



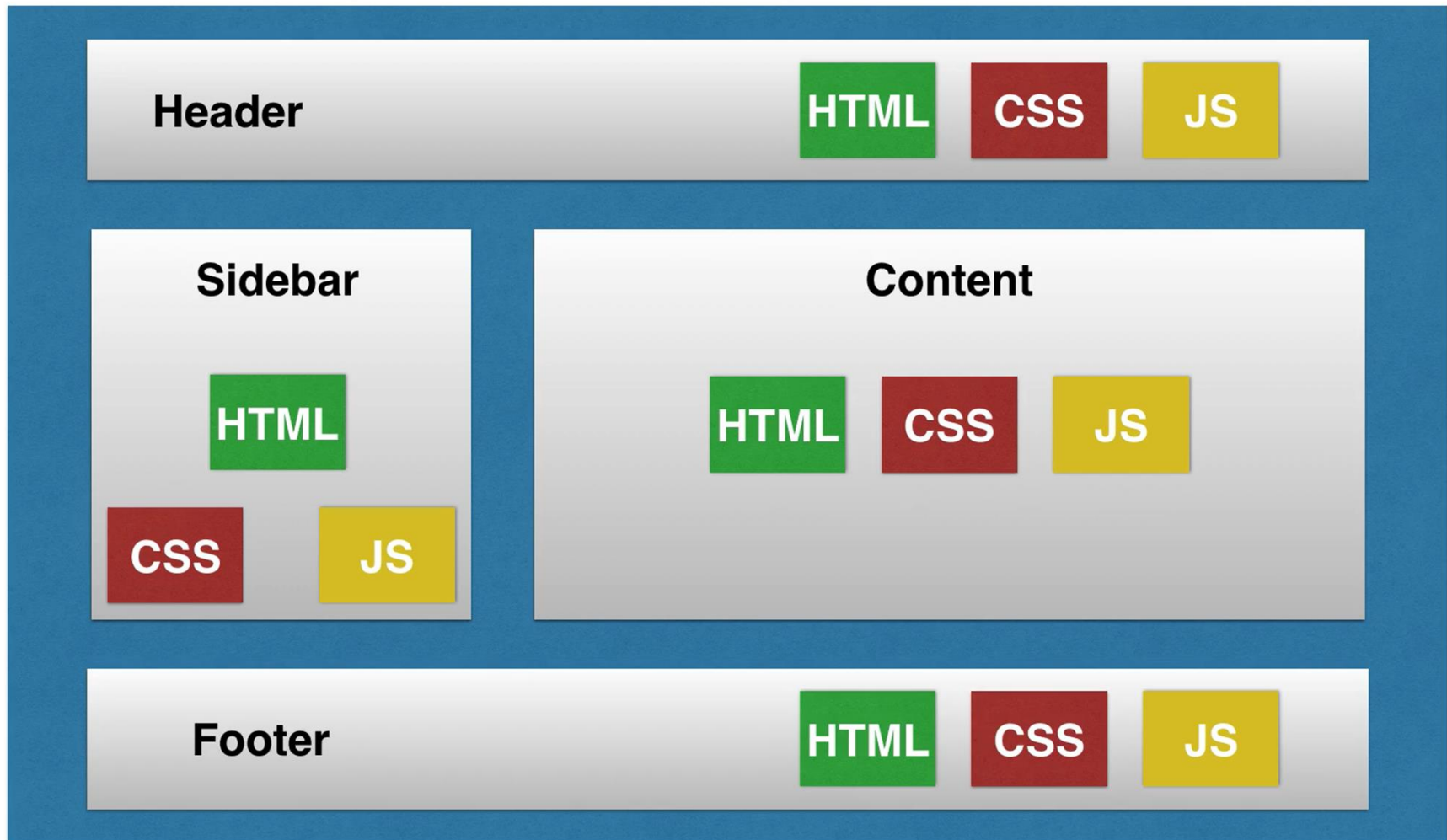
Introduction to VUE.js

Stanley Seow

Why Vue ?

- Fast
- Simplify
- Lightweight
- Progressive
- Flexible
- Large community
- Hugh eco-systems
- <https://github.com/vuejs/awesome-vue>

Vue Approach



Single File Components

<template>

</template>

<script>

</script>

<style>

</style>

Blank Vue Template

```
<template>
```

```
<div id="app">
```

HTML codes here

```
</div>
```

```
</template>
```

Blank Vue Script

```
<script>
export default {
  data() {
    return {
      message: "Hello",
    }
  },
  methods: {
  },
  computed: {
  }
}
</script>
```

Blank Vue Style

```
<style>
#app {
font-family: "Avenir", Helvetica, Arial, sans-serif;
}
.style1 {
font-size: 40px;
}
.style2 {
background: green;
}

</style>
```

Packages Needed

- Vue 2.x <https://vuejs.org>
- Bootstrap
- <https://bootstrap-vue.org/docs>
- Codesandbox.io

Vue Mastery

- <https://www.vuemastery.com/courses/intro-to-vue-js/vue-instance>

Data Binding

- One way data binding
- Two ways data binding

One Way Data Binding

```
<template>  
{{ message }}  
</template>
```

```
<script>  
export default {  
  data() {  
    return {  
      message: "Hello",  
    }  
  }  
}  
</script>
```

Two Ways Data Binding

```
<template>
  {{ message }}
  Message: <input type="text" v-model="message">

</template>

<script>
export default {
  data() {
    return {
      message: "Hello",
    }
  }
}
</script>
```

Exercise

- Form : -
- Name
- Address 1
- Address 2
- Telephone
- E-mail

- Display the info below

v-bind: (or :)

- Dynamically bind one or more attributes, or a component prop to an expression.
- When used to bind the class or style attribute, it supports additional value types such as Array or Objects.

Or

v-model

- Create a two-way binding on a form input element or a component. For detailed usage and other notes, see the Guide section linked below.

```
<input v-model="message" placeholder="edit me"> <p>Message is: {{ message }}</p>
```

v-on (@)

- Attaches an event listener to the element. The event type is denoted by the argument. The expression can be a method name, an inline statement, or omitted if there are modifiers present.
- When used on a normal element, it listens to native DOM events only. When used on a custom element component, it listens to **custom events** emitted on that child component.
- <https://developer.mozilla.org/en-US/docs/Web/Events> (DOM Events)

v-on (@)

Handle mouse click event

`<button v-on:click="increase">+</button>`

or

`<button @click="increase">+</button>`

Mouse Events

click: A pointing device button (ANY button; soon to be primary button only) has been pressed and released on an element.

mouseover: A pointing device is moved onto the element that has the listener attached or onto one of its children.