# Lab 7 – node.js, mongoDB and tweets

In this lab we are going to build on the node server we built in lab 5 & 6 to do the following:

Add to the HTML page, additional buttons and one additional input field

* Build tweet Database - will build a mongoDB and populate it with tweets from the twitter API, as we did when we created the tweets.json file in labs 5 & 6. (Same search and quantity options)
* Read Tweets - read the tweets from the database and display as in lab 1/5/6, but with additional styling
* Add xml to your list of output formats and read from the MongoDB and create a basic XML/CSV/JSON file using the name from the new input field and the extension .xml/.csv/.json
* Button: Reset the page and start over allowing for a new search and file

You may need to modify your app so that you no longer stream tweets to the screen. Read them into the database and then display them.

For example;

* Query info and quantity – button for ‘get data’
* Button for display tweets – read from database and display tweets
* Dropdown with export formats, new input field for file name – button for ‘export’
* Button for reset form

Make sure you allow for error handling

Continue ‘branding’ your page

Remember to communicate with your user

Remember the README.md

Be Creative!

Have fun!

You will be graded on the following;

Formatting and coding quality : 10

Objective 1 – mongoDB : 10

Objective 2 – HTML forms (in&out) : 10

Creativity/Coding style : 10

Documentation/Read.me : 10

Hint – you will need to install mongodb package in node

$ npm install mongodb