

Twitter Engine Phoenix Integration

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Aim of this project is to extend the Project 4.1 (develop a Twitter clone) using web sockets from phoenix framework and simulate various use cases.

How to run

1. Unzip the folder GhodkariChowdary.zip
2. From terminal go to folder twitterengine
3. Run command “mix phx.server” this starts the server
4. Go to URL from a web browser <http://localhost:4000/>

Video URL: <https://youtu.be/be3sGACA8j4>

Following Services have implemented and Available from Project 4.1

1. Register account for user
2. Send tweet, where tweets can have hashtags and mentions
3. Users can subscribe to other user’s tweets, (followers)
4. Retweet, a user can re tweet an interesting tweet received
5. Querying of tweets with hashtags and mentions
6. Live feed of tweets available to user without querying if he is online

Implementation Details

Basic UI is created in HTML/Javascript, it’s an interface for our channels in phoenix which is connected to server.

The UI is very basic to show the functionalities of the Twitter Project 4.1


UI has following functionalities:

1. Register User: A user is registered and an entry is added to ets table present on the server side
2. Login User: we create a socket for the single user, its channel id is stored in ets table on server side to maintain its session
3. Follow: Username is written in this input whom to follow and you are added to the users following list and that user is added to your following list maintain at server side in ets table
4. Tweet: A user can post a tweet from the text field and post it to his corresponding followers

5. Retweet: A user can input the tweeted from his received tweets which can be retweeted again to send to his followers
6. Query Hashtags: It gives all the tweets which has corresponding hashtag
7. Query Mentions: It gives all the tweets which has corresponding user mention

For each user there is online feed box created at top that shows all the ongoing actions triggered by each user.

Sample Screen Shot of the webpage

 **Phoenix Framework** [Get Started](#)

Twitter Simulator

register action is completed

User logged in

user2 tweeted: 'Retweeting : Dos Projects #UF @user2 with tweetId:2'

Welcome user1

User Name

REGISTER

LOGIN

Post Tweet

TWEET