

Lab 5

[New Attempt](#)

Due Mar 8 by 11:59pm **Points** 100 **Submitting** a file upload **File Types** zip

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/64568/files/11251312?wrap=1>)_ 


(https://sit.instructure.com/courses/64568/files/11251312/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  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 \(http://expressjs.com/\)](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 \(https://github.com/stevens-cs546-cs554/CS-546/tree/master/lecture_05\)](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
<p>/aboutme</p> <p>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.</p>	33.33 pts Full Marks	0 pts No Marks	33.33 pts
<p>/mystory</p> <p>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.</p>	33.33 pts Full Marks	0 pts No Marks	33.33 pts
<p>/educationhistory</p> <p>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.</p>	33.34 pts Full Marks	0 pts No Marks	33.34 pts
Total Points: 100			