# **TP: Queen Songs (part 1)**

**Introduction**

You will need these tools to complete this TP:

- Node.js and NPM

- Visual Studio Code

- You will need some plugins, we will talk about them during TP!

Everything else will be installed using NPM

**Provided files**

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

- the PowerPoint of this course.

- a songs.js file which contains an array of all songs recorded by one of the greatest bands of all time (try to guess which one…). You must not modify this file in any case.

- a bootstrap.min.css file, to help you design your website if you feel like it. You must not modify this file in any case.

**Setup**

You will need to install your environment using the create-react-app command. Setting up your environment yourself will not be tolerated.

Remember the commands:

*create-react-app .*

*npm start*

**Project**

You will need to create a simple interface composed of:

* An input field. When you will type something inside this field, you will display under it an autocompleted list of songs containing what you typed. All the songs are defined in the provided songs.js file.
* When you click on one song from the autocompletion list, it will select the song and add it in a list you need to display elsewhere in your page.
* When you click on a song already selected (whether from the autocompletion list or your selected songs list), it will unselect the song.
* Finally, you will need to add a button Validate which will display all the songs you have selected in an alert, separated by “, “.

All the design/ergonomics choices are all yours, as usual. Everything must be developed using React.

**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 create-react-app to setup your website

- modifying bootstrap.min.css or songs.js files

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

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

**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!

# **Have a good time!**