

## **CAS CS591-MEAN**

### **Homework assignment 1**

**Due: Tuesday 6 June EOD**

You have enough tools now to create a simple back-end server. In this assignment you'll do just that, and post your project to your GitHub repo.

### **Requirements**

1. Build a Node/Express application. The app must have:
  - a. An instance of `express.Router` in a separate route file that is mounted on the path `/hw1` (i.e. `app.use('/hw1',...)`)
  - b. A route using the GET method that uses a named parameter. The response should be a JSON object that includes the original parameter and the length of the parameter. For example, on the URI `'/hw1/short'` the response should be `{“string”: “short”, “length”: 5}`.
  - c. A route using the POST method that returns a similar response as b. above but gets its parameter from the request body.
2. Create a GitHub repository and upload your homework files to it. Place the project in a directory called `HW1`. Note: You should create a `.gitignore` file that will exclude files in `/node_modules` to avoid pushing lots of extraneous files.
3. Submit the URL for your GitHub repo on Blackboard to complete the assignment.

A few notes. The quickest way to set up a project is by using `express-generator`. No HTML page is required for the assignment, however if you want to set one or two up with Handlebars or EJS or some other templating engine, that's fine. You'll probably want to use Postman to exercise your application.