VUE

To format you code, Prettier is a nice VSCode extension !

COURSE EVALUATION

Quiz	05 %
Homework	05 %
Project	25 %
Midterm	25%
Final	**40 %**

To succeed this course ? | Code by yourself | Work with your friends | Ask questions

ROADMAP

0 WHY VUE ?

1 DATA BINDING

2 LOOPS / IF/ELSE

3 METHODS & EVENTS

4 COMPUTED & WATCHERS

5 CLI

6 COMPONENTS

7 ROUTING

8 SLOTS / WIDGETS

9 AUTHENTICATION

X VUTIFY

DISCUSS

10 MIN CLASS

Explain this word

Explain this word

VueJS is a **JavaScript** **framework** to create a **reactive** web application easier

Explain this word

A language, running on browser to manipulate the running page (with the DOM)

A Library of methods + A set of rules, to guide you to build an application

VueJS is a **JavaScript** **framework** to create a **reactive** web application easier

reactivity is the possibility to refresh page element without refreshing the whole page

EXPLAIN

10 MIN CLASS

Find the defaults of plain JS ?

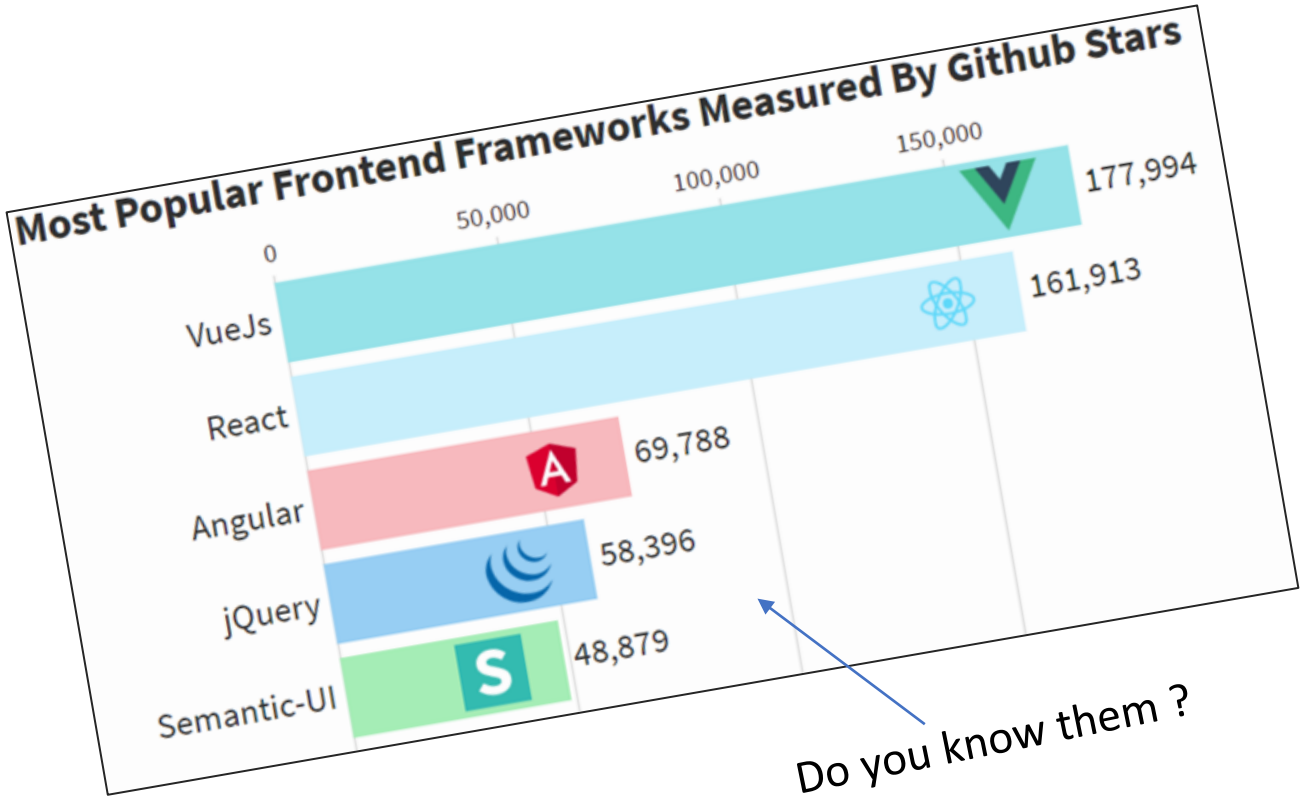
```
const buttonEl = document.querySelector('button');
const inputEl = document.querySelector('input');
const listEl = document.querySelector('ul');

function addGoal() {
  const enteredValue = inputEl.value;
  const listItemEl = document.createElement('li');
  listItemEl.textContent = enteredValue;
  listEl.appendChild(listItemEl);
  inputEl.value = '';
}

buttonEl.addEventListener('click', addGoal);
```

1 - Demo - vanilla JS code

VUE has a different approach !

- ✓ Templates
- ✓ modules
- ✓ Data binding

Why Vue.JS ?

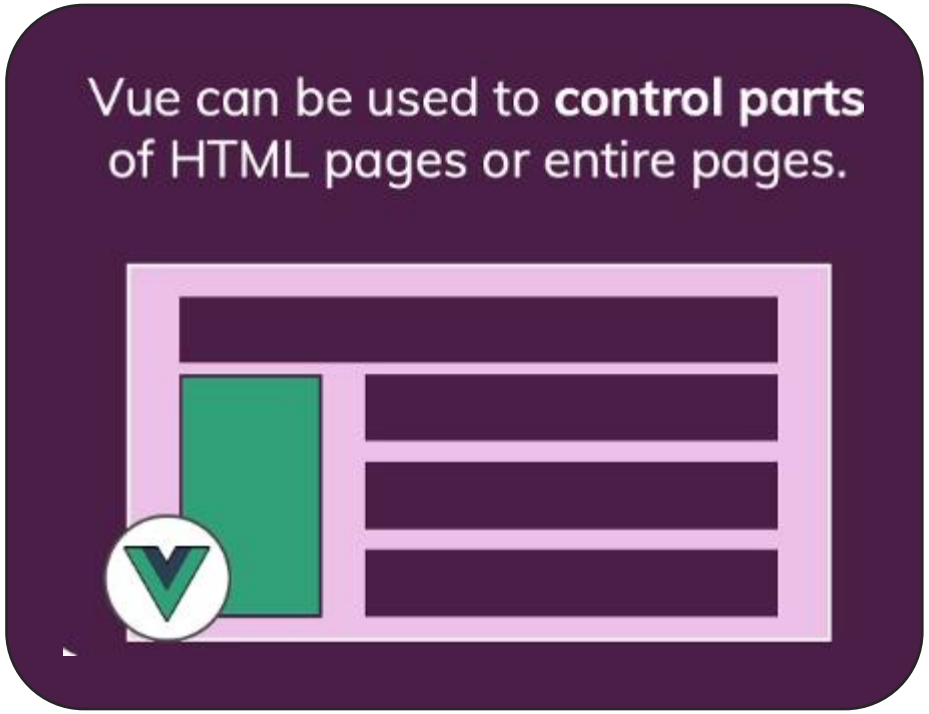


- One of the **most popular**
- Still **growing actively**
- **Easy** to learn
- Single page app

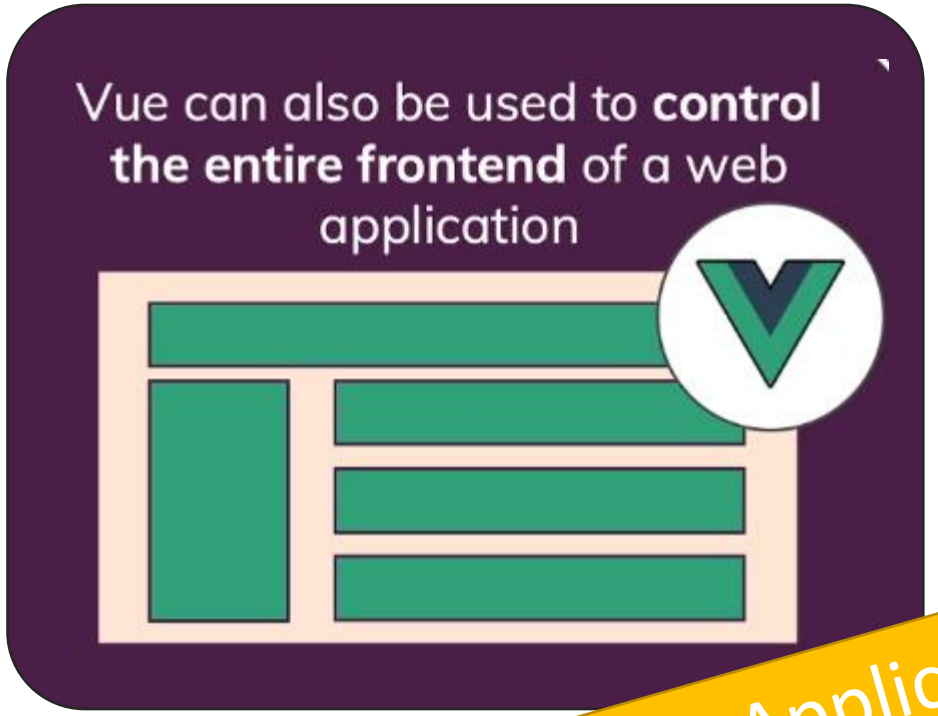
EXPLAIN

10 MIN CLASS

2 different ways to use Vue



For now we will use this way



Single Page Application

ROADMAP

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DEMO

10 MIN CLASS

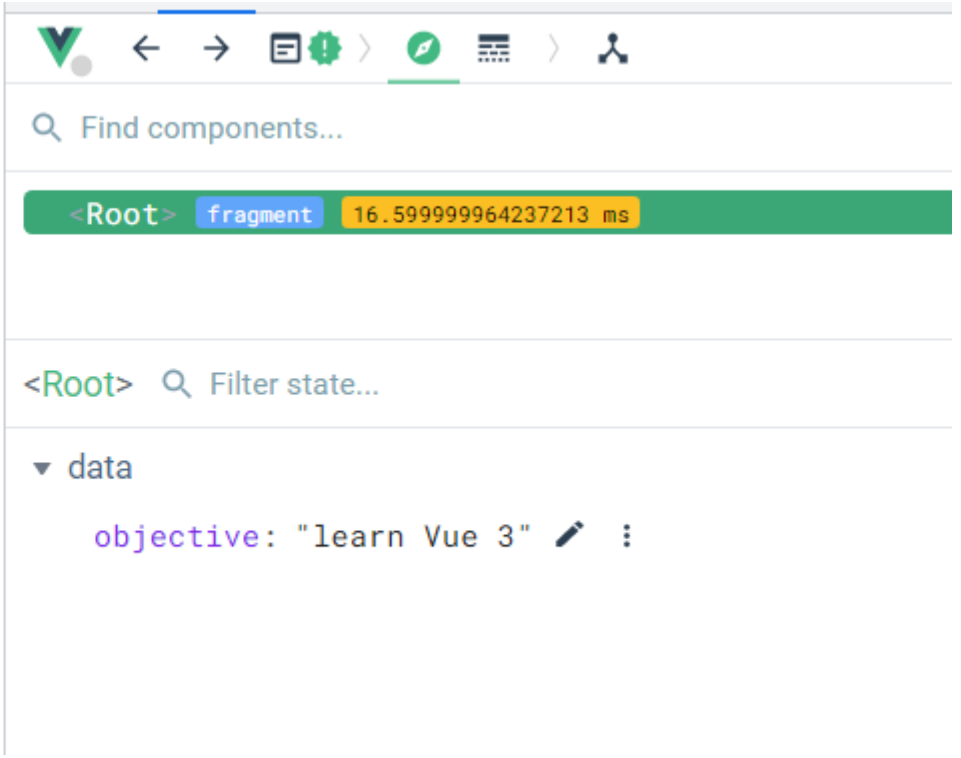
2 - Demo - create vue app

Let ‘s create our first Vue app

Vue Course Goals

Objectives of this course

learn Vue 3



PRACTICE

20 MIN

INDIV

Create a Vue app in 5 steps !

1 – Import the last Vue framework (Vue 3)

```
<script src=https://unpkg.com/vue@next defer></script>
```

2 – Create a Vue app

```
const app = Vue.createApp({
});
```

3 – Mount the Vue app to a specific DOM elemnt

```
app.mount("#ronan");
```

```
<section id="  ronan  ">
```

4 – Create a data

```
data() {
    return {
      objective: "learn Vue",
    };
 },
```

5 – Bind this data on HTML

```
<p>{{objective}}</p>
```

EXPLAIN

10 MIN CLASS

Like teacher Rady !!

{{ }} MUSTACHE

SCRIPT

Provide Data

```
const app = Vue.createApp({
  data() {
    return {
      objective: "learn Vue 3",
    };
  },
});

app.mount("#app");
```

Mount DOM element to VUE app

TEMPLATE

DOM element to mount

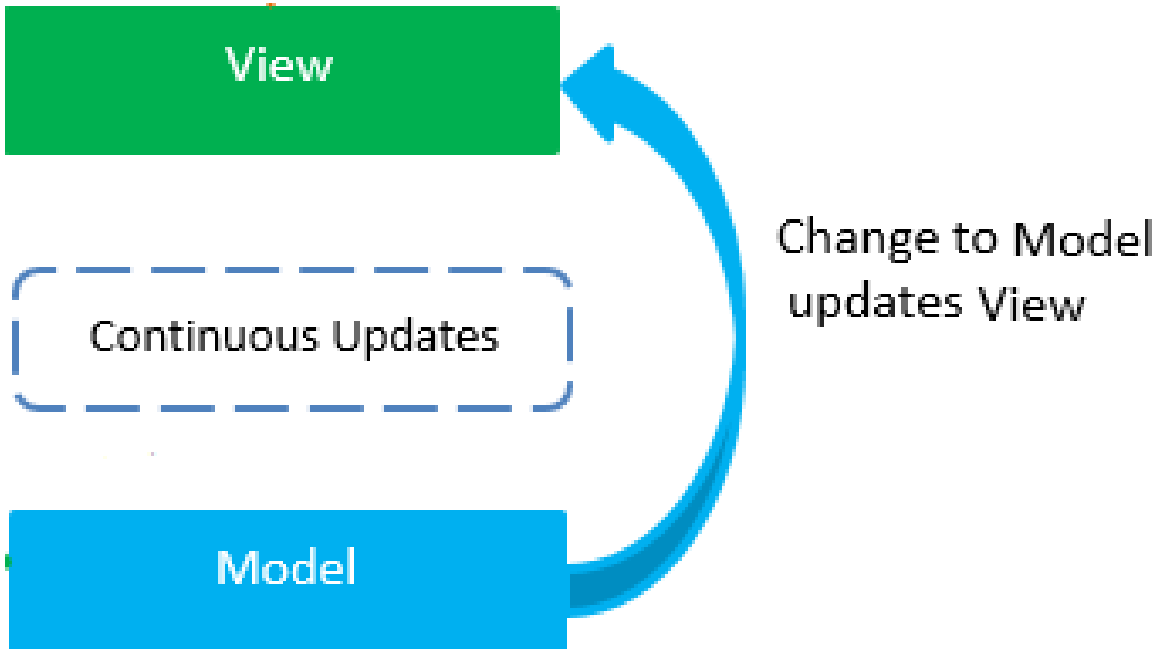
```
<div id="app">
   <p>{{ objective }}</p>
 </div>
```

Mustache

EXPLAIN

10 MIN CLASS

What is data binding ?



EXPLAIN

10 MIN CLASS

Can we put the {{}} outside of the vue app ?

```
app.mount("#app");
```

```
<body>
    <header>
      <h1>Vue Course Goals {{ objective }}</h1>
    </header>
    <section id="app">
      <h2>Objectives of this course</h2>
      <p>{{ objective }}</p>
    </section>
 </body>
```

PRACTICE

20 MIN INDIV

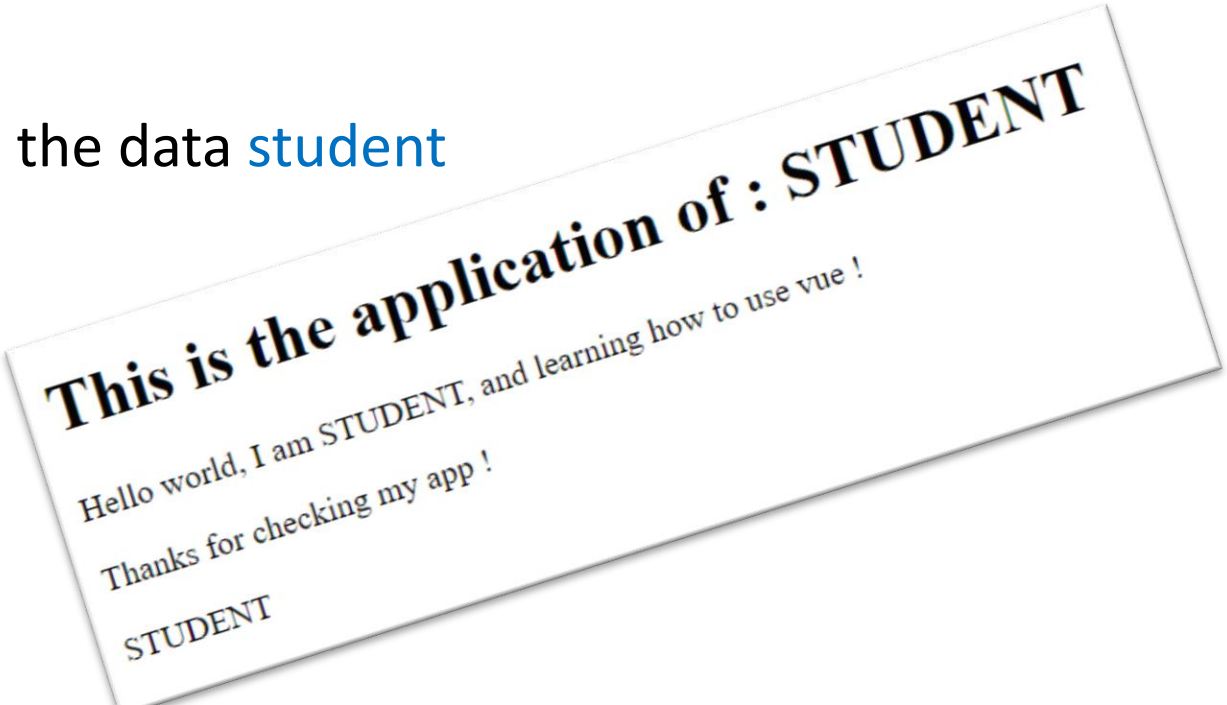
Activity 1

SCRIPT

- ✓ create a Vue app and **mount** it to the div **your-app**
- ✓ Create the data() and define a variable student

HTML

- ✓ Bind all **STUDENT** values to the data student



PRACTICE

20 MIN INDIV

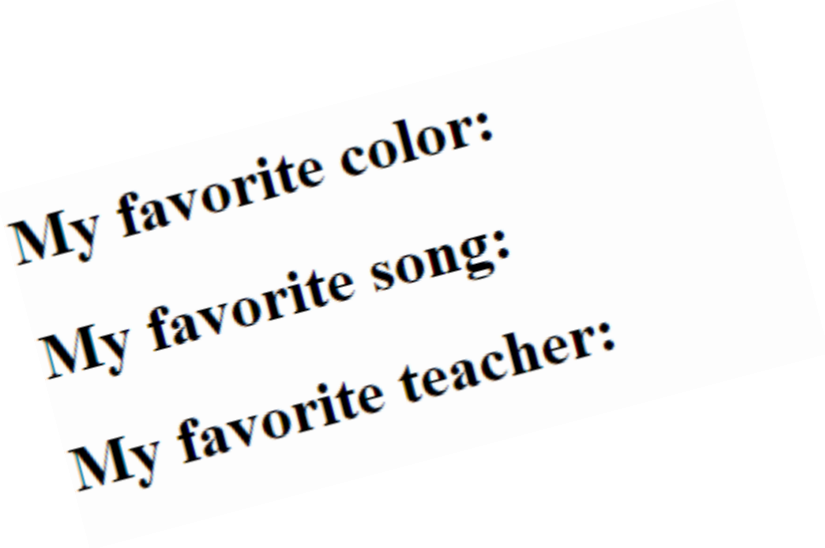
Activity 2

SCRIPT

- ✓ create a Vue app and **mount** it to the div **your-app**
- ✓ Create the date() and define variables : color, song, teacher

HTML

- ✓ Bind all data values



What you learnt

- ✓ Why should we use a framework on front end
- ✓ How to **create a VueJS app** and mount it to a DOM element
- ✓ How to **bind a data** using the **mustache** {{ }}