

Just Do It : Milestone 2

14/03/2022
Web Programming

- *Sitbon Rahamime*
- *Baranès Keenan*
- *Brumelot Noé*

The Project's Front End

As of right now, we currently have a Login Page, on this page the User can either log into his account or create one if he doesn't have any yet. He will then gain access to the To-Do-List associated to his account.

This page is built in a simple manner: 3 text-inputs are placed in a box with a button on the bottom. The inputs are the Username, the E-Mail, and the Password. After filling up the inputs and clicking the submit button, entered data is sent to the server so his register is complete.

The user that is already registered can log into his account using a similar page, 2 text-inputs, a username and a password are required in order to find the account in our Database and provide security to the user's information.

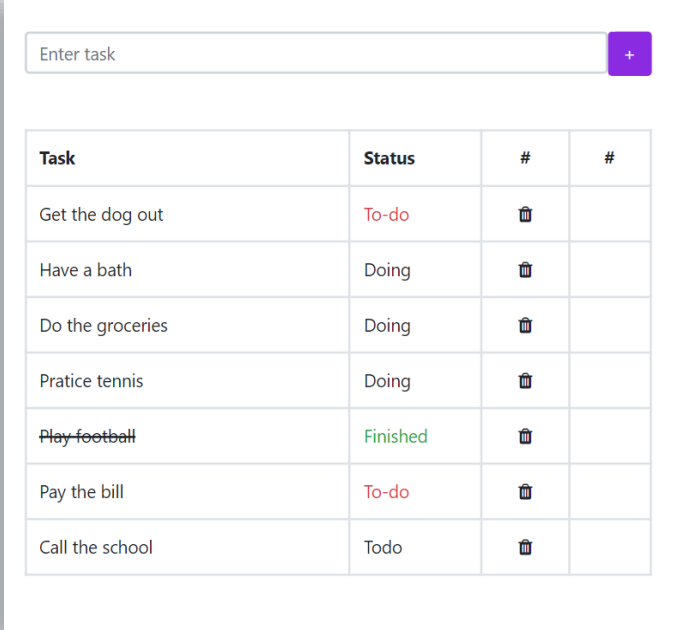
The To-Do-List itself

After login into his account, the user will finally be able to access his To-Do-List to modify it. The List itself is a drop-down table on which the task added will be placed above the latest one.

A text-input block is there so the user can enter new tasks by simply entering them and pressing the "+" button on the side of the block.

Once the task his added, the user will be able at any time to modify their state directly by clicking on it.

On the header the user will find a Log Out button to disconnect from his To-Do-List and his account at the same time. He'll then be redirected to the Login page.



Task	Status	#	#
Get the dog out	To-do		
Have a bath	Doing		
Do the groceries	Doing		
Pratice tennis	Doing		
Play football	Finished		
Pay the bill	To-do		
Call the school	Todo		

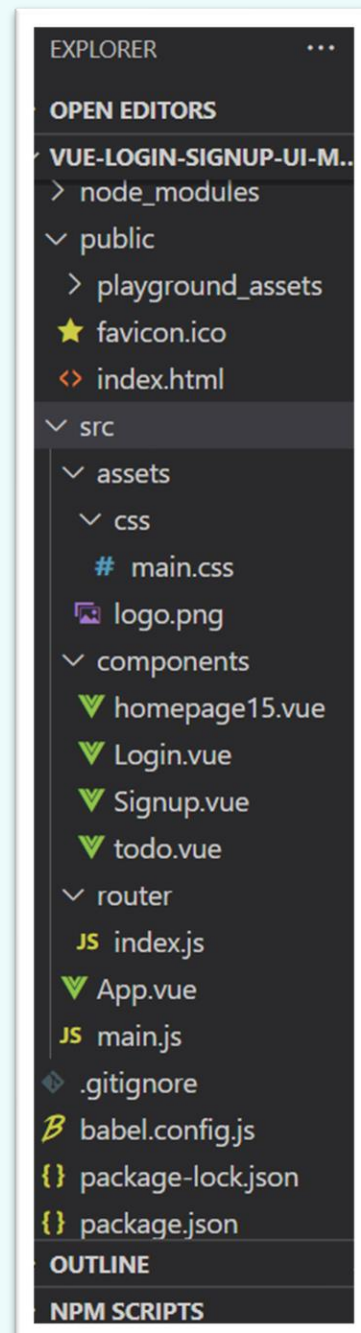
Building the Project

We built the whole project using NPM which is the default package management system of JavaScript Node.js.

It puts modules in place so that nod can find them, and it manages dependency conflicts intelligently. It is extremely configurable to support a wide variety of use cases. It is most used to discover, install, and develop node programs.

To initialize the project on the device, we used the Command Line Input of Windows aka CLI. After entering “npm init” in the command line and answering a few questions, the project is built.

Our project is built around different components distributed in our different pages as well as path between the pages located in the Router. The .vue files define the Single File Components which will be reusable and will permit the well understanding of the project. Those files encapsulate the JavaScript, the template et the CSS of their components.



The API

As of right now, our API is local for the Front End and the Back End. Our Database is currently linked to our Front End. So, now even tho the Database is linked to the Front End, we cannot make them interact yet. To counter that we put a link to the To-Do-List in the code so that we can access it even tho we don't open the users' specific ones.

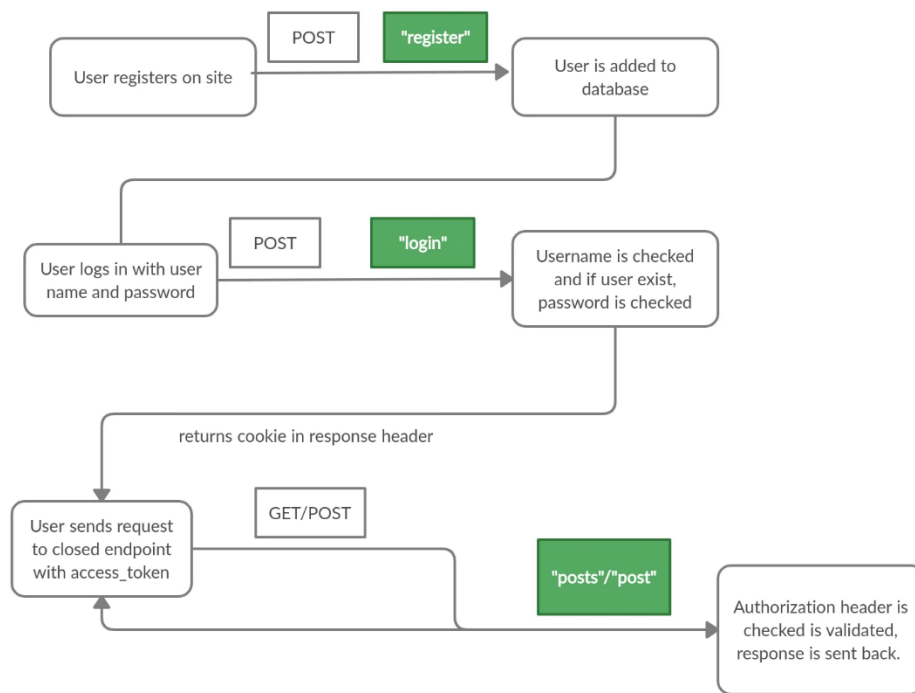


Figure 1: Business Layer

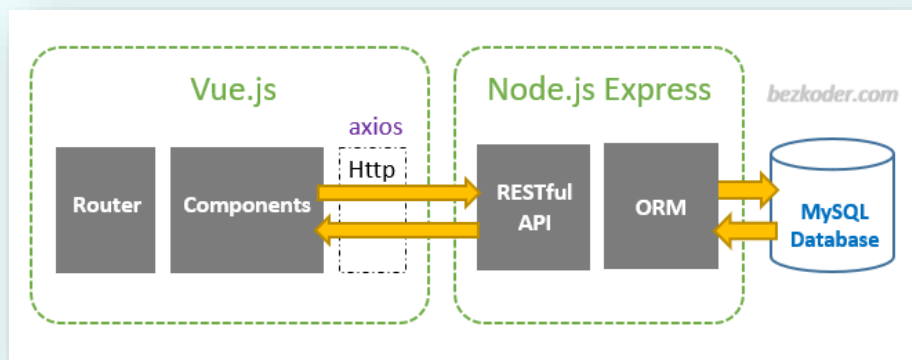


Figure 2: FULL STACK architecture.

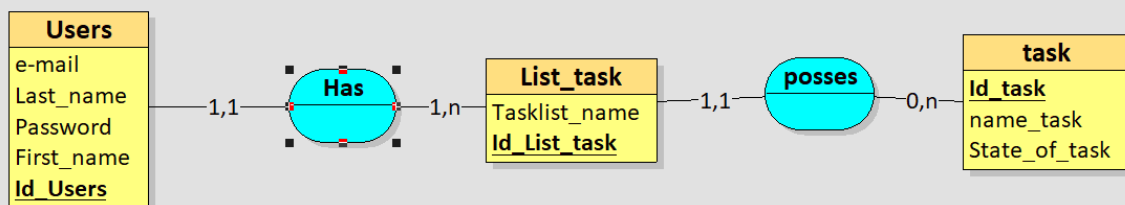


Figure 3: UML Class Diagram