

## CAS CS412 Homework assignment 1

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. We haven't gone over all of the moving parts in class yet, so you'll need to do a little research on your own. If you get stuck, post a note on Piazza.

### 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', ...)`). If you are using `express-generator` or `Webstorm` to set up an empty project, you'll find example routes in the `/routes` folder. Probably the easiest approach is to modify one of those files.
  - b. A route using the GET method that returns a fixed string, which can be anything that you like. The response itself should be a JSON object with one key/value pair, such as `{string: 'Hey now'}`.
  - c. A route using the POST method that returns a similar response as b. above but gets its parameter from the request body rather than the URL string. To test this from Postman, select POST as the method, then click the Body tab. Your input parameter should be an `x-www-form-urlencoded` string.
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` or directly from `Webstorm`. 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 to play with, that's fine. Use `Postman` to exercise your application.