

# Web Project

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## Description

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FoodESIEA is a web site that help ESIEA Paris school's students to choose a place to eat during lunch or at night. We wanted to realize this project since a long time and this class was a good opportunity for us to make real.

Each user can make a list of his favourites places and rate them. The places are ranked with a grade ranging from one to ten. The users can also delete a place they do not want in their list anymore by choosing the row of array corresponding to the restaurant the want to remove from de list.

Interfaces are built with HTML, CSS and Vue.js, we used Atom as an IDE and then we switch on Glitch. About the web server, he is built with Node.js and Express. Like Vue.js, both of them was new for us and we had to learn how to use them from scratch.

The array we are creating can be updating and we can also delete some rows or all of them but the header. The CRUD interaction with the server was not easy for us but we will write about this later.

We do have a user authentication with a login form but you can not create a new profile. The username and the password and fixed (user/user). We could have used a database to store the login's data and add new users to it but the use of databases was not allowed.

We deployed our website with Glitch.com, this tool was really useful for us and help us with the Node.js and the Express' part.

## Making our web site

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Making FoodESIEA was fun but not easy. We needed a little reminder about web programming (HTML, CSS and Javascript).

Then we started thinking about an idea for our web site and we found FoodESIEA so we started making it.

Firstly, we started with the HTML and CSS' part, we wanted something simple, smoothed and easy to use for everyone. With our bases, we were able to finish this part quickly.

Secondly, we made the Vue.js script. This framework was new for us and we had to make some changes in our HTML files. But after we mastered it, this tool was useful for us. We used Vue.js for our table of restaurants and rates.

Lastly, we made the Node.js and Express' part directly on Glitch because it was a gain of time and easier to use and understand from here. This part was the longest one and took us one week to understand the frameworks, write the code, make some changes and debug the code.

But at the end, FoodESIEA was deployed and ready to use from any devices.

## Issues we encountered

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All the issues we had was from our lack of experiences on technologies we were using, whether it is from Node.js, Express or Vue.js.

Firstly, we did not understand what Node.js was made for so it was impossible for us to use it if we did not understand his aim. We found out that Node.js was easier then expected. It was the same issues with Express since both are linked.

About Vue.js the problem was that we started building FoodESIEA with HTML and CSS so we did not need Vue.js. But when we realized that Vue.js was mandatory, we had to implement it. So, some changes were needed on HTML files.

In our HTML files, we want a table or restaurants and rates. So, we decided to fill it with a Vue. But in our Vue we have two arrays, one for the restaurants and one for the rates. When we wanted to use a v-for to allocate to each cases of our table the content, both (the Vue and the table) was not compatible. So, we had to create two table, one for the places and one for the rates, and we put them side by side to have a two columns table.