LEVERAGING CAMPUS API’S WITH VUE JS

AL NEMEC
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API’S

A SET OF CLEARLY DEFINED METHODS OF COMMUNICATION BETWEEN VARIOUS SOFTWARE COMPONENTS.
API CALL AND RESPONSE
A BASIC EXAMPLE

curl https://apiurl.domain

   -u Qo2ikJ0vBiI42WgH4olfQ2:

   -d key=value

   -d key=value

{
   "id": "6EzBGVvYIumpFuowNjRvd",
   "object": "item",
   "key": value,
   "key": value
}
JAVASCRIPT IN 2018
WHY SHOULD I CONSIDER VUE?

- A PROGRESSIVE FRAMEWORK FOR BUILDING USER INTERFACES
- DESIGNED TO BE INCREMENTALLY ADOPTABLE
- CAN OPTIMIZE FOR DEVELOPING SINGLE PAGE APPLICATIONS
**JQUERY**

```html
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
```

**VUE**

```html
<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
```
<div id="app">
  {{ message }}
</div>

var app = new Vue({
  el: '#app',
  data: {
    message: 'Hello Vue!'  
  }
})
A PRACTICAL APPLICATION
CREATING AN INFORMATIONAL DISPLAY
WHAT ARE WE MAKING?

- A PUBLIC DISPLAY THAT SHOWS CAMPUS NEWS THAT CONTAINS PHOTOGRAPHY.
- LIVE MADISON METRO INFORMATION ON WHICH BUSSSES ARE ARRIVING.
- LIVE WEATHER CONDITIONS.
WEATHER WATCHING FOR BUSY PEOPLE

You probably don’t have time to gaze up at the sky all day as the weather changes. Fortunately, cameras stationed atop the Atmospheric, Oceanic and Space Sciences building are doing it for you. In this time-lapse video, you can see why in Wisconsin we say, “If you don’t like the weather ... wait a minute.”
CODE DEMO
USEFUL INFORMATION

API
https://developer.wordpress.org/rest-api/
http://api.smsmybus.com/
https://www.openweathermap.org/api

VUE PROJECT
https://git.doit.wisc.edu/AL.NEMEC/vue-wisc-api-project
https://vuejs.org