

How to Run the Team Project

About

This document will give instructions on how to run the team project after the GitHub repository was restructured to include a frontend and backend folder. Note that this document will assume that all terminal commands are performed in bash. If you are on Windows, these commands should be able to be executed in Git Bash.

Getting the New Code

After the restructure of the the GitHub repository, you will no longer need to have the root of your local repository be in the src folder of the project. The restructured repository now includes all files pertaining to the project instead of only containing files pertaining to the src folder.

As a result, the easiest method is just to clone the project again. In a different location than the old project, perform the following command:

```
git clone https://github.com/tmcdaniel511/EE461L-Team-Project.  
git
```

I suggest not deleting the old project for now just in case there are changes that are only in your local repository but not in the remote repository. By deleting the old project, you will lose those changes.

Running the Backend

In order to start the backend, you only need to do the following:

1. Within the root folder of the project, go into the backend folder with the following command:

```
cd backend
```

2. Run the following command:

```
nodemon server
```

- a. If it shows that this is an invalid command, install nodemon through the following command:
-

```
npm install -g nodemon
```

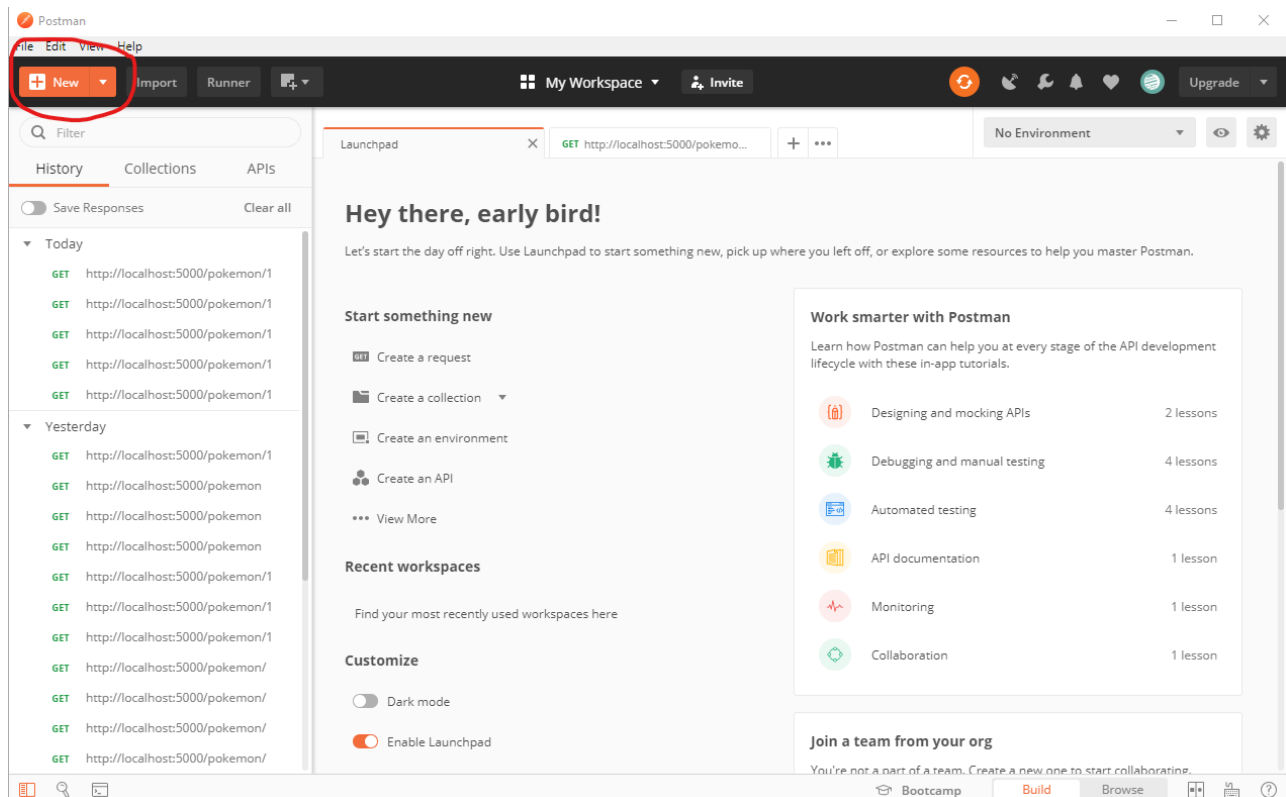
In essence, nodemon is a utility that I find really useful because it will run npm start and other npm scripts anytime any document in the backend portion of the project is changed.

b. After running this command, you should see the following on your terminal:

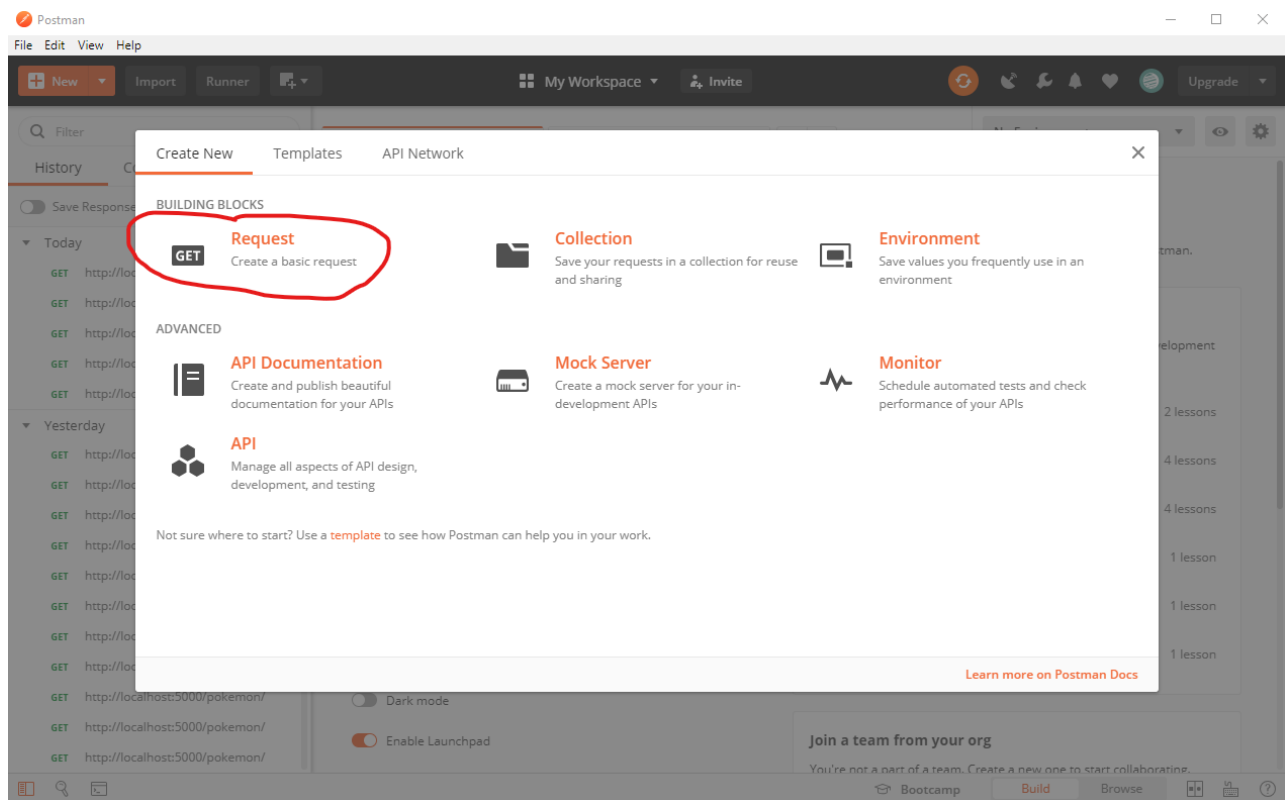
```
tmcd@DESKTOP-T0HHOVI MINGW64 ~/Desktop/EE461L-Team-Project/backend (tristan)
$ nodemon server
[nodemon] 2.0.2
[nodemon] to restart at any time, enter `rs`
[nodemon] watching dir(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node server.js`
Server is running on port: 5000
MongoDB database connection established successfully
```

3. Test that the backend is working properly by trying out one of the backend URL's for getting Pokemon data from the database. To do this, use Postman (<https://www.postman.com/>) and do the following:

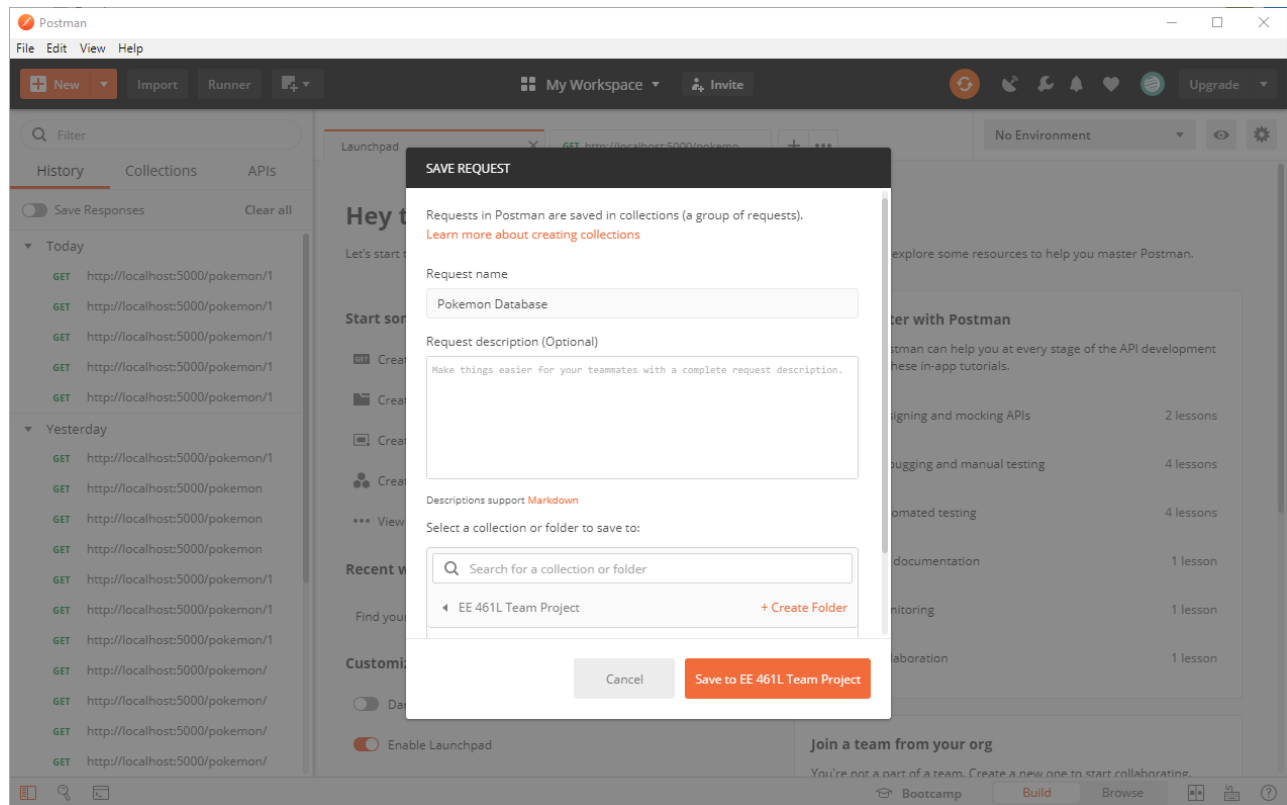
a. Click "New" in the upper-left corner:



b. Click “Request” in the pop-up window:



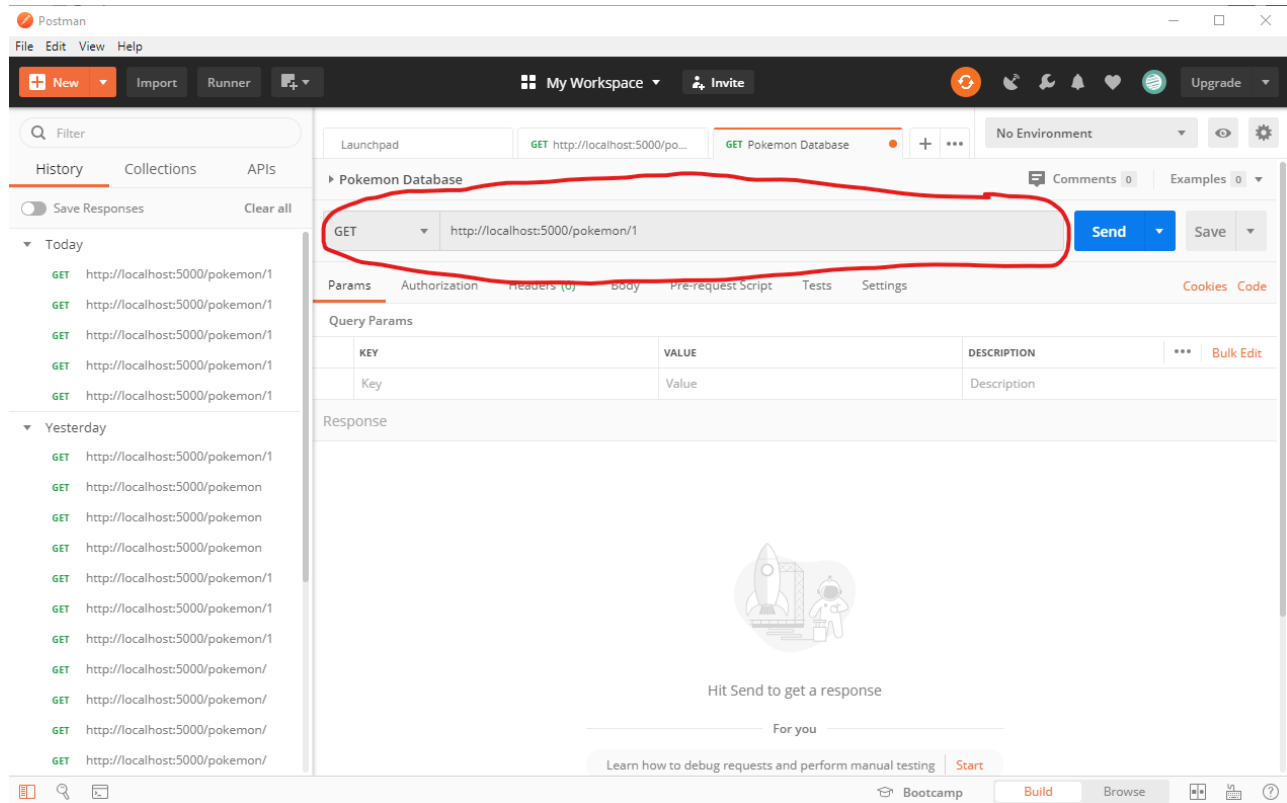
c. Give the request a name and select a collection for it to be in. For this, I named the request “Pokemon Database” and put it into a collection named “EE 461L Team Project”. Then click “Save to <Collection_Name>”:



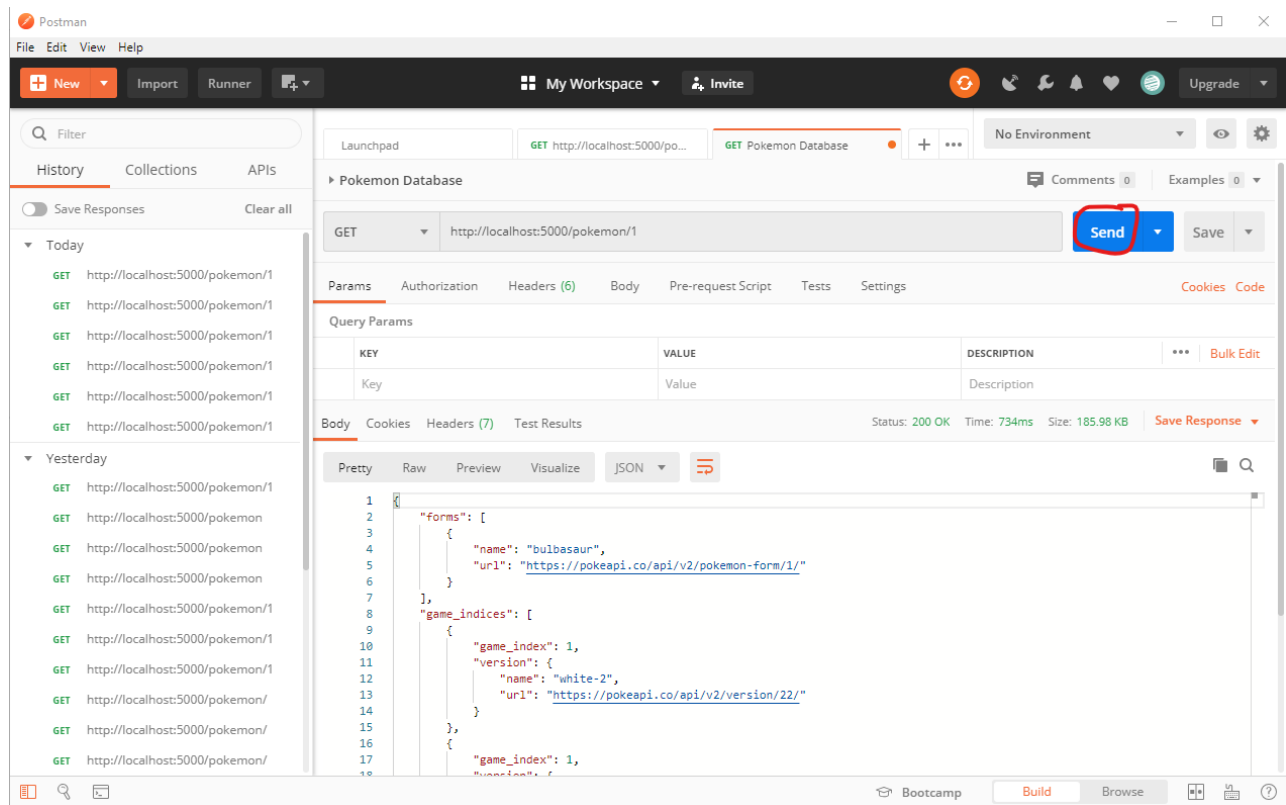
d. Now you will get to the page where you will put in your requests. Leave the request type as a Get request and then type:

```
http://localhost:5000/pokemon/1
```

like the following:



e. After clicking “Send”, you should see something like the following appear. If so, then the backend is successfully running.



Running the Frontend

In order to start the frontend, you need to do the following:

1. Within the root folder of the project, go into the frontend folder with the following command:

```
cd frontend
```

2. Run the following command to reinstall the node modules. This should only be done during the first time of running the frontend after the clone and if you ever get any npm errors due to a module not being present or a ELIFECYCLE error occurs.

```
rm -rf node_modules && npm install
```

3. Now run the following command:

```
npm start
```

At this point, your browser should open and you should see our beautiful website.