**Group Members:**

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**Instructions to run the project :**

Go inside the project directory and execute the following commands.

**Step 1:** run mix deps.get

**Step 2:** run mix escript.build , if you don’t do the step one first, then it might throw an error and then you will have to run & then do mix escript.build again.

**Step 3:** To start the server,

./twitter server

**Step 4:** In a new window, here you have two options:

* To run as interactive client
* To run as simulator.

**To run the interactive client, do the following:**

./twitter client 127.0.0.1 username

You can run as many clients as you want in separate windows.

**To run the simulator, do the following:**

mix run proj4\_1.exs a b

* a is the number of users to be registered.
* b is the number of tweet that each user has to make.

**Instructions to run the test cases :**

**Step 1:** run mix deps.get

**Step 2:** run mix escript.build , if you don’t do the step one first, then it might throw an error and then you will have to run & then do mix escript.build again.

**Step 3:** To start the server,

./twitter server

**Step 4:** In a new window run the below command

mix test --only tc:**a**

* a is the test case number
* sample run is as below

Sample Test case run:

Shashanks-MacBook-Pro:twitter sbantakal$ mix test --only tc:2

Excluding tags: [:test]

Including tags: [tc: "2"]

warning: variable "data" is unused (if the variable is not meant to be used, prefix it with an underscore)

test/twitter\_test.exs:269: TwitterTest.listenonsocket/2

warning: variable "username" is unused (if the variable is not meant to be used, prefix it with an underscore)

test/twitter\_test.exs:274: TwitterTest.listenonsocket/2

warning: variable "packet" is unused (if the variable is not meant to be used, prefix it with an underscore)

test/twitter\_test.exs:303: TwitterTest.getpreviousdatapackets/1

warning: default arguments in insertpreviousdatapackets/2 are never used

test/twitter\_test.exs:308

###################################################

Creating a 3 Users & Adding subscribers to 1 user

2

####################################################

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Finished in 1.1 seconds

7 tests, 0 failures, 6 excluded

Randomized with seed 172211

Shashanks-MacBook-Pro:twitter sbantakal$ mix test --only tc:3

Excluding tags: [:test]

Including tags: [tc: "3"]

warning: variable "data" is unused (if the variable is not meant to be used, prefix it with an underscore)

test/twitter\_test.exs:269: TwitterTest.listenonsocket/2

warning: variable "username" is unused (if the variable is not meant to be used, prefix it with an underscore)

test/twitter\_test.exs:274: TwitterTest.listenonsocket/2

warning: variable "packet" is unused (if the variable is not meant to be used, prefix it with an underscore)

test/twitter\_test.exs:303: TwitterTest.getpreviousdatapackets/1

warning: default arguments in insertpreviousdatapackets/2 are never used

test/twitter\_test.exs:308

###################################################

Creating a single user, sendinn multiple tweets with hashtags & evaluating the count

3

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Finished in 1.1 seconds

7 tests, 0 failures, 6 excluded

Randomized with seed 714426