Lab 4

Due Oct 14, 2016 by 5pm **Points** 100 **Submitting** a file upload

CS-546 Lab 4

About Me API

For this lab, you will create a simple server that implements several routes and follows the patterns and organization from the [lecture_5 (https://github.com/Stevens-CS546/CS-546-WS-Summer-1/tree/master/Lecture%20Code/lecture_5)](https://github.com/Stevens-CS546/CS-546-WS-Summer-1/tree/master/Lecture%20Code/lecture_5) application.

You will be creating several routes that give information about yourself.

Packages you will use:

You will use the **express** package as your server.

You can read up on [express (http://expressjs.com/)](http://expressjs.com/) on its home page. Specifically, you may find the [API Guide section on requests (http://expressjs.com/en/4x/api.html#req)](http://expressjs.com/en/4x/api.html#req) useful.

You may use the [lecture 5 code (https://github.com/Stevens-CS546/CS-546-WS-Summer-1/tree/master/Lecture%20Code/lecture_5)](https://github.com/Stevens-CS546/CS-546-WS-Summer-1/tree/master/Lecture%20Code/lecture_5) as a guide.

You must save all dependencies to your package.json file

Your response

All valid responses should return a 200 status code and JSON in the format of:

```
{
  information: "The requested info"
}
```

The information provided depends on the route

All invalid responses should return a 404 status code if they were trying to access nonexistant resources, or a 500 status code if an internal error occurred.

Your Routes

path	description
`/education`	Returns a list of all the schools you attended
`/education/highschool`	Returns the name of the high school you went to
`/education/undergrad`	Returns the name of the undegrad school you went to, and the degree you received (or will receive)

path	description
`/hobbies`	Returns a list of your hobbies; *only returns their names*
`/hobbies/:hobby`	Returns additional information about the hobby provided in the `hobby` param.
`/classes`	Returns a list of the course codes for 5+ classes you have taken
`/classes/details?code={course code}`	**Using a querystring parameter for the course code**, show details on that course (name, professor, description

Requirements

1. You **must not submit** your node_modules folder
2. You **must remember** to save your dependencies to your package.json folder
3. You must do basic error checking in each function
    1. Check for arguments existing and of proper type.
    2. Throw if anything is out of bounds (ie, trying to perform an incalculable math operation or accessing data that does not exist)
    3. If a function should return a promise, instead of throwing you should return a rejected promise.

4. You **must remember** to update your package.json file to set `app.js` as your starting script!