VUE

- JavaScript library for building user interfaces
- It makes really easy to develop responsive web pages
- Developed by Facebook
- Usually called as Framework because of its behaviour /capabilities
- Rival is Angular. New framework getting popular is Vuejs

Setup

- Node.js
- npm or yarn [dependency manager]
- npm install –g vue-cli

My first app

- cd ~/code

- vue init webpack voneplace

- cd voneplace

- npm start (starts the local web server, and go to browser to inspect web applications)

- npm run dev

- npm run build

Render data to the DOM & using interpolation

```html
<div id="app">
        {{message}}
</div>
```

```javascript
var app = new Vuew ({
        el: '#app',
        data: {
        message: 'Hello',
        }
});
```

Directives

Special attribute with the prefex v-

<element v-directiveid="[argument:] expression [|filters …]">
</element>

Simple Directives

{{msg}}

 // parses HTML

{{msg}} // one-time

Conditionals & Loops

```
//if statement
<p v-if="show">This is shown </p>
<p v-else>This is not </p>


//Show
<p v-show="show">This is shown</p>
//For Loop
<li v-for="user in users">{{user.name}}</li>
```

```
data: {
show: true,
users: [
 { name:'Tim'},
{ name:'Robert'}
]
```

Class & Style Binding

```
<div v-bind:class="{active: isActive}"></div>
<div v-bind:style="{color: activeColor}"></div>
```

```
data: {
isActive: true,
activeColor: 'red'
}
```

Components

Vue.component('my-component',{

Template: 'This is my components'})

}

<div id="app">
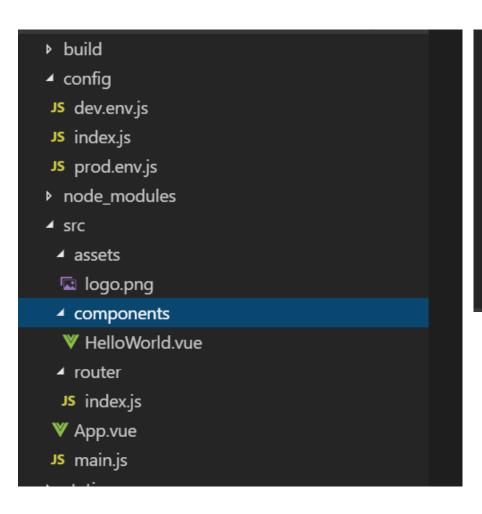

</div>

- Provide organization & encapsulation

- Re-usable code

- Can be separated into .vue files

Additional Tools & Plugins

vue-router - official router

vue-resource - Handle web requests

vue-async-data - Async data loading

vue-validator - Form validation plugin

Structure - Boilerplate

```
▷ build
▲ config
  JS dev.env.js
  JS index.js
  JS prod.env.js
▷ node_modules
▲ src
  ▲ assets
    🖼 logo.png
  ▲ components
    V HelloWorld.vue
  ▲ router
    JS index.js
  V App.vue
  JS main.js
```

```
▷ static
6 .babelrc
⚙ .editorconfig
◆ .gitignore
JS .postcssrc.js
<> index.html
{} package-lock.json
{} package.json
ⓘ README.md
```

```vue
<template>
  <div class="hello">
    <h1>{{ msg }}</h1>
  </div>
</template>
```

```vue
<!-- Add "scoped" attribute to limit
CSS to this component only -->
<style scoped>
h1, h2 {
  font-weight: normal;
}

</style>
```

```vue
<script>
export default {
  name: 'HelloWorld',
  data () {
    return {
      msg: 'Welcome to Your Vue.js App'
    }
  }
}
</script>
```

First Component

Component

```
<template>

</template>


<script>
export default {
    name: 'NAME'
}
</script>


<style scoped>
</style>
```

Render the hello component

```
<template>
  <div id="app">
    <img src="./assets/logo.png">
    <HelloWorld/>
  </div>
</template>

<script>
import HelloWorld from './components/HelloWorld'

export default {
  name: 'App',
  components: {
    HelloWorld
  }
}
</script>
```