# Lab 9 – Putting it all together

In this lab we are going to continue the tweet processing from the labs (up to 7) to do the following:

* We are now going to clean things up and make our application look like one application rather than a bunch of cobbled together labs ;)
* Requirements
  + Install program
  + Landing page
  + Field to ask for number of tweets
  + Button to read tweets into a Mongo Database
  + Fields and buttons to create CSV, XML and JSON output files from the JSON Data in the MongoDB
* User should have the ability to refresh the tweets – or maybe go live streaming? Or go get more periodically in batch? You may connect to your older functions – or not - Up to you – be creative!
* Site must be responsive
* Page should be ‘branded’ at this point
* Remember to communicate with your user
* Remember the README.md
* Have fun!

You will be graded on the following;

Objective 1 – Install/Setup/Arch : 10

Objective 2 – User Interface : 10

Creativity/Interface/Functionality : 20

Documentation/Read.me : 10