



# Vue.js: The Progressive JavaScript Framework

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Vue is easy

Reactive web development concepts

# Templates and Data Binding

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/vue/2.4.2/vue.js" language="JavaScript"></script>
```

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

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

Result   JavaScript   HTML   CSS



Edit in JSFiddle

hello Vue!

# Playing with the DOM

```
<script src="https://cdnjs.cloudflare.com/ajax  
/libs/vue/2.4.2/vue.js" language="JavaScript"></script>
```

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

```
var example1 = new Vue({  
  el: '#example-1',  
  data: {  
    items: [  
      { message: 'Foo' },  
      { message: 'Bar' }  
    ]  
  }  
})
```

Result

JavaScript

HTML

CSS



Edit in JSFiddle

- Foo
- Bar

# Two-Way Data Binding

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/vue/2.4.2/vue.js" language="JavaScript"></script>
```

```
<input v-model="message" placeholder="edit me">
```

```
<p>Message is: {{ message }}</p>
```

Result

JavaScript

HTML

CSS



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Foo

Message is: Foo

# Two-Way Data Binding

```
<select v-model="selected" multiple>
  <option>A</option>
  <option>B</option>
  <option>C</option>
</select>
<br>
<span>Selected: {{ selected }}</span>
```

Result   JavaScript   HTML   CSS



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A  
B  
C

Selected:

# Transition Effects

```
<script src="https://cdnjs.cloudflare.com/
ajax/libs/vue/2.4.2/vue.js"
  language="JavaScript"></script>
```

```
<div id="demo">
  <button v-on:click="show = !show">
    Toggle
  </button>
  <transition name="fade">
    <p v-if="show">hello</p>
  </transition>
</div>
```

```
new Vue({
  el: '#demo',
  data: {
    show: true
  }
})
```

```
.fade-enter-active, .fade-leave-active {
  transition: opacity .5s
}
.fade-enter, .fade-leave-to
```

Result

JavaScript

HTML

CSS



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Toggle

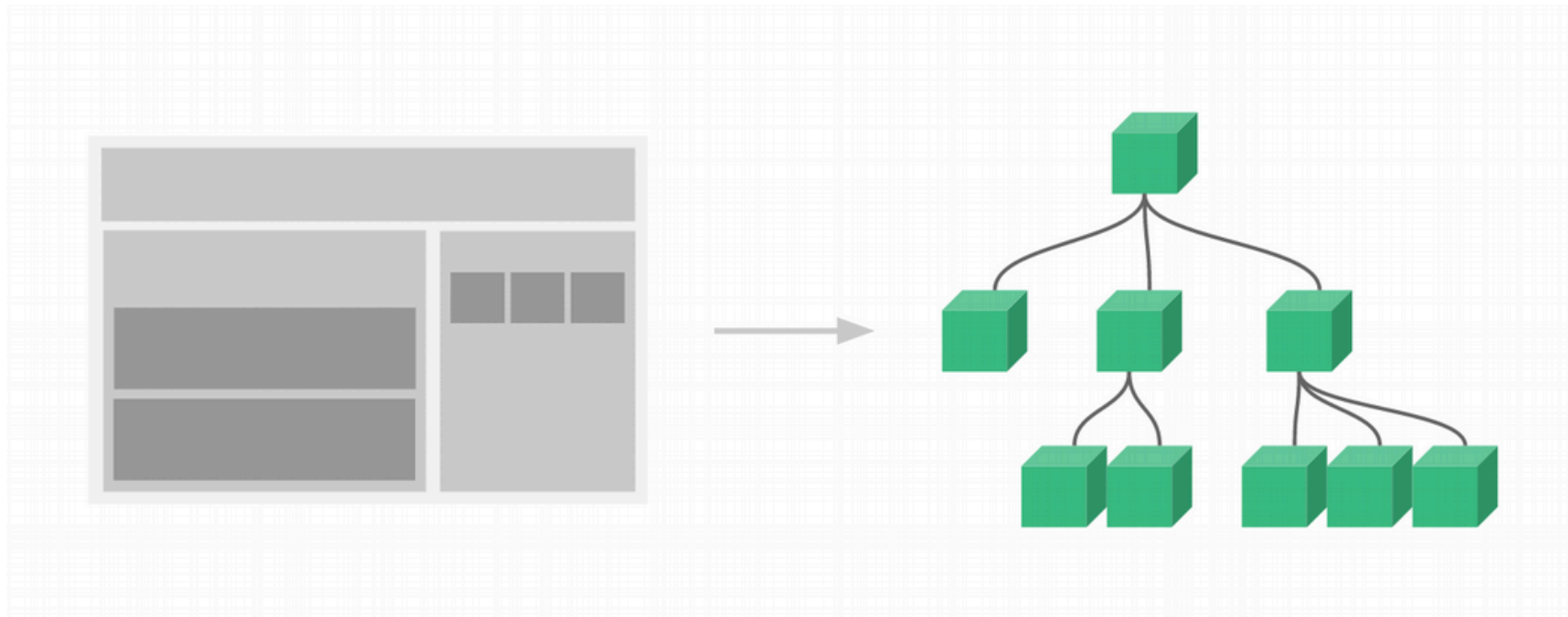
hello

Vue can be easily integrated

LARGE or small



# Components



# Components

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/vue/2.4.2/vue.js" language="JavaScript"></script>
<div id="example">
  <my-component></my-component>
</div>
```

```
// register
Vue.component('my-component', {
  template: '<div>A custom component!</div>'
})
// create a root instance
new Vue({
  el: '#example'
})
```

Clean and Simple

# Clean and Simple

- Vue was created by Evan You after working for Google on AngularJS. You later summed up his thought process,

I figured, what if I could just **\*\* extract the part that I really liked \*\*** about Angular and build something **really lightweight** without all the extra concepts involved?

# Concepts très proches d'Angular

- composant
- binding modèle vue
- directive
- props  $\Leftrightarrow$  input port
- emit  $\Leftrightarrow$  output port
- Lifecycle hooks
- Router

# Compatible avec TypeScript

- Demo