BSI-lims Students Project implementation and configuration in react & node-js environment

Table of Contents

[Downloding the project from git repo 3](#_Toc534705554)

[Preparing to Lunch 5](#_Toc534705555)

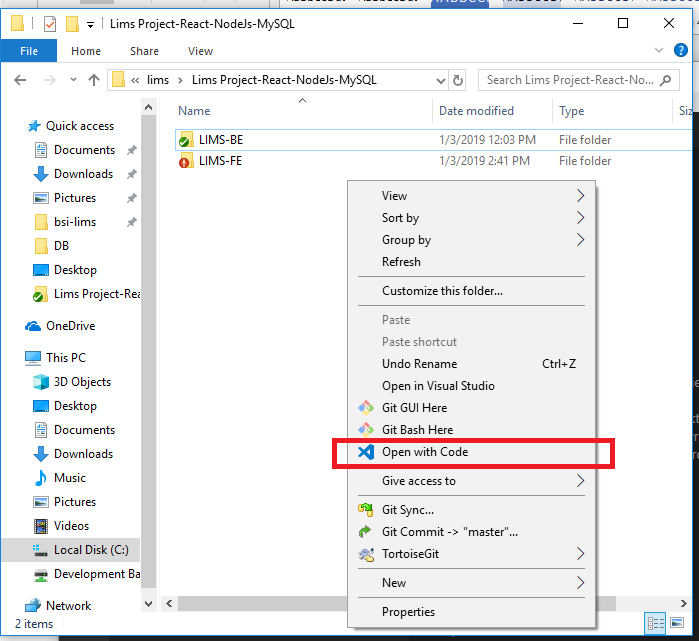
[Adding more tests to lims 8](#_Toc534705556)

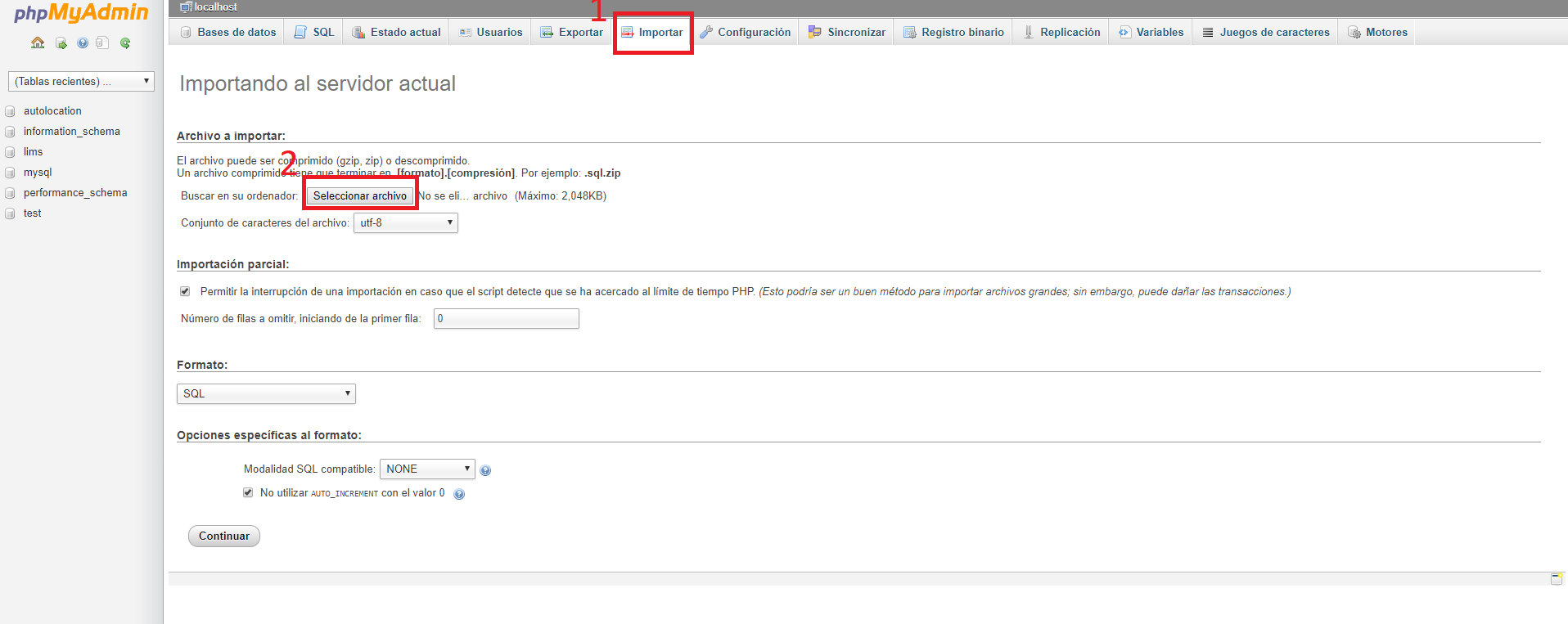
[deleting tests to lims 10](#_Toc534705557)

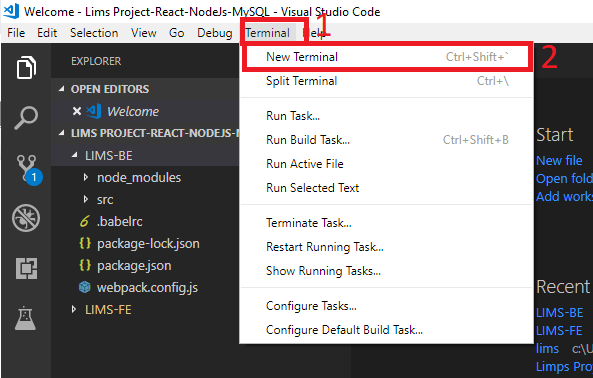
How to configure the project for local testing

# Downloding the project from git repo

If you do not have the git repo installed, you should follow next steps:

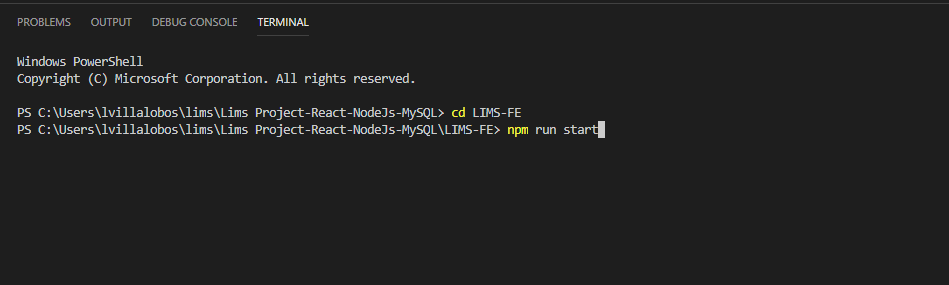
1. Open git
2. git clone https://bsistudents@bitbucket.org/bsistudents/master.git
3. Open the Project in File Explorer
4. Right Click and open them with Visual Studio Code
5. Make sure that you download the database as well and import it to your MySQL Manager of Choice (example, MyPHP Admin, MySQL Workbench). The file is in the Repo as well (\lims\Lims Project-React-NodeJs-MySQL\LIMS-BE\Creation.sql)**.**



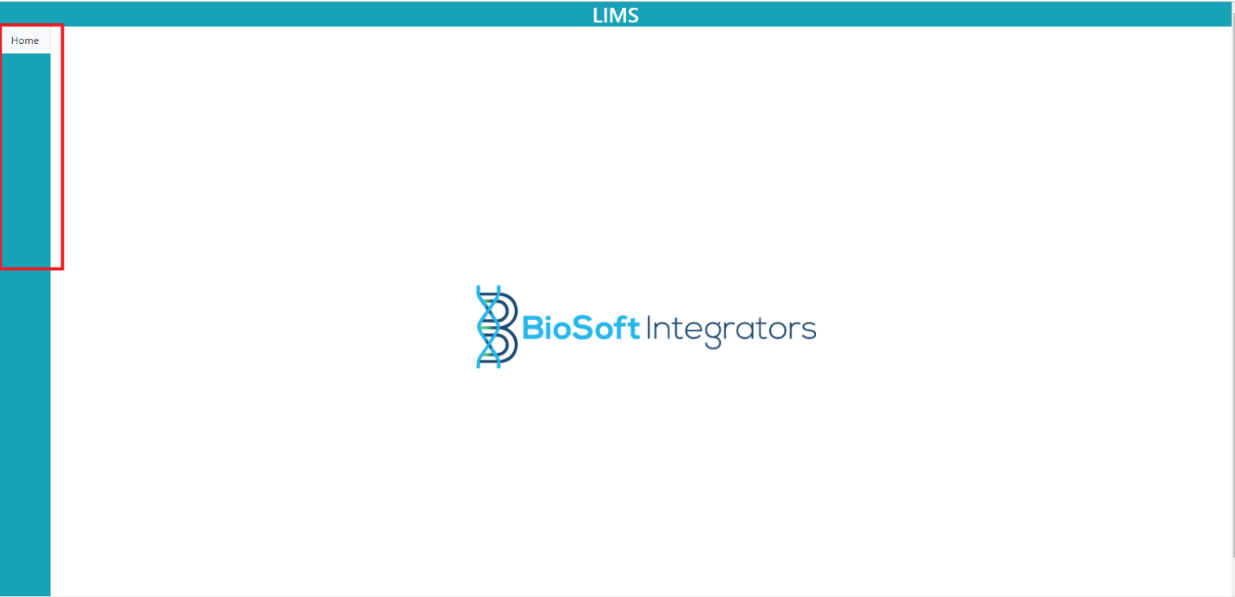
1. Once open navigate to Terminal->New Terminal

# Preparing to Lunch

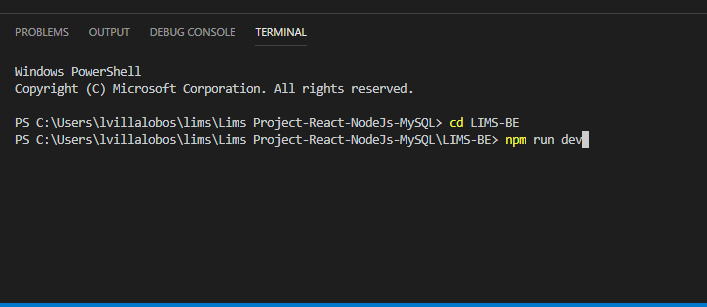
1. To get started install React by going inside the “LIMS-FE” and “LIMS-front” with the CD command and type in each project directory “npm i”.
2. In order to run your React app we need to install some dependency, to do this you need to run “npm I React” and “nmp I axios” (in the LIMS-front directory).
3. Now in terminal get in the folder LIMS-FE with the command “cd LIMS-FE”, now to lunch the React APP with the command “npm run start”.



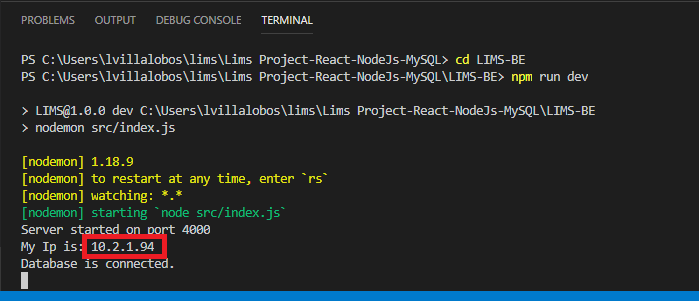
1. It will lunch the website in your “localhost:3000”, notice that the menu doesnt have any items attach to it that’s because we havent run the back-end of our application, to do the testing you need to manually type your current ip address to know your current ip address you can lunch the back-end application and in the terminal it will show it to you, follow the next step for this configuration.



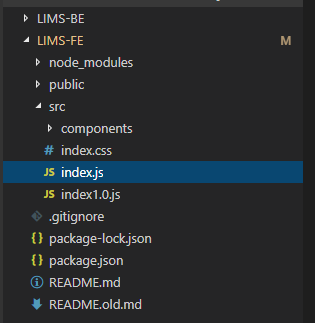
1. Open a new Terminal and get into the LIMS-BE that is our back-end application with the command CD “LIMS-BE” followed by the next command “npc run dev” with this you will lunch the backend application.
2. Open a new Terminal and get into the LIMS-BE that is our back-end application with the command CD “LIMS-BE” followed by the next command “npc run dev” with this you will lunch the backend application.

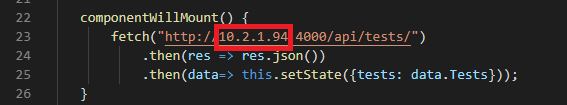


1. In this console you will notice that it gives you the ip that we need back in step 8, you can copy this ip so we can paste it in the configuration page.



1. Open LIMS-FE -> src -> index.js



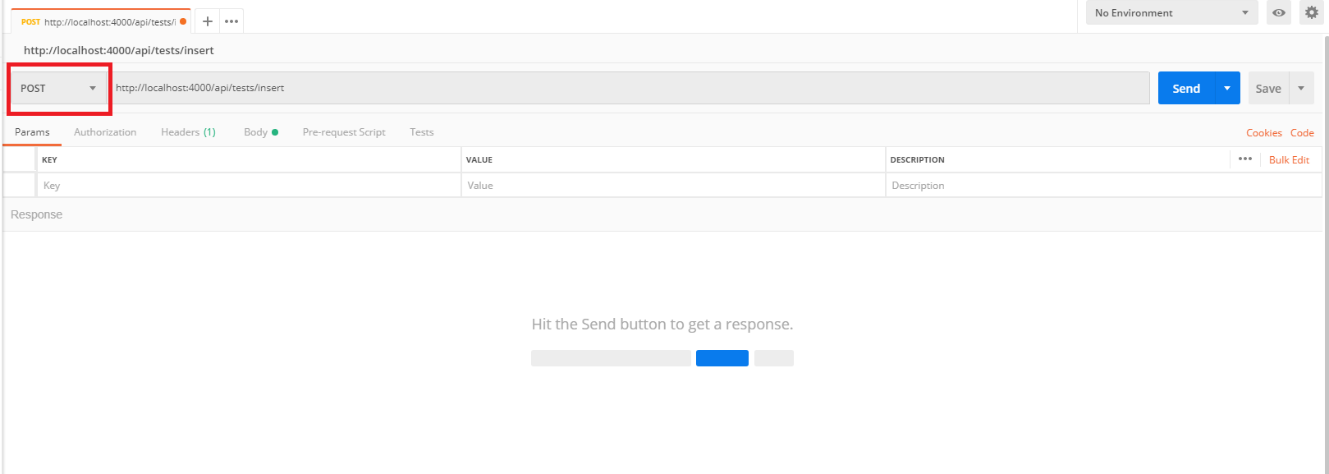
1. You can replace the ip here in line 23 with your own ip. 
2. Now the server is running and the connection with the front end its established we can reload our page on local host:300 and notice the menu its updated.



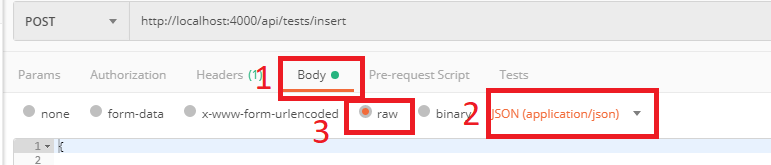
# Adding more tests to lims

The way it's configured at the moment uses the api created in React as an input method we can lunch Postman app and insert the data that way.

1. Lunch Postman.
2. Select the POST method.



1. Type in the url for inserting data in to our database “ http://localhost:4000/api/tests/insert ”, in this case the Test Table.
2. Select the Body option on the sub menu -> then select JSON format with the RAW option selected.



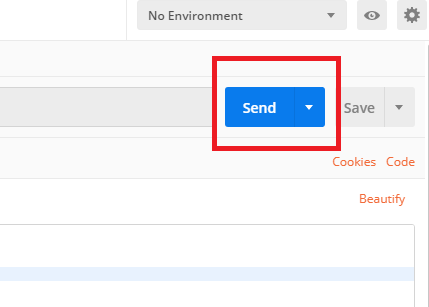
1. To send the data to our database we are going to insert it the following json:

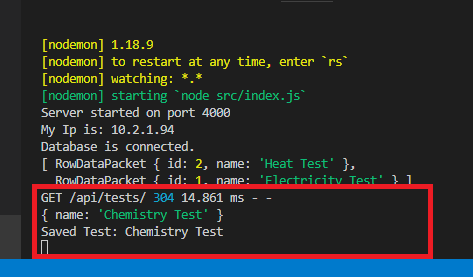
{

"name" : "Chemistry Test"

}

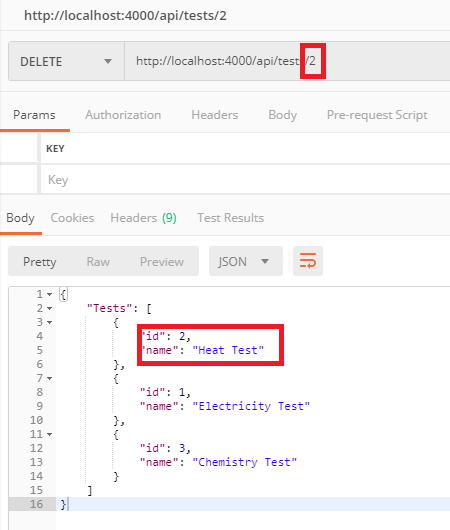
1. Click in the Send button to make the insert and we can se the confirmation in the Terminal in our visual Studio Code.





# deleting tests to lims

1. Open Postman and type [http://localhost:4000/api/tests/{id}](http://localhost:4000/api/tests/%7bid%7d) the {id} is the primary key of the test you want to delete for example if you want to delete the “Heat Test” it would be <http://localhost:4000/api/tests/2>.



1. Select the DELETE option type the correct URL and SEND.

