ToDo List

VueJS FullStack Project (PART 1)

Aim of this project

- Create a little VueJS Project
- Learn how to use Components, Props, Smart & Dump components, $emit, Bootstrap-Vue
- This project will only contain a Front-End part for this first iteration
- You will be alone for this project and for the beginning you will have to only ask to Google or a trainer.
- One of the goal of this project is also to teach you to be autonome when you do not know a technology
- You will need a Git repository of course…
- This is new for everyone, so don't think to much, try and retry and retry until you succeed ! Don't miss the train, do the best you can and you will reach the goal !!

First Step : Vue CLI

- 1 : To simply start this project, we want you to generate a new project using Vue CLI.
- 2 : Let's add Bootstrap Vue
- 3 : Make the view of the First View (see the next Diapo) (Jumbotron)

First Step View

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

Second Step : Separate

- We now want you to have 2 differents components : App (the principal one) and MyJumbotron (in which you will put the content of your page)

Third Step : List

- Now that you successfully call a component from another one, you will have to create a data called list in the App component.
- Then you will pass it to the MyJumbotron component as a Props.
-
```
        list: [
```
-
```
            {id: 0, name: "Ecrire le sujet", todo: true},
```
-
```
            {id: 1, name: "Faire le sujet", todo: true},
```
-
```
            {id: 2, name: "Vendre le sujet", todo: true},
```
-
```
            {id: 3, name: "Partir en vaccances", todo: true},
```
-
```
        ]
```
-

Fourth Step : Display List

- The MyJumbotron component will call a ListTodo component and give to it the List he received (as Props as well).
- The ListTodo component will iterate through the Array he received and will call SingleTodo component for each item of the List to looks like the picture below.

Fourth Step View

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

⟲ Ecrire le sujet

⟲ Faire le sujet

⟲ Vendre le sujet

⟲ Partir en vaccances

Fifth Step : Click

- Now that we successfully displayed our list of Todo, we want to be able to check or uncheck the different tasks in order to see what we still have to do.
- To do that you will add a click listener who will $emit called toggle from the SingleTodo component to the App component an event with the ID of the todo as param.
- The App component will toggle the field "todo" of this specific task from the ID.
- Then you will make a conditional rendering on the "todo" field in the SingleTodo component and change the icon and the class depending if the task is done or not.

Fifth Step View

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

✓ ~~Ecrire le sujet~~

✓ Faire le sujet

✓ Vendre le sujet

✓ ~~Partir en vaccances~~

Sixth Step : AddForm

- We now want to be able to add some tasks to make it more dynamic.
- In order to do that we will call a new component AddForm from MyJumbotron component.
- The AddForm will have a single input of type text (obviously) and a single button in which we will call a method when @click on it.
- This component will $emit an event to the App component with the name of the new task the user wrote.
- See the three pictures below for have the good behaviour.

Sixth Step Views

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

⊘ Ecrire le sujet

⊘ Faire le sujet

⊘ Vendre le sujet

⊘ Partir en vaccances

| New Task | Todo Name | ⊞ Add |

Sixth Step Views

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

⊘ Ecrire le sujet

⊘ Faire le sujet

⊘ Vendre le sujet

⊘ Partir en vaccances

| New Task | Finir ma sieste | ⊞ Add |

Sixth Step Views

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

- ⊘ Ecrire le sujet
- ⊘ Faire le sujet
- ⊘ Vendre le sujet
- ⊘ Partir en vaccances
- ⊘ Finir ma sieste

New Task	Todo Name	⊞ Add

Seventh Step : Sentence

- We'll now create a new component Sentence who will display a different sentence depending of the number of tasks done.
- You will also adapt the style to look alike the screens below.
- If none tasks is done it will display : `It's time to start working you have x tasks to do !!`
- If less than the half are done : `Continue that way and you will finish soon, still have x/y tasks`
- If more than the half are done : `Good !! you made half or more x/y tasks`
- If all the tasks are done : `Congratulation !! You finished all the x tasks`

Seventh Step Views

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

☹ It's time to start working you have 4 tasks to do !! ☹

⊘ Ecrire le sujet

⊘ Faire le sujet

⊘ Vendre le sujet

⊘ Partir en vaccances

| New Task | Todo Name | ⊞ Add |

Seventh Step Views

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

☺ Continue that way and you will finish soon, still have 1/4 tasks ☺

⊘ Ecrire le sujet

⊘ Faire le sujet

⊘ Vendre le sujet

✓ Partir en vaccances

| New Task | Todo Name | ⊞ Add |

Seventh Step Views

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

😄 Good !! you made half or more 3/4 tasks 😄

✓ ~~Ecrire le sujet~~

✓ ~~Faire le sujet~~

✓ Vendre le sujet

✓ ~~Partir en vaccances~~

New Task	Todo Name	⊞ Add

Seventh Step Views

Todo List

New Features we will have to done for this project

Easy to use, we created this web app just for you !

😎   Congratulation !! You finished all the 4 tasks 😎

✅ E̶c̶r̶i̶r̶e̶ ̶l̶e̶ ̶s̶u̶j̶e̶t̶

✅ F̶a̶i̶r̶e̶ ̶l̶e̶ ̶s̶u̶j̶e̶t̶

✅ V̶e̶n̶d̶r̶e̶ ̶l̶e̶ ̶s̶u̶j̶e̶t̶

✅ P̶a̶r̶t̶i̶r̶ ̶e̶n̶ ̶v̶a̶c̶c̶a̶n̶c̶e̶s̶

| New Task | Todo Name | ⊞ Add |

Mandatory

- Try, again & again !
- Do not get to much pressure but work hard !
- Take the advantage of your IDE (snippets and so on)
- Use GIT