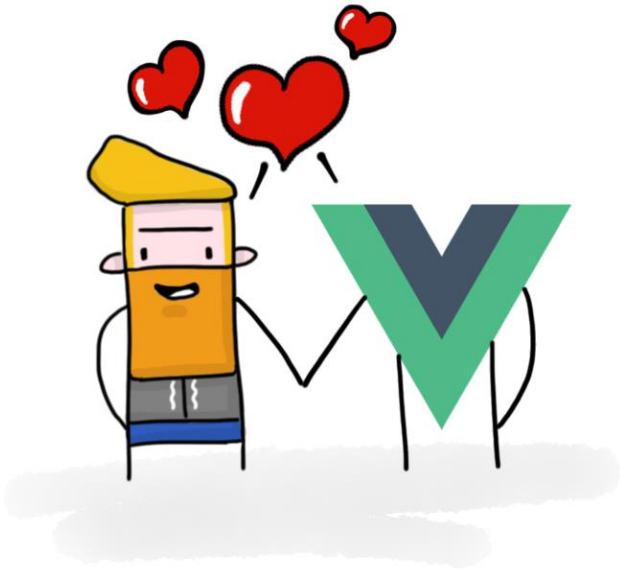
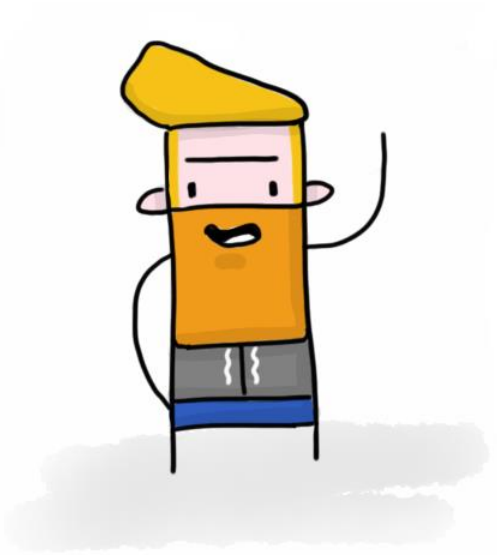
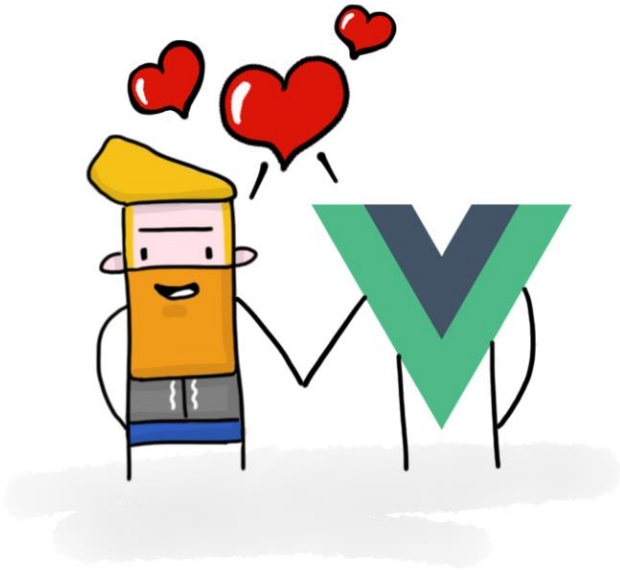


HOW I FELL IN LOVE WITH VUEJS



MATT BRAILSFORD

@MATTBRAILSFORD - OUTFIELD DIGITAL



HOW I FELL IN LOVE WITH VUEJS

WHAT'S LOVE
GOT TO DO WITH IT?

THE YEAR WAS

1987

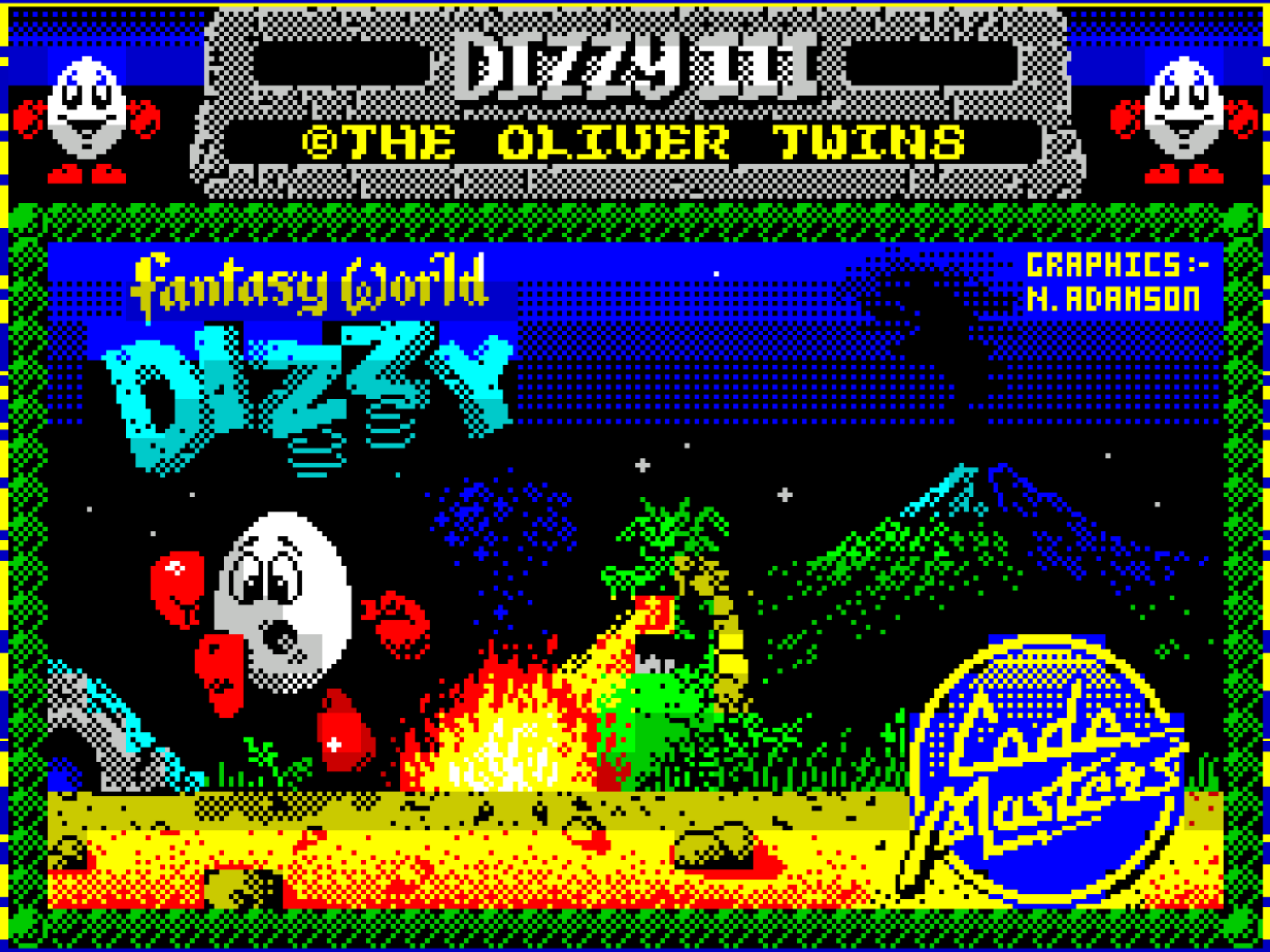
Oww!

I'm HAVING
THE TIME OF
MY LIFE!

I DON'T WANT TO BE PRESIDENT!

sinclair
128K
ZX Spectrum +2
DATACORDER
TRUE VIDEO
INV VIDEO
DELETE
GRAPH
EXTEND MODE
EDIT
CAPS SHIFT
CAPS LOCK
SYMB SHIFT
BREAK
ENTER
CAPS SHIFT
SYMB SHIFT

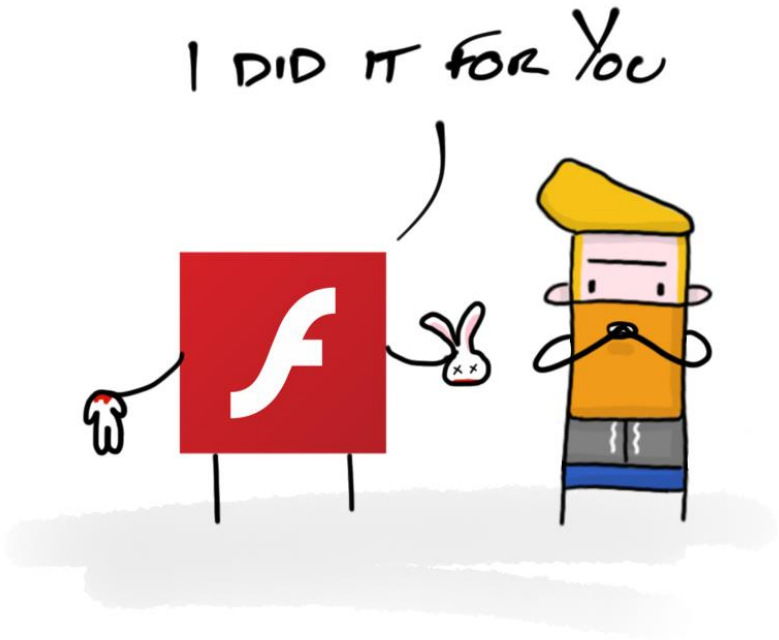
128 +2A
Tape Loader
+3 BASIC
Calculator
48 BASIC
Tape Tester


DIZZY III
©THE OLIVER TWINS
Fantasy World
DIZZY
GRAPHICS:-
M.ADAMSON

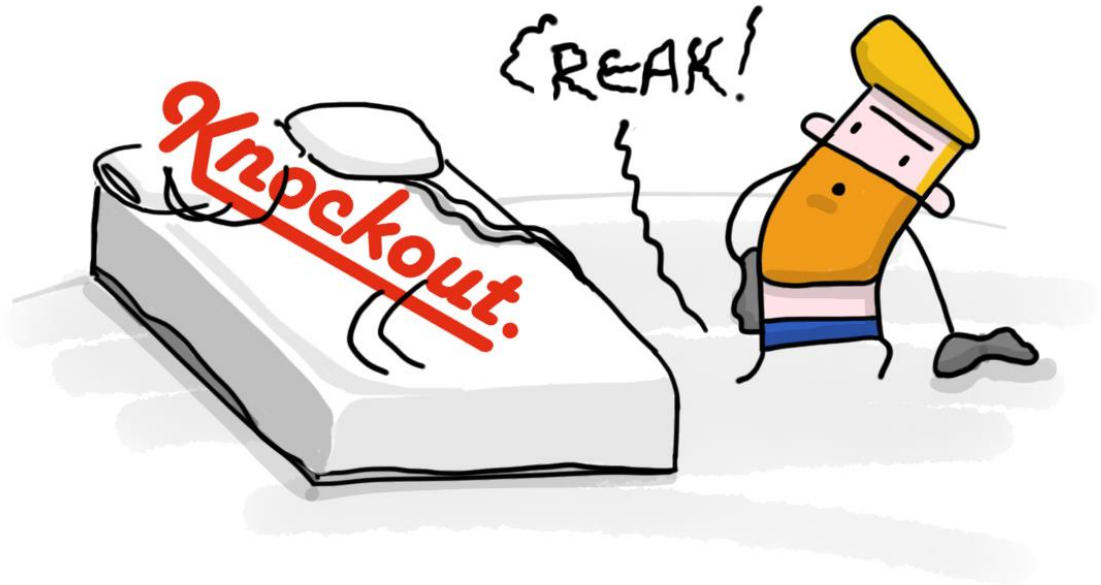
```
10 FOR n=0 TO 21
20 PRINT PEEK (PEEK 23627+256*PEEK 23628+n)
30 NEXT n
```

+3 BASIC

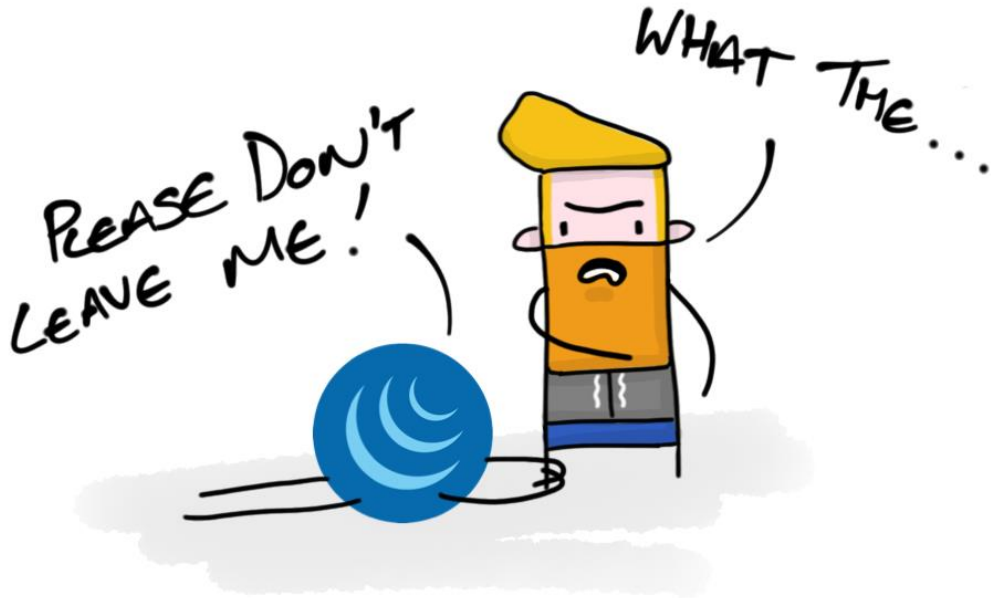
PLAYING THE FIELD



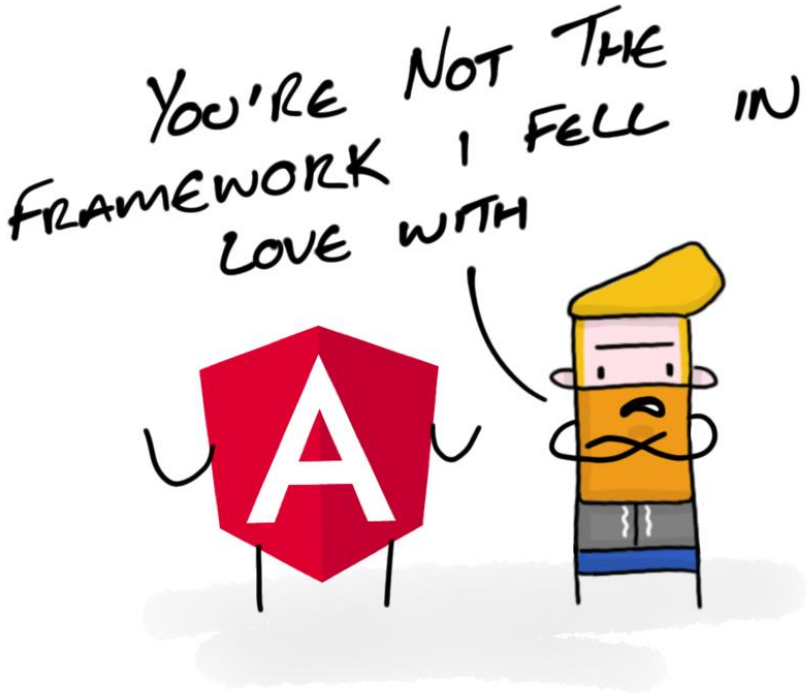
THE PSYCHO



THE FLING



THE CLING-ON

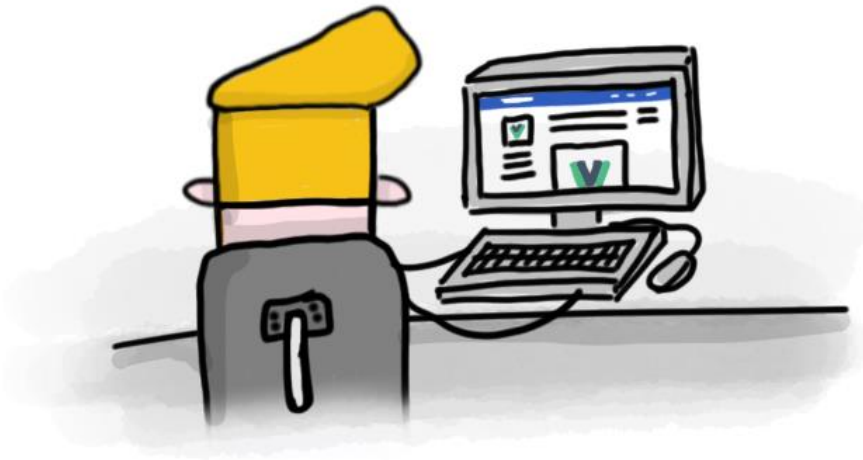


THE CHANGE-UP

BUT THEN...

THE SURPRISE

THE COURTSHIP BEGINS



THE WEB SEARCH

A LITTLE BACKGROUND

WHAT'S SO GOOD ABOUT IT?

IT'S PROGRESSIVE

AS SIMPLE OR AS COMPLEX AS YOU NEED

IT'S SMALL

63K MIN, 23K MIN + GZIP

IT'S PERFORMANT

ON A PAR OR FASTER THAN ANGULAR AND REACT

IT'S FAMILIAR

{{ }}, V-IF, V-FOR, V-BIND, V-ON

IT'S REACTIVE
EVENTS ON STEROIDS

IT'S FRIENDLY

GREAT DOCS AND DEV TOOLS

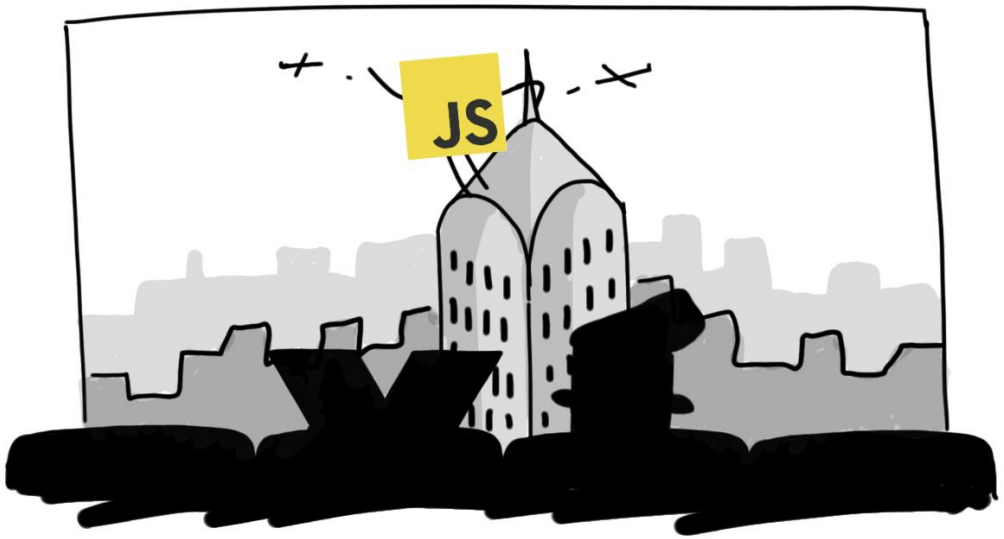
WHO IS USING IT?

laravel

Alibaba.com

pagekit

Tour de
Yorkshire



THE FIRST DATE

THE FUNDAMENTALS

```
<script src="/js/vue.js"></script>
```

```
<!-- Input -->
<div id="app">
 {{ message }}
</div>


<!-- Output -->
<div id="app">
 Hello World!
</div>
```

```
var app = new Vue({
  el: '#app',
  data: {
    message: 'Hello World!'
  }
});
```

```
<!-- Input -->
<div id="app">
 {{ message }}
</div>


<!-- Output -->
<div id="app">
 Hello World!
</div>
```

```
var app = new Vue({
  el: '#app',
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    message: 'Hello World!'
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 {{ message }}
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<!-- Output -->
<div id="app">
 Hello World!
</div>
```

```
var app = new Vue({
  el: '#app',
  data: {
    message: 'Hello World!'
  }
});
```

```
<!-- Input -->
<div id="app">
 {{ message }}
</div>


<!-- Output -->
<div id="app">
 Hello Vue!
</div>
```

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

CORE FEATURES

```
<!-- Conditional Rendering -->
<span v-if="type === 'A'">Type A</span>
<span v-else-if="type === 'B'">Type B</span>
<span v-else-if="type === 'C'">Type C</span>
<span v-else>Unknown Type</span>

<!-- Also -->
<span v-show="show">Visible</span>
```

```
<!-- Looping -->
<ol>
  <li v-for="todo in todos">
    {{ todo.text }}
  </li>
</ol>
```

```
var app = new Vue({
  ...,
  data: {
    todos: [
      { text: 'Todo 1' },
      { text: 'Todo 2' },
      { text: 'Todo 3' }
    ]
  }
})
```

```
<!-- Attribute Binding -->
<a v-bind:href="myLink">
  Click me
</a>

<!-- Shorthand -->
<a :href="myLink">
  Click me
</a>
```

```
var app = new Vue({
  ...,
  data: {
    myLink: 'http://...'
  }
})
```

```
<!-- Event Handling -->
<a v-on:click="doSomething">
  Click me
</a>

<!-- Shorthand -->
<a @click="doSomething">
  Click me
</a>
```

```
var app = new Vue({
  ...,
  methods: {
    doSomething: function() {
      // Do something
    }
  }
})
```

```
<!-- Watches -->
<div>
  {{ friendlyAge }}
</div>
```

```
var app = new Vue({
  ...,
  data: {
    age: 24,
    friendlyAge: ''
  }
  watch: {
    age: function(newVal, oldVal) {
      this.friendlyAge = newVal +
          ' years old';
    }
  }
})
```

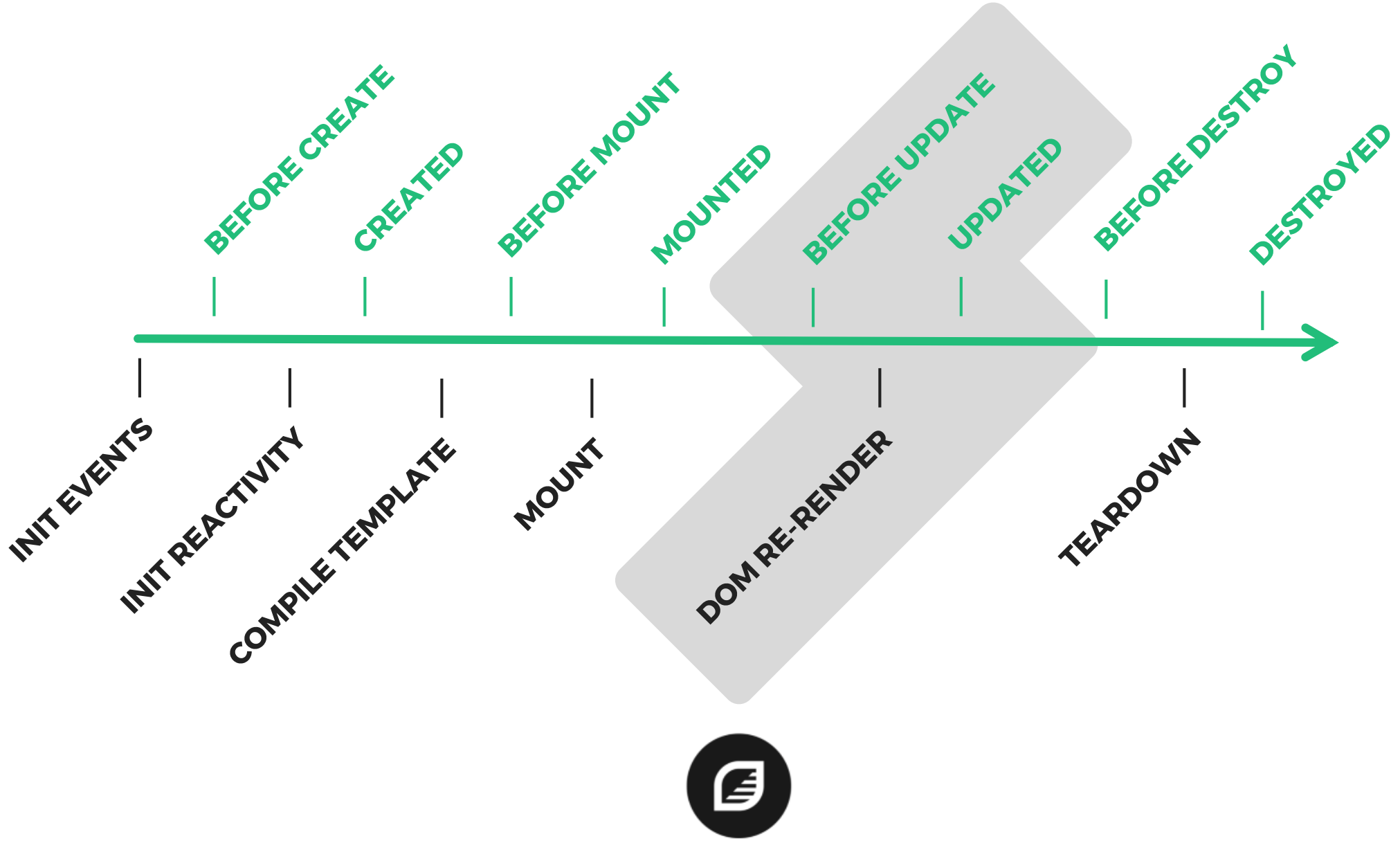
```
<!-- Computed Properties -->
<div>
  {{ friendlyAge }}
</div>
```

```
var app = new Vue({
  ...,
  data: {
    age: 24
  }
  computed: {
    friendlyAge: function() {
      return this.age +
          ' years old';
    }
  }
})
```

```
<!-- User Input -->
<input
  type="number"
  v-model.number="age" />
```

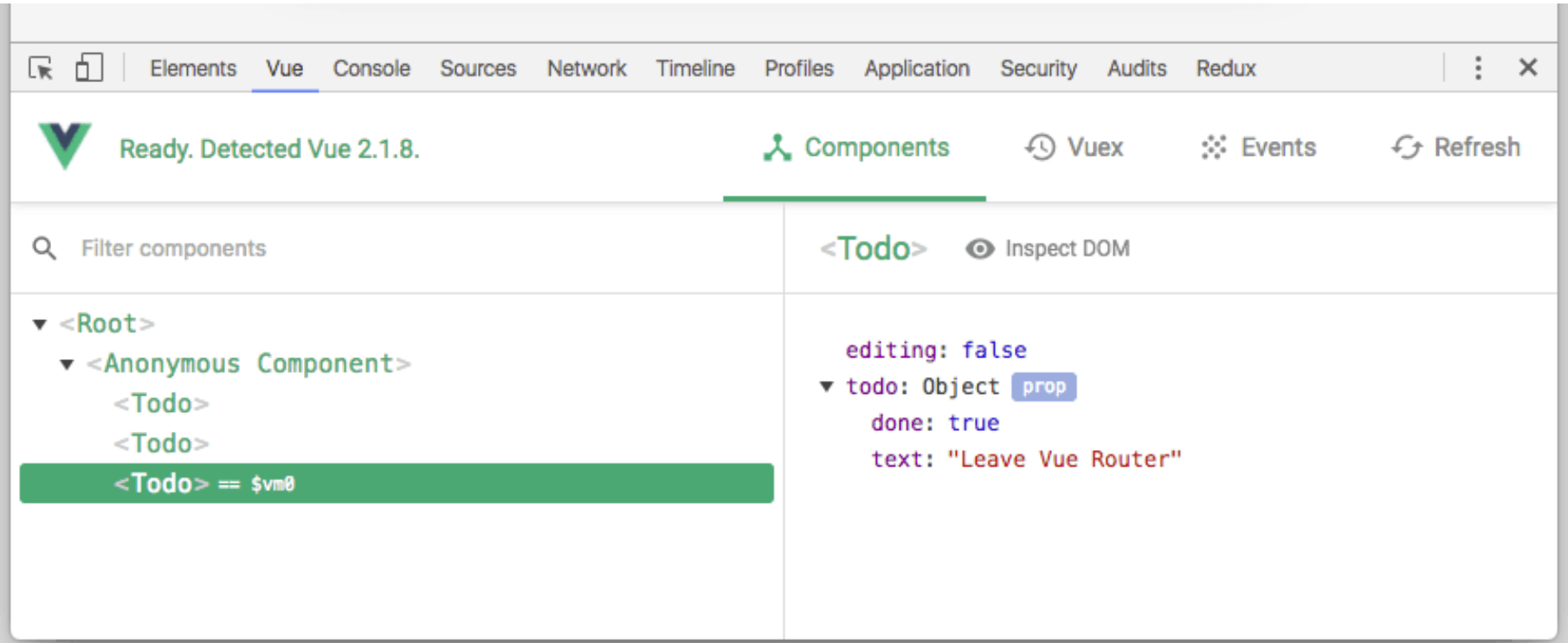
```
var app = new Vue({
  ...,
  data: {
    age: 24
  }
})
```

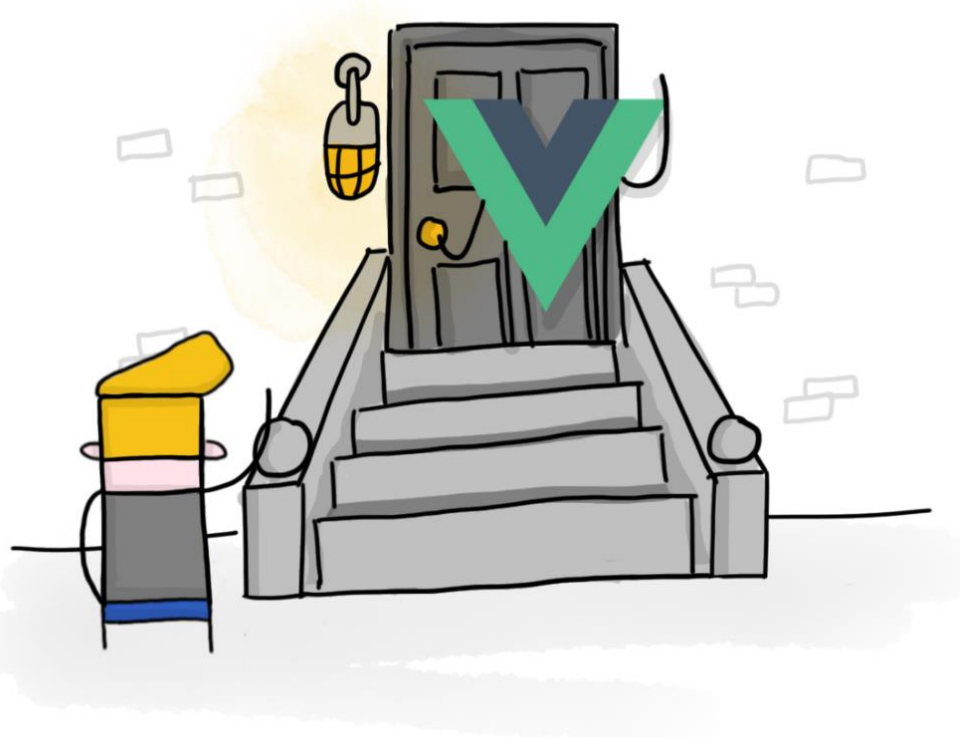
LIFECYCLE

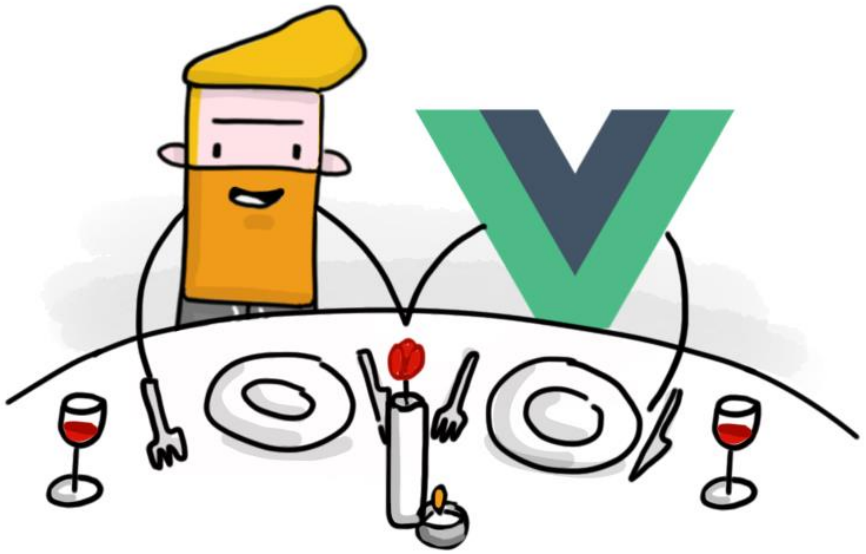

BEFORE CREATE
CREATED
BEFORE MOUNT
MOUNTED
BEFORE UPDATE
UPDATED
BEFORE DESTROY
DESTROYED
INIT EVENTS
INIT REACTIVITY
COMPILE TEMPLATE
MOUNT
DOM RE-RENDER
TEARDOWN

```
var app = new Vue({
  ...,
  mounted: function () {
    // Do something on mount
  },
  destroyed: function () {
    // Do some cleanup
  }
})
```

DEV TOOLS


Elements
Vue
Console
Sources
Network
Timeline
Profiles
Application
Security
Audits
Redux
Ready. Detected Vue 2.1.8.
Components
Vuex
Events
Refresh
Filter components
<Todo>
Inspect DOM
<Root>
<Anonymous Component>
<Todo>
<Todo>
<Todo> == $vm0
editing: false
todo: Object
prop
done: true
text: "Leave Vue Router"





THE SECOND DATE

COMPONENTS

```
<!-- One Giant View -->
<button v-on:click="count1++">
You clicked me {{ count1 }} times.
</button>

<button v-on:click="count2++">
You clicked me {{ count2 }} times.
</button>

<button v-on:click="count3++">
You clicked me {{ count3 }} times.
</button>
```

```
var app = new Vue({
  ...,
  data: {
    count1: 0,
    count2: 0,
    count3: 0
  }
})
```

```
<!-- Componentised View -->
<div id="app">
  <button-counter />
  <button-counter />
  <button-counter />
</div>
```

```
Vue.component(...)

var app = new Vue({
  el: '#app'
})
```

```
Vue.component('button-counter', {
  data: function () {
    return {
      count: 0
    }
  },
  template: '<button v-on:click="count++">You clicked me
    {{ count }} times.</button>'
})
```

```
Vue.component('button-counter', {
  data: function () {
    return {
      count: 0
    }
  },
  template: '<button v-on:click="count++">You clicked me
    {{ count }} times.</button>'
})
```

```
Vue.component('button-counter', {
  data: function () {
    return {
      count: 0
    }
  },
  template: '<button v-on:click="count++">You clicked me
    {{ count }} times.</button>'
})
```

```
Vue.component('button-counter', {
  data: function () {
    return {
      count: 0
    }
  },
  template: '<button v-on:click="count++">You clicked me
    {{ count }} times.</button>'
})
```

```
<!-- Componentised View -->
<div id="app">
  <button-counter />
  <button-counter />
  <button-counter />
</div>
```

```
Vue.component(...)

var app = new Vue({
  el: '#app'
})
```

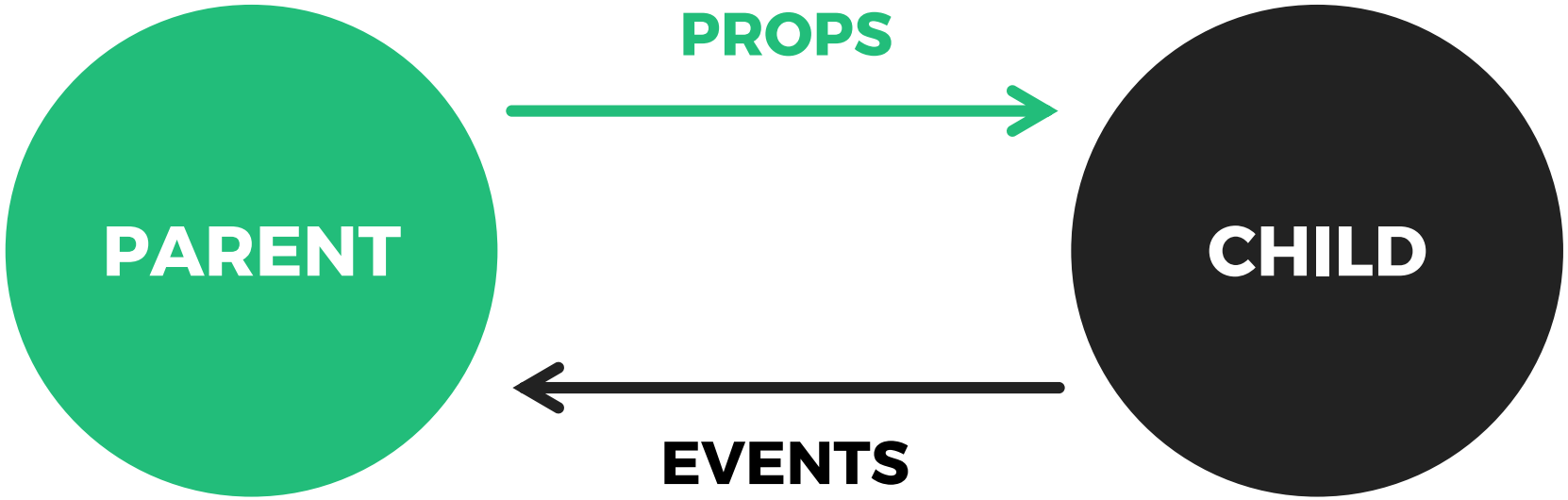
X-TEMPLATES

```
Vue.component('button-counter', {
  data: function () {
    return {
      count: 0
    }
  },
  template: '<button v-on:click="count++">You clicked me
    {{ count }} times.</button>'
})
```

```
<script type="text/x-template" id="button-counter">
  <button v-on:click="count++">You clicked me
    {{ count }} times.</button>
</script>
```

```
Vue.component('button-counter', {
  data: function () {
    return {
      count: 0
    }
  },
  template: '#button-counter'
})
```

PASSING DATA


PROPS
PARENT
CHILD
EVENTS

```
Vue.component('star-rating', {
  props: ['rating'],
  template: '#star-rating'
})
```

```
<script type="text/x-template" id="star-rating">
  <div class="star-rating">
    <a :class="{ highlight: rating >== 1 }">★</a>
    <a :class="{ highlight: rating >== 2 }">★</a>
    <a :class="{ highlight: rating >== 3 }">★</a>
    <a :class="{ highlight: rating >== 4 }">★</a>
    <a :class="{ highlight: rating === 5 }">★</a>
  </div>
</script>
```

```
<div v-for="product in products">
  <star-rating :rating="product.rating" />
</div>
```

```
<script type="text/x-template" id="star-rating">
  <div class="star-rating">
    <a :class="{ highlight: rating >== 1 }"
      @click="setRating(1)">★</a>
    ....
  </div>
</script>
```

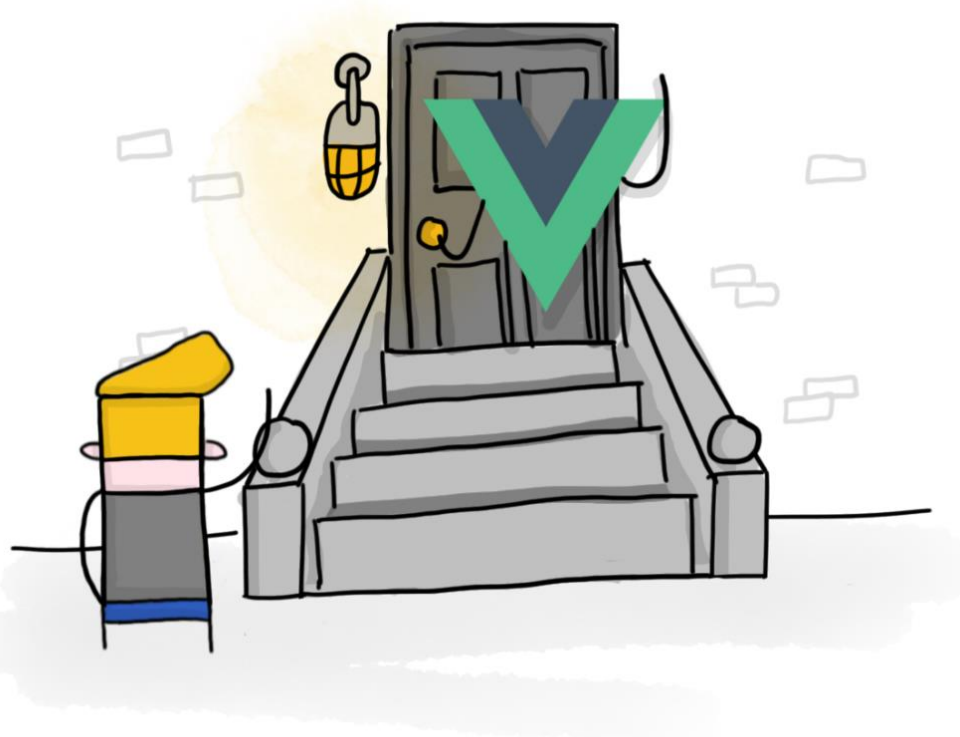
```
Vue.component('star-rating', {
  props: ['rating'],
  template: '#star-rating',
  methods: {
    setRating: function (newRating) {
      this.rating = newRating;
    }
  }
})
```

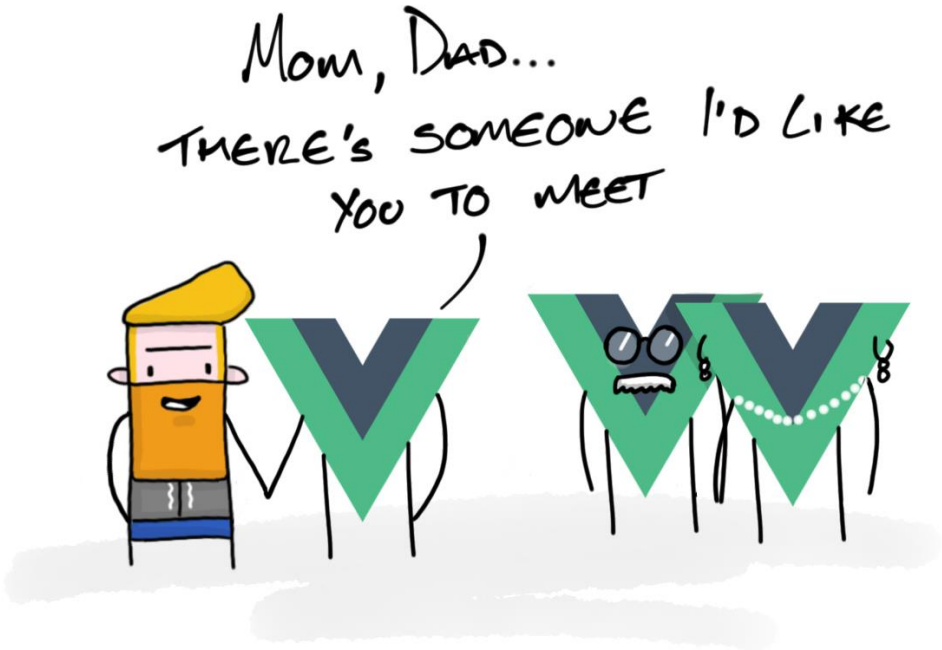
```
Vue.component('star-rating', {
  props: ['rating'],
  template: '#star-rating',
  methods: {
    setRating: function (newRating) {
      this.rating = newRating;
      this.$emit('rating-changed', newRating);
    }
  }
})
```

```
<div v-for="product in products">
  <star-rating :rating="product.rating"
    @rating-changed="handleRatingChanged" />
</div>
```

```
<div v-for="product in products">
  <star-rating v-model="product.rating" />
</div>
```

```
Vue.component('star-rating', {
  model: {
    prop: 'rating',
    event: 'rating-changed'
  },
  props: ['rating'],
  template: '#star-rating',
  methods: {
    setRating: function (newRating) {
      this.rating = newRating;
      this.$emit('rating-changed', newRating);
    }
  }
})
```





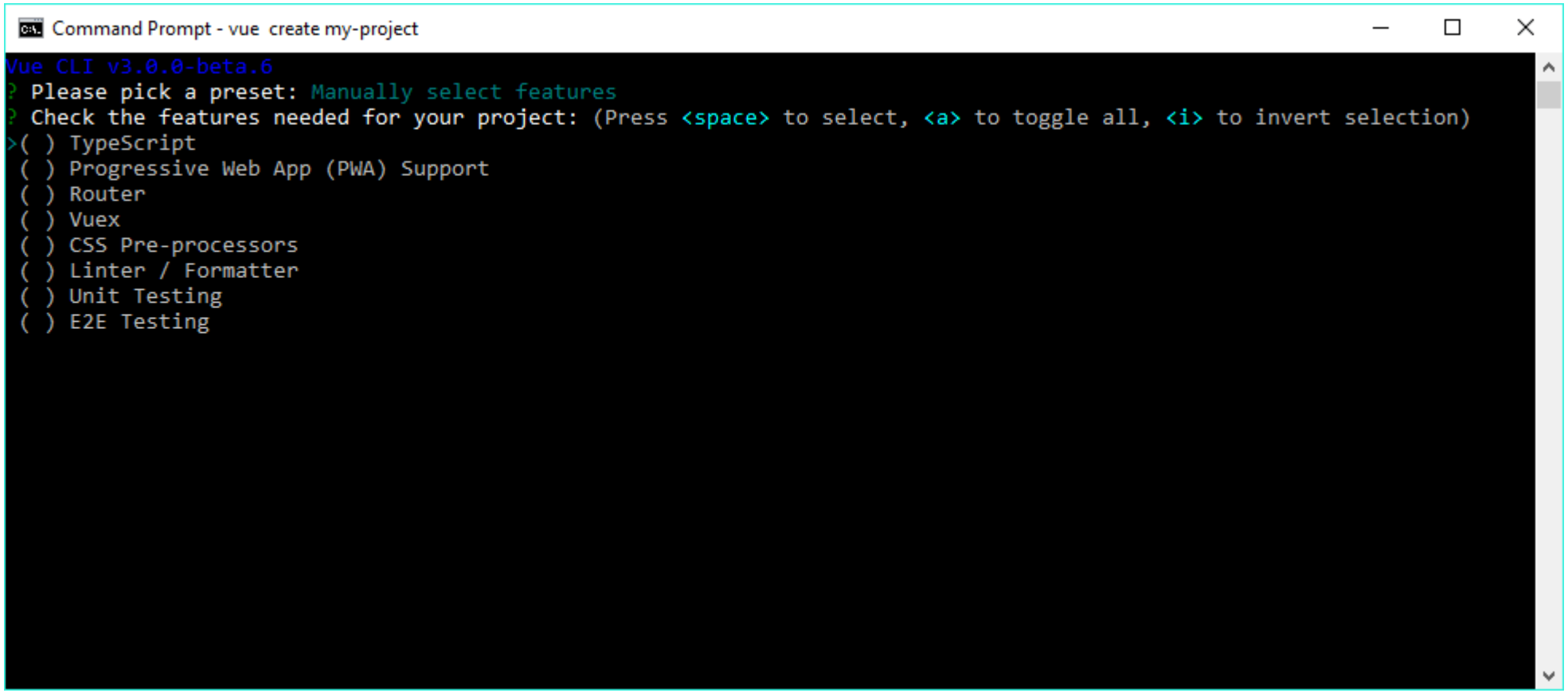
THE THIRD DATE

SFC'S & BUILD PROCESS

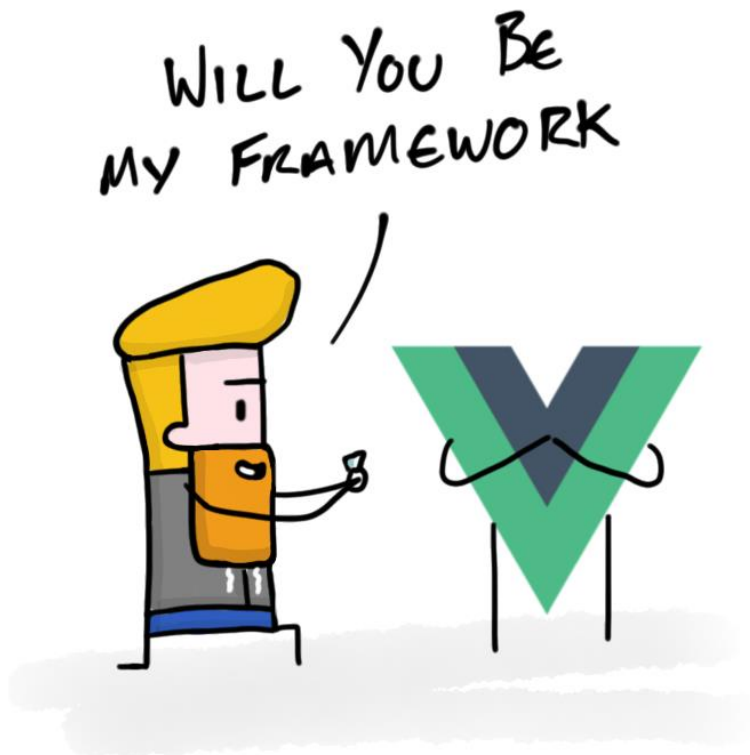
```vue
<!-- my-component.vue -->
<template>
  <div class="my-component">{{ greeting }} World!</div>
</template>

<script>
  export default {
    data () {
      return { greeting: 'Hello' }
    }
  }
</script>

<style lang="scss" scoped>
  .my-component { color: #BADA55; }
</style>
```

```
import MyComponent from './my-component.vue'

new Vue({
  ...,
  components: { MyComponent  }
})
```

```
npm install -g @vue/cli
vue create my-project
```


Command Prompt - vue create my-project
Vue CLI v3.0.0-beta.6
? Please pick a preset: Manually select features
? Check the features needed for your project: (Press <space> to select, <a> to toggle all, <i> to invert selection)
>( ) TypeScript
( ) Progressive Web App (PWA) Support
( ) Router
( ) Vuex
( ) CSS Pre-processors
( ) Linter / Formatter
( ) Unit Testing
( ) E2E Testing

```
cd my-project
npm run serve
# or
npm run build
```


WILL YOU BE
MY FRAMEWORK

THE FUTURE

THIS IS JUST THE BEGINING

ROUTING STATE MANAGEMENT
SERVER SIDE RENDERING
STATIC SITE GENERATION
SPAS NATIVE APPS PLUGINS
AND MORE ...

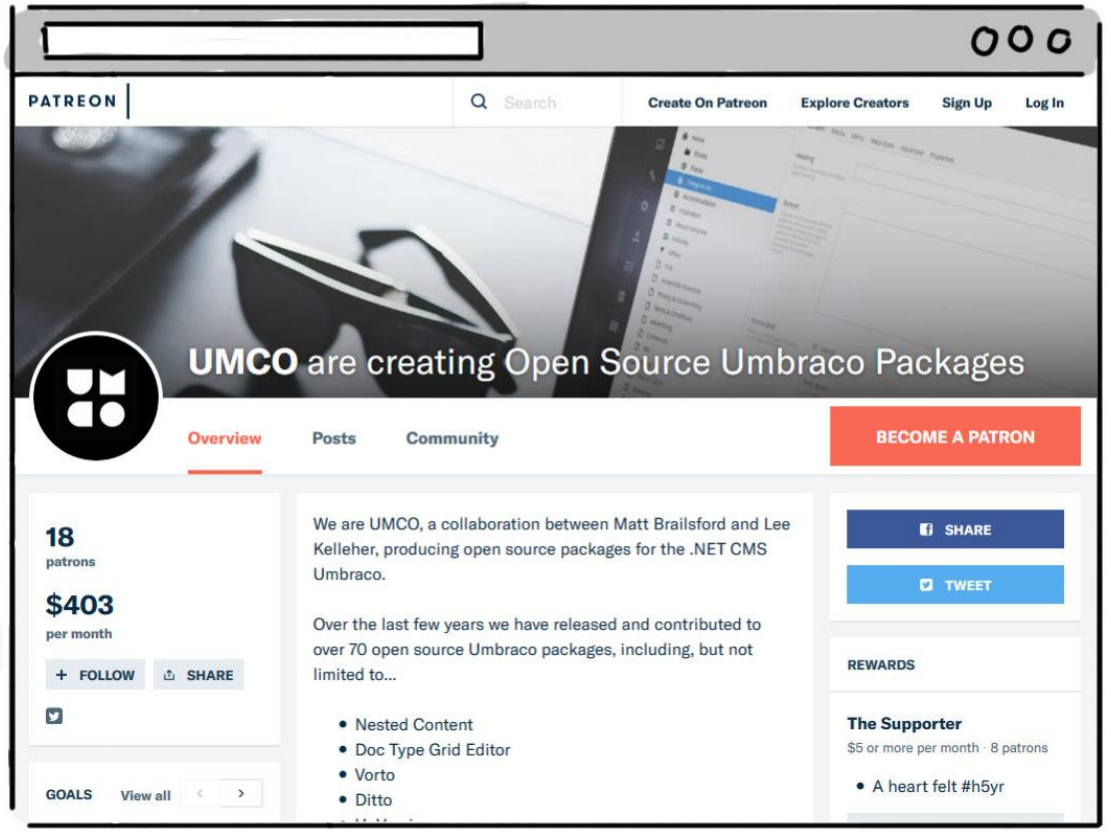
HTTPS://VUEJS.ORG/V2/GUIDE/

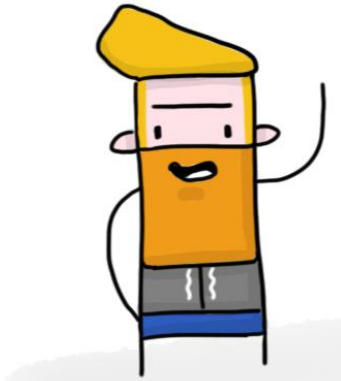
HAPPY EVER AFTER

TO SUMMARISE

~~ONE~~ TWO LAST THINGS

[>.CODECABIN
THE UMBRACO DEVELOPER UNCONFERENCE
CODECAB.IN | 12TH - 18TH OCTOBER 2018





HTTPS://PATREON.COM/UMCO

THANK YOU

@MATTBRAILSFORD - OUTFIELD DIGITAL