tweets: hi #iam,hey

Tweets: hi #iam,hey,DS #DOS

Tweets: hi #iam,hey,DS #DOS,hey #DOS

Tweets with Hashtags: DS #DOS,hey #DOS

7.

How to Run

1. Navigate to the project folder
2. run the command `mix phx.server`.
3. Open a web browser and go to `localhost:4000` to open the UI
4. Register a user in the Username field and press Enter. This user is now registered.
5. Tweet using Send Tweet text field.
6. You can subscribe to other users by entering the user name in 'Enter user to subscribe' field.
7. You can search for tweets with specific hashtag using Search Hashtag field.
8. You can search for tweets with a mention of given user using Search Your Mentions field.
9. Press Logout for logging out.