

FINAL Exam: VueJS CLI COMPONENTS

WEP 2021

{3h00}

MAR 2022

1. All documents allowed
2. Chatting and talking to other students are forbidden

EXERCICES	POINTS
EXERCICE 1 – BASICS CONCEPTS	40
EXERCICE 2 – COMPONENTS	30
EXERCICE 3 - ROUTING	30
TOTAL	100

BEFORE START: DOWNLOAD NODE_MODULE

1. Open the project **/STARTER** provided by the teacher
2. Install dependencies on your computer:

```
npm i
```

3. Test your app is working properly:

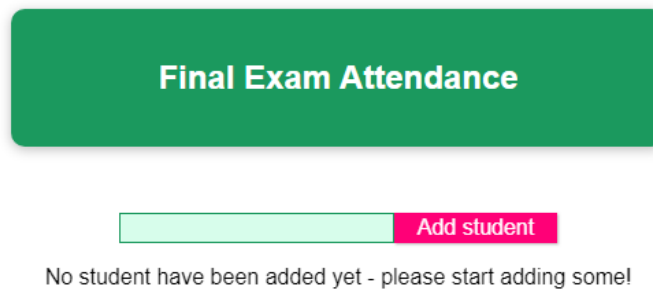
```
npm run serve
```

4. The /node modules folder can be used for the 3 exercises: you just need to drag it to each exercise root folder.

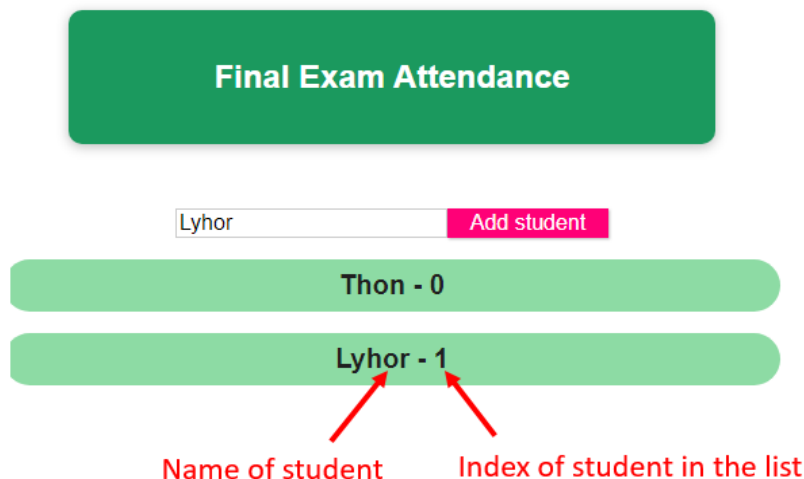
EXERCICE 1 – BASIC CONCEPTS

We want to manage a **list of students**
Each student has just a **name**

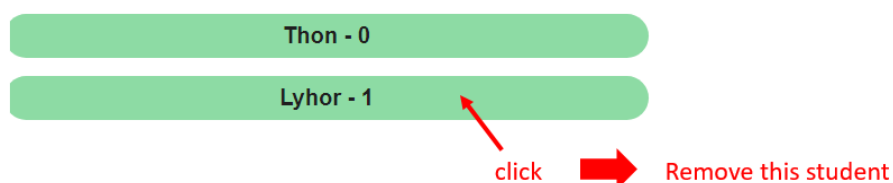
When no students has been added the **following message** should be displayed:



When a students is added, the view shall display a new item with the student **name** and the **index** of the **student** in the list:



When we click on a student item, the student is **removed** from the list:



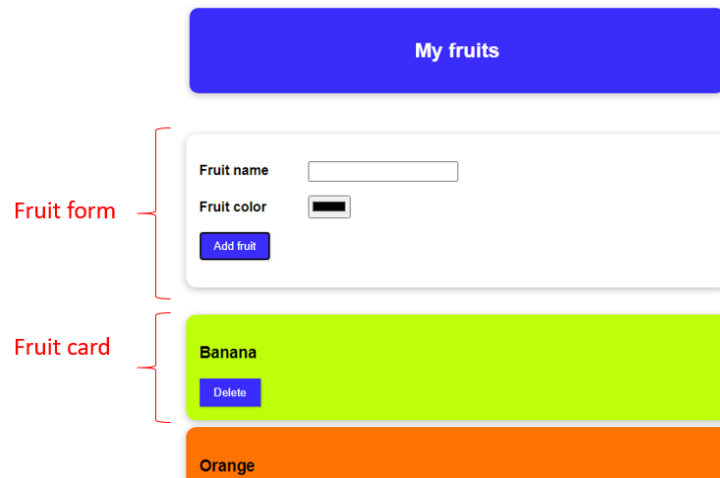
TODO: Complete **EXERCICE-1** to comply with the requirements.
Note: no need extra view, all code can be written in App.vue

EXERCICE 2 - COMPONENT

We want to manage a **list of fruits**. Each is composed of

5. A name
6. A color

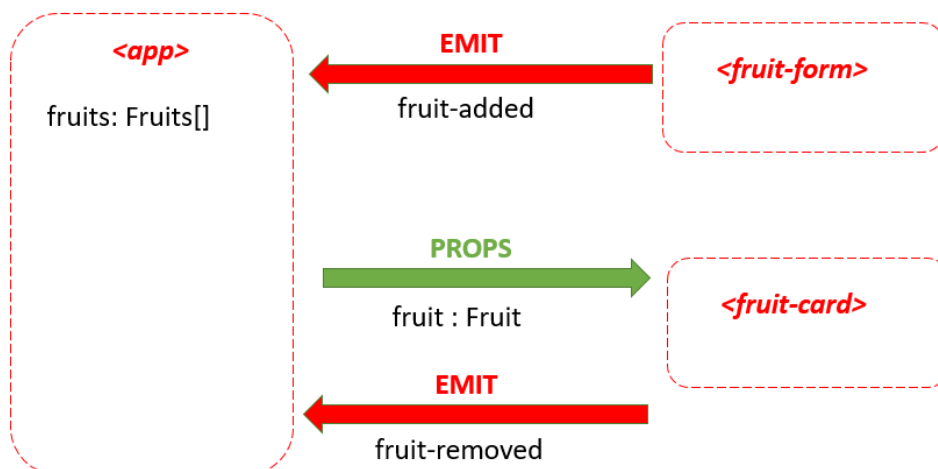
The fruits are then displayed on cards, **with their color as background**:



We want to use 2 components for this application:

7. Component `<fruit-form>` to input the fruit properties
8. Component `<fruit-card>` to display a fruit properties and delete the fruit

The component must communicate as follows with the main app component:



TODO: Complete EXERCICE-2 to comply with the requirements.

EXERCICE 3 – ROUTES

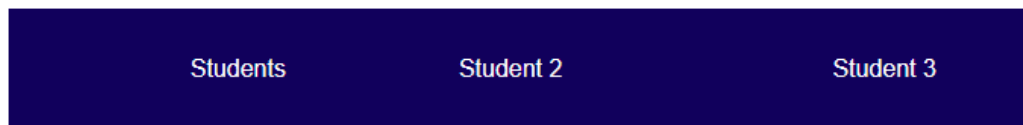
This application has a menu bar with 3 menu items

- Students
- Student 2 (display the student 2 details)
- Student 3 (display the student 3 details)

TODO: Complete EXERCICE3 to make the navigation and route work as required.

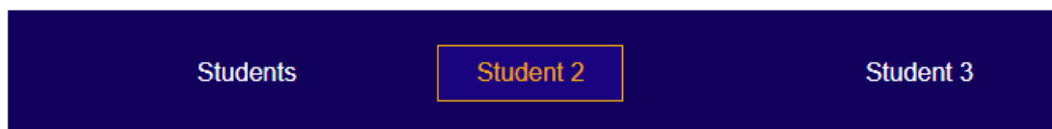
- **Note: you shall use the same view for student 2 and 3**

<http://localhost:8080/#/students>



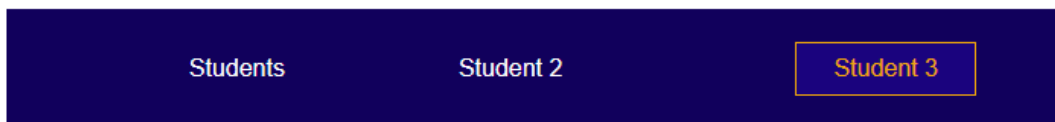
Students

<http://localhost:8080/#/student/2>



Student details of ID = 2

<http://localhost:8080/#/student/3>



Student details of ID = 3