Module 3 - Lecture 11
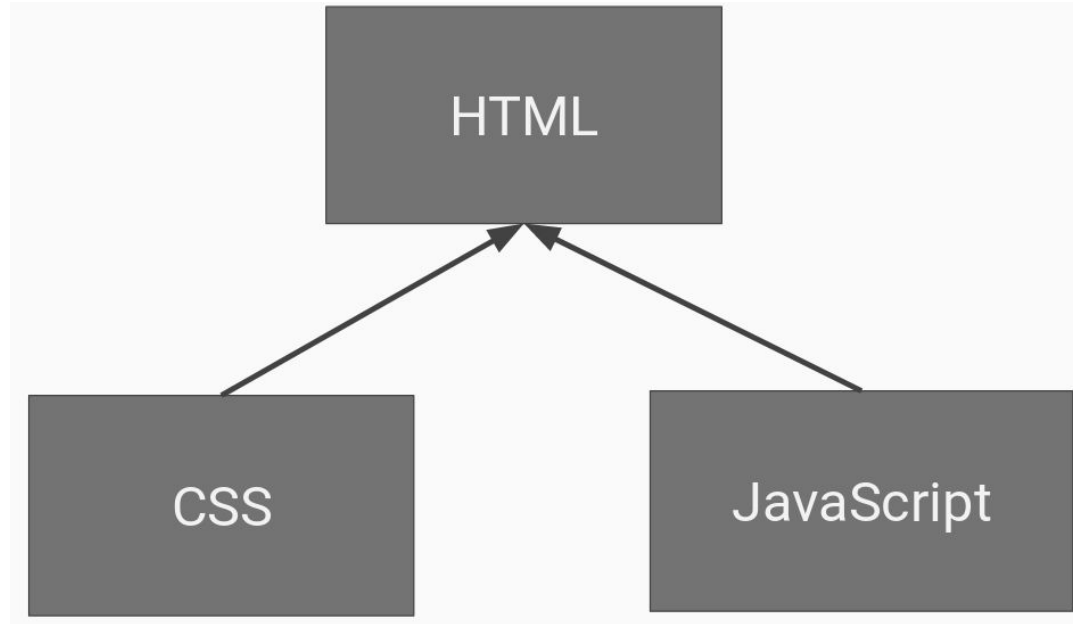
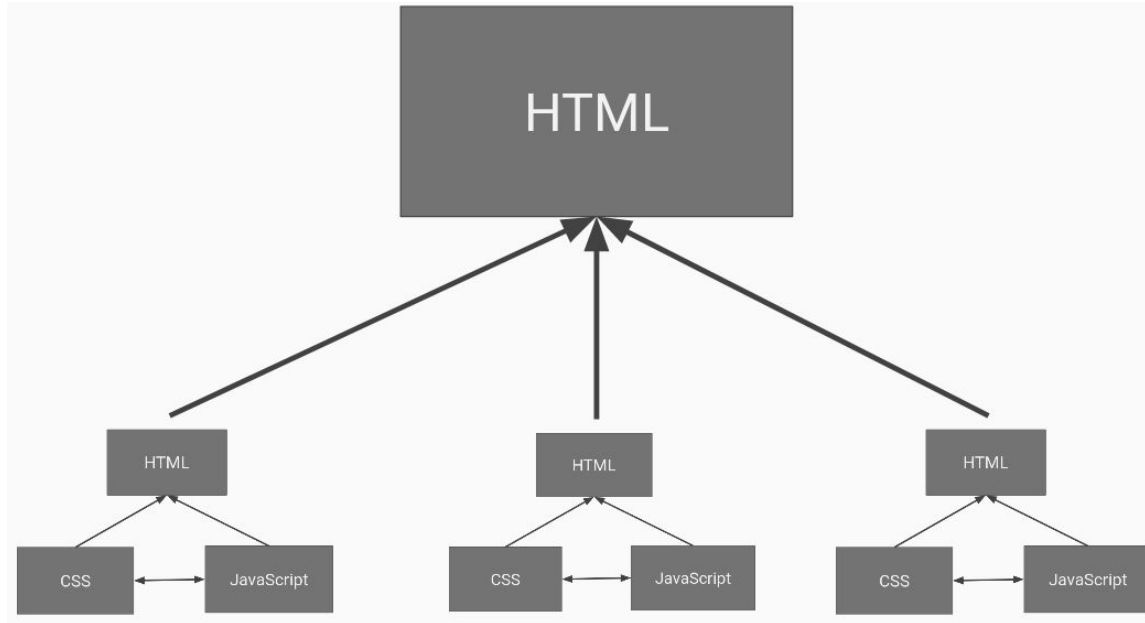# Introduction to Vue & Data Binding

Traditional Web Page

Modern Web Page

Parts of a Vue Component

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

```html
<script>
export default {
  name: 'app'
}
</script>
```

```html
<style>
#app {
  font-family: 'Avenir', Helvetica, Arial, sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
  text-align: center;
  color: #2c3e50;
  margin-top: 60px;
}
</style>
```

One-Way Data Binding

Assume you have a JavaScript object in your Vue component

```
data() {
  return { name: 'Walt', title: 'Instructor' };
}
```

Bind data to your HTML template using one-way data binding.

```
<h1>{{ name }}</h1>
<h2>My title is: {{ title }}</h2>
```

Vue Directives

- Vue prefaces directives with **v-**

- Directives can contain simple variable interpolation or complex JavaScript code.

- Directives that we'll explore:

    - **v-bind** - bind data to an HTML attribute e.g. id, class, src, value, etc

    - **v-model** - two-way data binding

    - **v-if & v-else / v-show & v-hide** - conditionally render HTML

    - **v-for** - render an HTML element repetitively

QUESTIONS?