

Group Generator



FullStack Project

Aim of this project

- Create a group generator in which you can add a list of students, chose a number of students per groups and generate a list of groups generated randomly.
- This project will be a FullStack project which will contains Front-End/Back-end/API/DB
- You will be in groups of two for this project
- You will need, from the beginning of this project to create a GIT repository and share it with your groupmate. (One repo per group for now)

First Step : DB

- To start this FullStack project we will want to create a DB for our students and for our groups.
- Let's do 2 simples collections : Students & Groups (The fields inside depend on your own conception).

Second Step : API

- Now that you successfully created a DB with MongoDB, you will want to be able to “at least” POST/GET/DELETE your datas inside your collections.
- To test your API you will need to use Postman.
- To make the POST, you will send the informations inside the body of the request.

Third & Fourth Step : BackEnd/FrontEnd

- Now that you successfully define some endpoint with your API and can access the datas in your DB, you will need to create a website to display these informations.
- We will want at least two different pages “/students” & “/groups”
- In the “/students” page, we will find a list of students and a form, who allow us to add a student to the list.
- In the “/groups” page , we will have a form with “at least” the name of a project and a input number to define the number of persons in every groups
- When submitting the “/groups” form, you will have to create a list of groups for this project.

Page 1 : Students

Group Generator

Students

Groups

List of students

thomas
alban
moncef
lucas
vincent
loris

Name

Add

Page 2 : Groups

Group Generator

Students Groups

List of Groups

GroupGenerator (2)

thomas + alban
moncef + lucas
vincent + loris

WatchAssignator (3)

thomas + lucas + loris
moncef + vincent + alban

Project Name

Group Members

Generate

Mandatory

- Use MongoDB, Express, NodeJS, HTML, CSS, EJS.
- GIT every different step inside the GIT repository, with branches. The final branch who will contain every of your project will be called “final”.
- The deadline is for Thursday 30th at Midnight.
- We will make the restitutions the Friday 31th during the day.

Forbidden

- To do the same CSS as the pictures I gave as example
- To not use Git from the beginning of the project.
- To use a CSS Framework
- To use a Front-end Framework
- To be at the end of his rope

Bonus

- Be able to Edit a student
- Having some statistics for each students
- Help the other groups