CSCI 301 Survey of Scripting Languages
Fall 2017
Lab 7 - Express GET and POST routes

Objective: To learn about routing in web applications.

Instructions:

1. Update your cloned fork of https://github.com/csu-cs/csci-301-fall-2017

   ```
   $ git pull upstream master
   ```

2. Navigate into the express-sample directory of your repo.

   ```
   $ cd src/js/express-sample/
   ```

3. Install the app's dependencies using npm.

   ```
   $ npm install
   ```

4. Run the app and verify you can see the index view in a browser at http://localhost:3000

   ```
   $ node app.js
   ```

5. Use the code in this sample express app to complete the following in the ToDo app:
6. Add a hardcoded array of 3 or 4 Task objects. Refer to the term project description on GitHub for the structure of a Task object and the sample code for the syntax.
7. Add an http GET route to handle requests to the root of the app, i.e. '/'. This route should have a callback function that renders the index view which displays a list of the tasks you coded in the previous step.
8. Add a form to your index view for creating new Task objects. Add text fields for the parts of a Task. Refer to the sample code for the structure of the html. You do not have to add any form validation.
9. Add an http POST route to handle the form posts. This route should have a callback function that creates a new Task in memory from the data submitted in the form. Add a console.log to display the new Task object in the terminal.
10. Commit your changes locally.

    ```
    $ git add .
    $ git commit -m "lab 7"
    ```

11. Push your code changes to GitHub.

    ```
    $ git push origin master
    ```

12. Update your deployed app on Heroku.

    ```
    $ git push heroku master
    ```

Due: Wednesday, November 8, 11:59 PM

Note: If you get stuck, refer to the video from class on 10/30/2017. This tutorial may also help: https://scotch.io/tutorials/build-a-restful-api-using-node-and-express-4