# **TP: Queen Songs (part 2)**

**Introduction**

You will need these tools to complete this TP:

- Node.js and NPM

- Visual Studio Code

Everything else will be installed using NPM.

**Provided files**

In addition to this subject, these are provided for you inside the zip:

- the PowerPoint of this course.

- an API folder, containing an API which will send you back the songs depending on what you typed

**Setup**

You should continue the project you were working on until last Saturday. But this time, you will have to use the API. To use it:

* Open a cmd/shell inside this folder
* Type *npm install*
* Type *node ./server.js*

This will launch an API listening on port 8081.

You can remove the song.js and the bootstrap.min.css files from your project.

**Project**

For this part, you will have to:

* Continue/finish/polish your project. This time, you know the good practices, so apply them!
* You will have to add tests to your projects! A project without tests will not score very high…
* More importantly, you will not use a local array for your songs anymore: you will have to call the API using this URL: [***http://localhost:8081/[PART\_OF\_SONG***](http://localhost:8081/%5bPART_OF_SONG)***]***. This API can return:
  + An error if you search for an empty string
  + 200 with the matching songs in an array
  + 204 with nothing (no songs were found)

For calling the API, you will have to use **AXIOS** to perform a **GET** AJAX call. You will need to install axios using NPM. Be careful to install it correctly!

**What you should NOT do in ANY case!**

**Any of these will give you an unconditional 0:**

- using any library which is not explicitly needed/mentioned. **Even unused packages won’t be tolerated!**

- not using React to develop your application

- not using axios to perform your AJAX requests

- impossibility for us to install and build your project using “npm install” and “npm start”

- checking-in/sending us the node\_modules folder

- forgetting to send your project to me or Mr. DELMOTTE

- cheating, obviously…

**What you should send to us**

You just need to send your Website content to [wpersechini@adlere.fr](mailto:wpersechini@adlere.fr) **AND** [jdelmotte@adlere.fr](mailto:jdelmotte@adlere.fr).

You can:

* Send us a link to your git repository
* Send us a WeTransfer link to a zip file containing your code.

In both cases, do not include or check-in your node\_modules folder!

You can keep the same group as before. The due date is Saturday, 29th of December.

# **The Show must go on!**