



VueJs 2.x

The Progressive JavaScript Framework

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WARNING !!!

Vue does not support IE8 and below, because it uses ECMAScript 5 features that are un-shimmable in IE8.

APPROACHABLE

Start building with HTML, CSS and JavaScript

VERSATILE

- Simple,
- Minimal core with an incrementally adoptable stack that can handle apps of any scale.

PERFORMANT

- 20kb min+gzip Runtime
- Blazing Fast **Virtual DOM**
- Minimal Optimization Efforts

INTRODUCTION

- The core library is focused on the view layer only,
- Easy to pick up and integrate with other libraries or existing projects.
- Capable of powering sophisticated Single-Page Application
- Tooling friendly
 - Create components with ES6, Typescript, Jade
 - Integrate with NPM, Bower
 - Develop with Webpack, Gulp, Grunt or Browserify plugins

GETTING STARTED

- CDN

- `<script src="https://unpkg.com/vue"></script>`

- Download

- Npm

- `npm install vue`

- Vue-cli

- `npm install --global vue-cli`

DECLARATIVE-RENDERING

Declaratively render data to the DOM using straightforward template syntax

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

```
<div id="app">  
  <p v-text="message">  
  </p>  
</div>
```

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

Hello Vue!

BIND ELEMENT ATTRIBUTES WITH DATA

```
<div id="app-2">  
  <span v-bind:title="message">  
    Hover your mouse over me for a few seconds  
    to see my dynamically bound title!  
  </span>  
</div>
```

```
var app2 = new Vue({  
  el: '#app-2',  
  data: {  
    message: 'You loaded this page on ' + new Date()  
  }  
})
```



CONDITIONALS

```
<div id="app-3">  
  <p v-if="seen">Now you see me</p>  
</div>
```

```
var app3 = new Vue({  
  el: '#app-3',  
  data: {  
    seen: true  
  }  
})
```

Now you see me

LOOPS

```
<div id="app-4">
  <ol>
    <li v-for="todo in todos">
      {{ todo.text }}
    </li>
  </ol>
</div>
```

```
var app4 = new Vue({
  el: '#app-4',
  data: {
    todos: [
      { text: 'Learn JavaScript' },
      { text: 'Learn Vue' },
      { text: 'Build something awesome' }
    ]
  }
})
```

1. Learn JavaScript
2. Learn Vue
3. Build something awesome

DIRECTIVES

- `v-text`
- `v-html`
- `v-show`
- `v-if`
- `v-else`
- `v-else-if`
- `v-for`
- `v-on`
- `v-bind`
- `v-model`
- `v-pre`
- `v-cloak`
- `v-once`

HANDLING USER INPUT - EVENTS

v-on directive to attach event listeners

```
<div id="app-5">
  <p>{{ message }}</p>
  <button v-on:click="reverseMessage">
    Reverse Message
  </button>
</div>
```

Hello Vue.js!

Reverse Message

```
var app5 = new Vue({
  el: '#app-5',
  data: {
    message: 'Hello Vue.js!'
  },
  methods: {
    reverseMessage: function () {
      this.message = this.message.split('').reverse().join('')
    }
  }
})
```

!sj.euV olleH

Reverse Message

HANDLING USER INPUT - MODELS

```
<div id="app-6">  
  <p>{{ message }}</p>  
  <input v-model="message">  
</div>
```

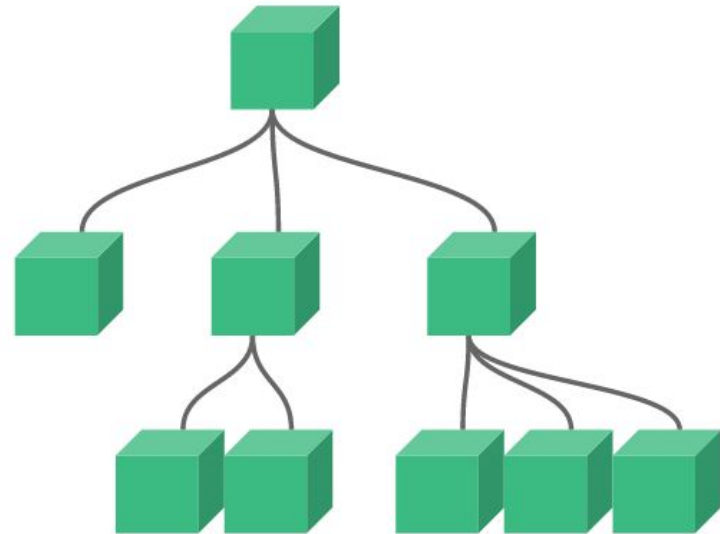
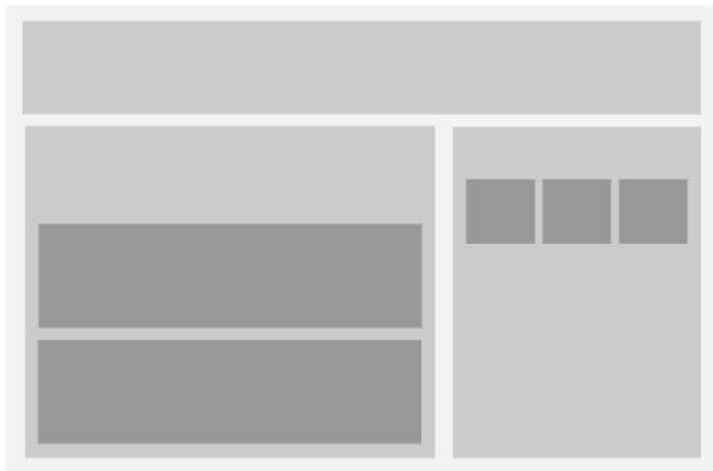
```
var app6 = new Vue({  
  el: '#app-6',  
  data: {  
    message: 'Hello Vue!'  
  }  
})
```

Hello Vue!ssssss

Hello Vue!ssssss

COMPOSING-WITH-COMPONENTS

Large-scale applications composed of small, self-contained, and often reusable components.



REGISTERING A COMPONENT

```
<ol>
```

```
<!-- Create an instance of the todo-item component -->
```

```
<todo-item></todo-item>
```

```
</ol>
```

```
// Define a new component called todo-item
```

```
Vue.component('todo-item', {  
  template: '<li>This is a todo</li>'  
})
```

PROPS

```
<div id="app-7">
  <ol>
    <todo-item
      v-for="item in groceryList"
      v-bind:todo="item"
      v-bind:key="item.id">
    </todo-item>
  </ol>
</div>
```

```
Vue.component('todo-item', {
  props: ['todo'],
  template: '<li>{{ todo.text }}</li>'
})
var app7 = new Vue({
  el: '#app-7',
  data: {
    groceryList: [
      { id: 0, text: 'Vegetables' },
      { id: 1, text: 'Cheese' },
      { id: 2, text: 'Whatever else humans are supposed to eat' }
    ]
  }
})
```

1. Vegetables
2. Cheese
3. Whatever else humans are supposed to eat

SAMPLE LAYOUT

```
<div id="app">  
  <app-nav></app-nav>  
  <app-view>  
    <app-sidebar></app-sidebar>  
    <app-content></app-content>  
  </app-view>  
</div>
```

FURTHER

The Vue Instance

Template Syntax

Computed Properties and Watchers

....

JUST STARTED... WILL
CONTINUE LATER