

Project

EFREI 3A WEB

Louis Cherel - 10/2020

Deadline: 22 November 2020 23:55

Rendering

No delays will be tolerated, turn in your work on time, otherwise it will be 0. You have ~2 weeks after your last session, 10 minutes more or less will not change your grade.

You have to return to date, on **Moodle**:

- All your source code in a .zip file, without the node_modules/ folder.
- SQL export of your database so that we can recreate it on our side.
- A report containing
 - The list of team members
 - A general description of the theme of your site
 - An explanation of the steps involved in setting up the site, so that the teacher can launch your site and consult it
 - the description of the different pages (=Vue routes) of your site, with a screenshot of them

Objectives of the course

We hope that by the end of this course, you will be able to:

- Develop a **web interface** with different pages
- Developing a **web server** with an API
- Communicating with a **SQL-based** data persistence system



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- **Authenticating** users with standard security mechanisms (cookies, password hashing)
- Communicating a **Single Page Application** with a **Node.js** web server

Project constraints

The **subject of** your project is **free**, but here are the technical constraints:
NB: *the subject is free, but you can't take exactly the routes and views you produced for the TP5.*

- The server must be coded with Node.js
- The customer must be coded with Vue.js
- The database must be PostgreSQL
- Your site must contain several pages (i.e. several Vue.js routes)
 - *a minimum of 4 different pages excluding login/register*
- Your site must be authenticated (Registration, Login), with database password hashing (bcrypt)
- Your site must have an API that contains at least the following routes (CRUD, Create Read Update Delete)
 - Retrieving a list of items
 - Retrieving a particular item
 - Creating an Item
 - Modification of an Item
 - Deleting an Item
 - *Note: the login/register part does not count*
- Your site must contain at least one part (=API route) that is only accessible to authenticated users
- The information must be stored and retrieved in SQL, which includes the authentication part and the business objects (the items in the previous point)
- Your site must be pleasant to navigate: make an effort on the layout/HTML/CSS part of your site
 - *The ability to display correctly on mobile phones is considered important*



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- The general quality will be evaluated, a code with incorrect indentation, meaningless function/variable names, etc. will be penalized



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