VUEJS

COME TO THE GREEN SIDE

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Presentation Outline

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Live Questions

https://app.sli.do/event/lswliai5/live/questions

Code 'n Stuff

https://github.com/simeon-petrov-5/vue-dummy-billing-app

What is Vue?

https://v3.vuejs.org/guide/introduction.html

Vue is a progressive framework for building user interfaces. Unlike other monolithic frameworks, Vue is designed from the ground up to be incrementally adoptable. The core library is focused on the view layer only, and is easy to pick up and integrate with other libraries or existing projects.

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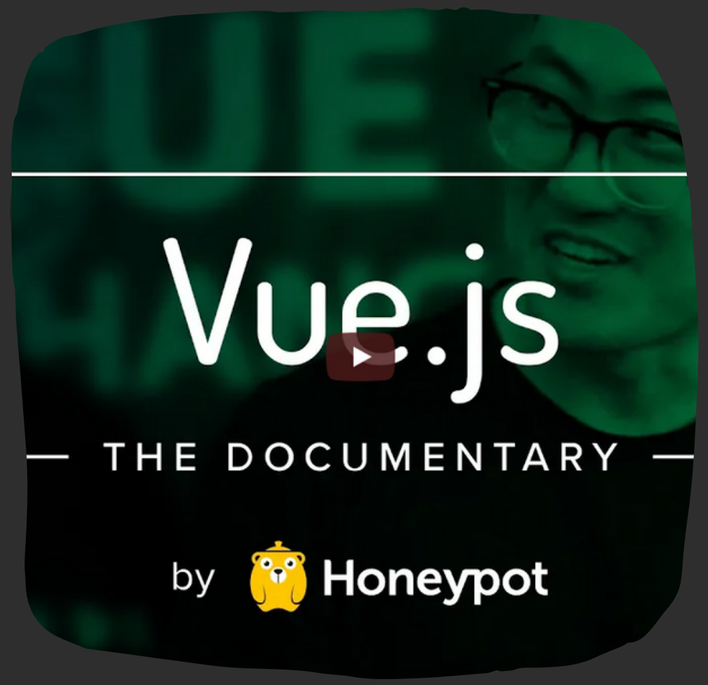
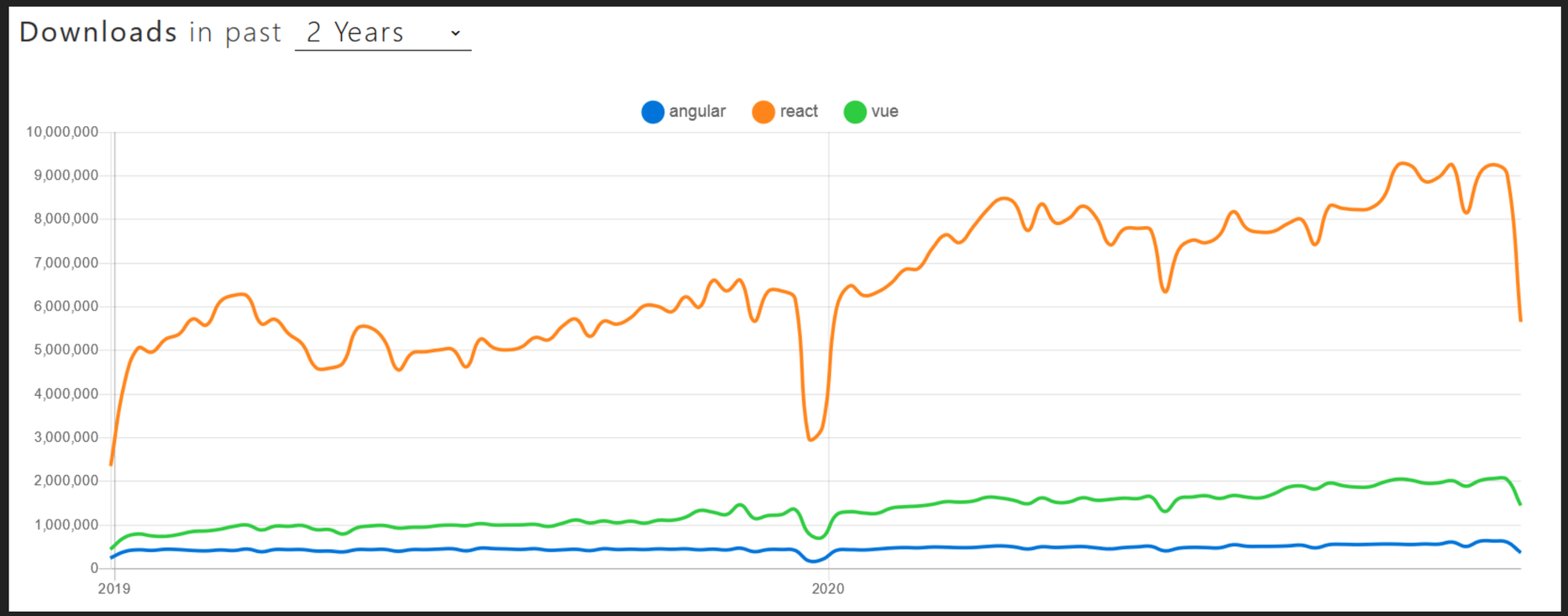
The story of Vue

https://www.youtube.com/watch?v=OrxmtDw4pVI



Ethan You

But is it popular?



HTTPS://WWW.NPMTRENDS.COM/ANGULAR-VS-REACT-VS-VUE

HTTPS://VUEJS.ORG/V2/GUIDE/COMPARISON.HTML

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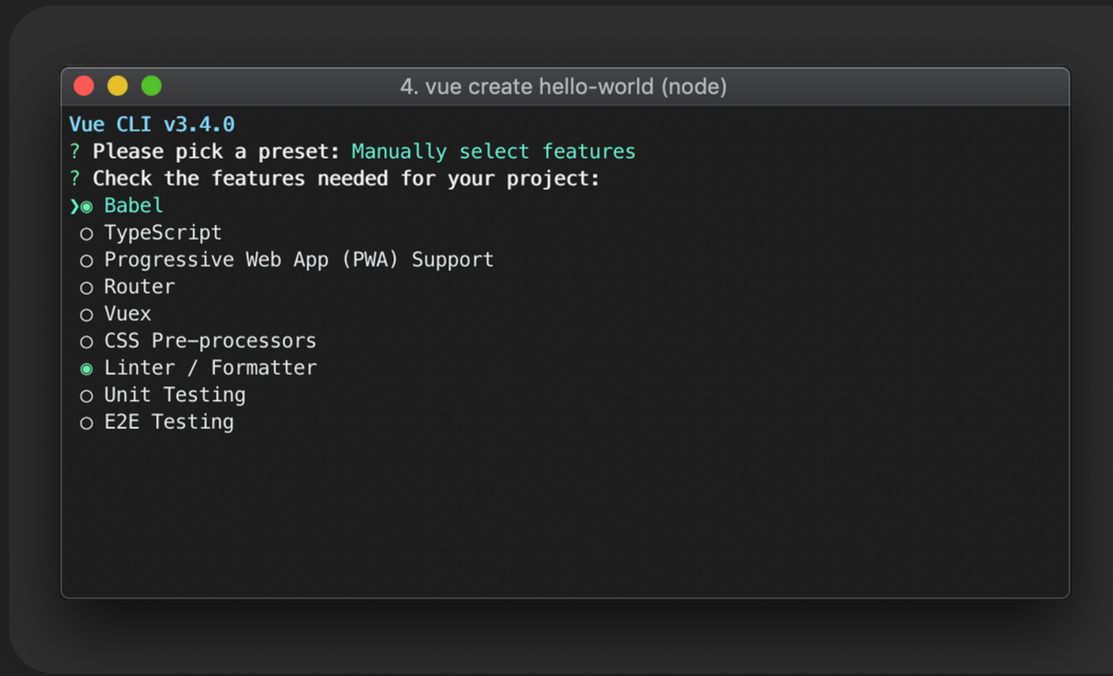
VUE CLI

Lets make a project



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VUE FILE?

Single File Components

https://v3.vuejs.org/guide/introduction.html

Scoped... what?

Writing this

```
<style scoped>
.example {
  color: red;
}
</style>

<template>
  <div class="example">hi</div>
</template>
```

Is transformed into this

```
<style>
.example[data-v-f3f3eg9] {
  color: red;
}
</style>

<template>
  <div class="example" data-v-f3f3eg9>hi</div>
</template>
```

HTTPS://VUE-LOADER.VUEJS.ORG/GUIDE/SCOPED-CSS.HTML#MIXING-LOCAL-AND-GLOBAL-STYLES

Scoped... what?

```
<style>
/* global styles */
</style>

<style scoped>
/* local styles */
</style>
```

```
<style lang="scss">
/* write SCSS here */
</style>
```

HTTPS://VUE-LOADER.VUEJS.ORG/GUIDE/SCOPED-CSS.HTML#MIXING-LOCAL-AND-GLOBAL-STYLES

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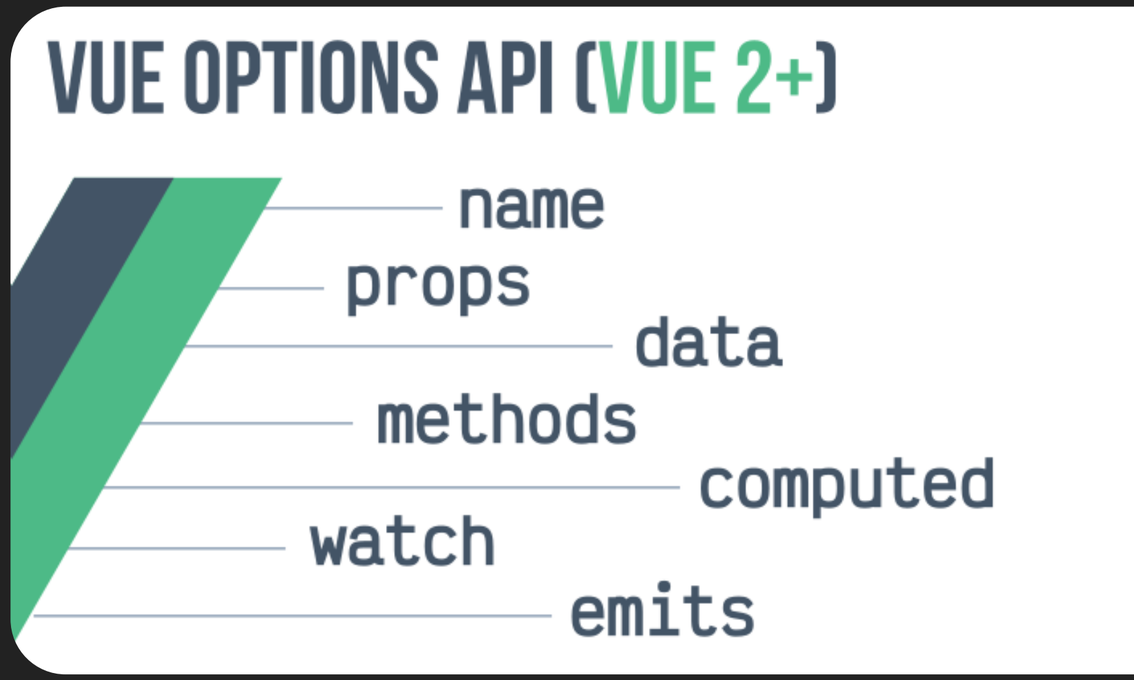
VUE CODE

The Options API



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DEMO TIME

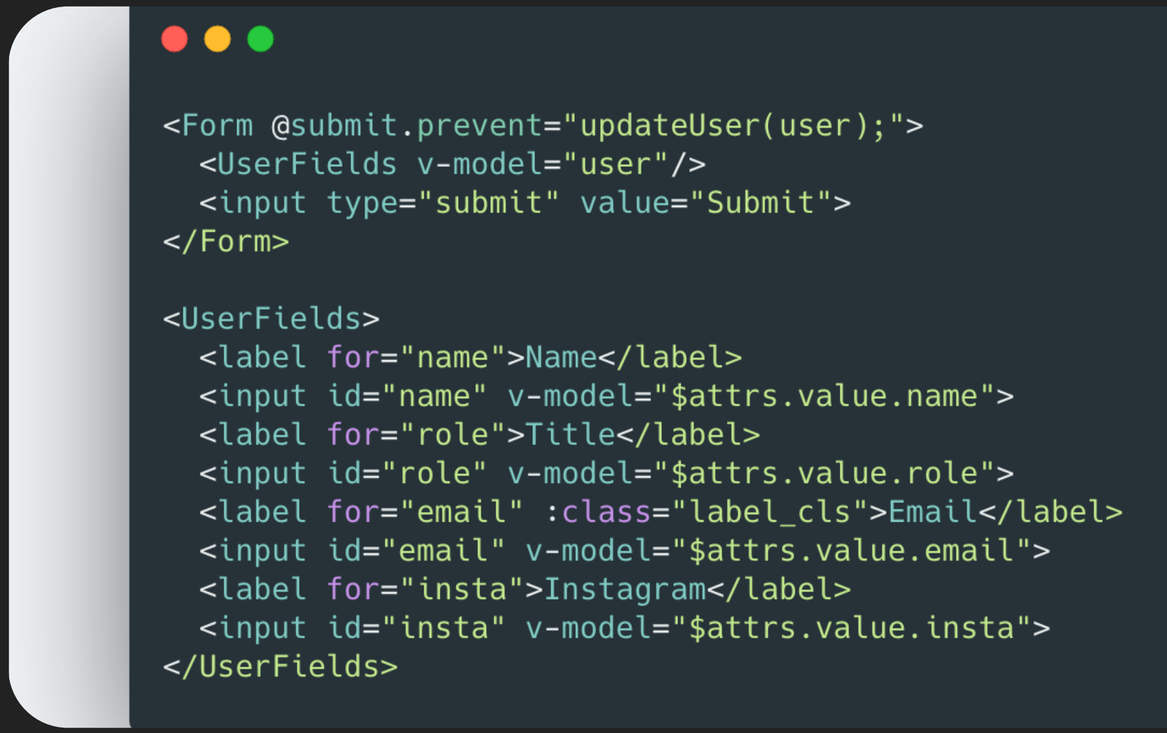
VUE HTML

The Options API

```
<ul id="example-1">
  <li v-for="item in items"
    {{ item.message }}
  </li>
</ul>
```

V-MODEL

Two-way data bindings on form input, textarea, and select elements.
It automatically picks the correct way to update the element based on the input type.



```
<Form @submit.prevent="updateUser(user);">
  <UserFields v-model="user"/>
  <input type="submit" value="Submit">
</Form>

<UserFields>
  <label for="name">Name</label>
  <input id="name" v-model="$attrs.value.name">
  <label for="role">Title</label>
  <input id="role" v-model="$attrs.value.role">
  <label for="email" :class="label_cls">Email</label>
  <input id="email" v-model="$attrs.value.email">
  <label for="insta">Instagram</label>
  <input id="insta" v-model="$attrs.value.insta">
</UserFields>
```

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COMPUTED

Properties

Computed properties are cached based on their reactive dependencies.
A computed property will only re-evaluate when some of its reactive dependencies have changed.

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WATCHERS

Vue provides a more generic way to react to data changes through the watch option.
This is most useful when you want to perform asynchronous or expensive operations in response to changing data.

SLOTS

Vue implements a content distribution API inspired by the Web Components spec draft (opens new window), using the <slot> element to serve as distribution outlets for content.

VUE 3

https://v3.vuejs.org/

https://isvue3readyyet.com/

https://madewithvuejs.com/blog/vue-3-roundup

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The COMPOSITION API

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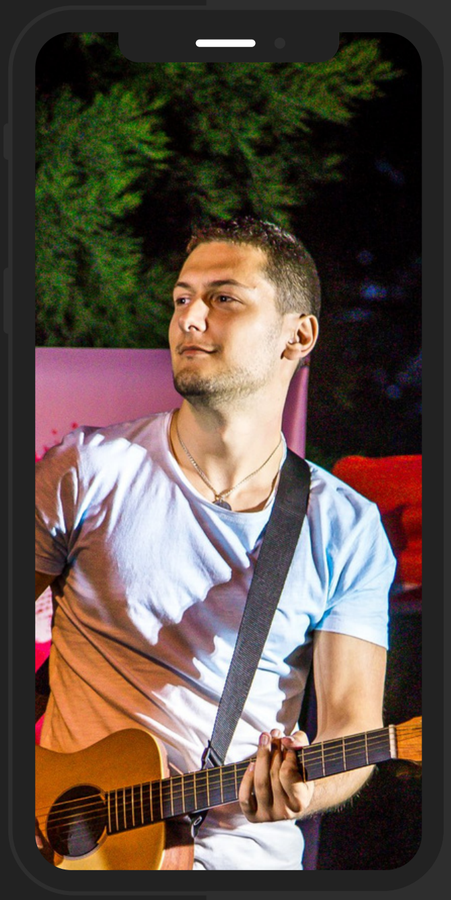
The COMPOSITION API

Organizing logics with component's options (data, computed, methods, watch) works in most cases.

However, when our components get bigger, the list of logical concerns also grows. This can lead to components that are hard to read and understand, especially for people who didn't write them in the first place.

Who am I?

Simeon Petrov
Web developer @ Blubito



Front-end JavaScript Developer with focus in both JS, CSS and design worlds. Currently developing web applications and systems mainly with VueJS. Experience with React, Gatsby, Angular (4/5), Svelte and couple more.

Contact me - https://www.linkedin.com/in/simeonpetrov5/

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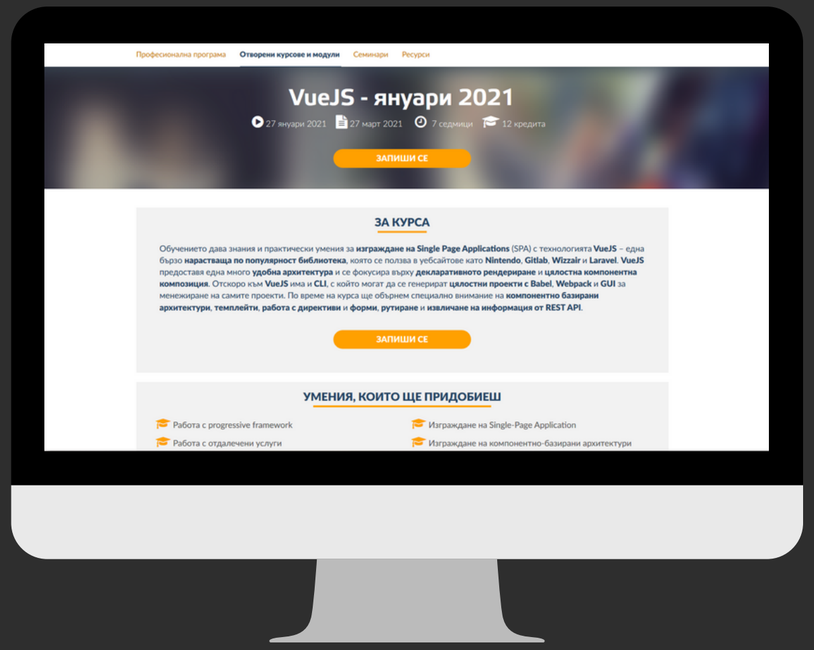
SoftUni Vue Course

https://softuni.bg/trainings/3279/vuejs-january-2021

Обучението дава знания и практически умения за изграждане на Single Page Applications (SPA) с технологията VueJS.
По време на курса ще обърнем специално внимание на компонентно базирани архитектури, темплейти, работа с директиви и форми, рутиране и извличане на информация от REST API.



QUESTIONS

Why would you choose Vue.js over other front-end frameworks?

What is Vuex?

What are filters in Vuejs?

What are mixins?

Any routing?

?