Lab 5

Due Mar 8, 2023 by 11:59pm   **Points** 100   **Submitting** a file upload

---

CS-546 Lab 5

JSON Routes

For this lab, you will create a simple server that will provide data from a server.

For this lab, you will not need to use a database. You can store your data right in your routes, as local variables.

You can download the starter template here: [lab5_stub.zip](https://sit.instructure.com/courses/64637/files/11251291?wrap=1) ⬇ **[(https://sit.instructure.com/courses/64637/files/11251291?wrap=1)](https://sit.instructure.com/courses/64637/files/11251291/download?download_frd=1) PLEASE NOTE: THE STUB DOES NOT INCLUDE THE PACKAGE.JSON FILE. YOU WILL NEED TO CREATE IT! DO NOT FORGET TO ADD THE START COMMAND AND "type": "module". DO NOT ADD ANY OTHER FILE OR FOLDER APART FROM PACKAGE.JSON FILE.**

General Notes

Lecture videos and demos tend to show JSON as "pretty", but your browser may not natively do that -- that's fine!

There are extensions for most major browsers that add that functionality, such as:

1. **[JSONView for Firefox](https://addons.mozilla.org/en-US/firefox/addon/jsonview/) (https://addons.mozilla.org/en-US/firefox/addon/jsonview/)**
2. **[JSONView for Chrome](https://chrome.google.com/webstore/detail/jsonview/chklaanhfefbnpoihckbnefhakgolnmc?hl=en) (https://chrome.google.com/webstore/detail/jsonview/chklaanhfefbnpoihckbnefhakgolnmc?hl=en)**

In addition to that, you probably won't see the actual line breaks, and will see the `\n` character in your JSON -- this is normal, and expected.

Your routes

`/aboutme`

When making a GET request to `http://localhost:3000/aboutme`, this route will return JSON in the following structure (with your own information):

```
{
  "firstName": "Your First Name",
  "lastName": "Your Last Name",
  "biography": "2 biography paragraphs separated by a new line character (\n).",
  "favoriteMovies": ["array", "of", "favorite", "movies"],
```

```
   "hobbies": ["array", "of", "hobbies"],
   "fondestMemory": "One of your fondest memories from your life as far"
 }
```

`/mystory`

When making a GET request to `http://localhost:3000/mystory`, this route will return the following JSON:

```
{
  "storyTitle": "Story Title",
  "storyGenre": "Story Genre i.e. Horror, Fiction, Non-Fiction, biographical",
  "story": "Your creative story.\nSimply use line breaks for paragraphs.\nLike this."
}
```

`/educationhistory`

When making a GET request to `http://localhost:3000/educationhistory`, this route will will return JSON in the following structure (with your own information):

```
[
    {
      "schoolName": "First School Name",
      "degreeEarned": "First School Degree",
      "numberOfYearsAttended": number,
      "favoriteClasses": ["array", "of", "favorite", "classes"],
      "favoriteSchoolMemory": "A memorable memory from your time in that school"
    }
]
```

Make sure to include at least 3 schools. For your degreeEarned, If you list your High School, then for the degreeEarned field just use `H.S. Diploma` as the value.

Packages you will use:

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

You can read up on **express (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)** useful.

You may use the **lecture 5 code (https://github.com/stevens-cs546-cs554/CS-546/tree/master/lecture_05)** as a guide.

You must save all dependencies to your package.json file

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 remember** to update your package.json file to set `app.js` as your starting script!
4. You **must** submit a zip, or you will lose points, named in the following format:
   `LastName_FirstName_CS546_SECTION.zip.`

Lab 5

Criteria	Ratings		Pts
/aboutme You MUST return the DATA exactly as shown, naming a key wrong, having the wrong output, will result in the full points off for the route. Even if you have a typo/naming in a single key name wrong will result in FULL points for the function off.	**33.33 pts** **Full** **Marks**	**0 pts** **No** **Marks**	33.33 pts
/mystory You MUST return the DATA exactly as shown, naming a key wrong, having the wrong output, will result in the full points off for the route. Even if you have a typo/naming in a single key name wrong will result in FULL points for the function off.	**33.33 pts** **Full** **Marks**	**0 pts** **No** **Marks**	33.33 pts
/educationhistory You MUST return the DATA exactly as shown, naming a key wrong, having the wrong output, will result in the full points off for the route. Even if you have a typo/naming in a single key name wrong will result in FULL points for the function off.	**33.34 pts** **Full** **Marks**	**0 pts** **No** **Marks**	33.34 pts

Total Points: 100