

VUE ESSENTIALS CHEAT SHEET

EXPRESSIONS

```
<div id="app">
  <p>I have a {{ product }}</p>
  <p>{{ product + 's' }}</p>
  <p>{{ isWorking ? 'YES' : 'NO' }}</p>
  <p>{{ product.getSalePrice() }}</p>
</div>
```

DIRECTIVES

```
<p v-if="inStock">{{ product }}</p>
```

Element inserted/removed based on truthiness

```
<p v-else-if="onOrder">..</h1>
<h1 v-else>..</h1>
```

```
<h1 v-show="ok">Hello!</h1>
```

Uses element's display CSS property

```
<input v-model="firstName" />
```

Two-way data binding

```
v-model.lazy="..."      Syncs input after change
```

```
v-model.number="..."    Always returns a number
```

```
v-model.trim="..."      Strips whitespace
```

LIST RENDERING

```
<li v-for="item in items" :key="item.id">
  {{ item }}
</li>
```

key always recommended

```
<li v-for="(item, index) in items">...
```

To access the position in the array

```
<li v-for="(value, key) in object">...
```

To iterate through objects

```
<my-item v-for="item in products"
  :product="item" :key="item.id">
```

Using v-for with a component

BINDING

```
<a v-bind:href="url">..</a>
```

shorthand

```
<a :href="url">..</a>
```

```
<button :disabled="isButtonDisabled">...
```

True or false will add or remove attribute

```
<div :class="{ active: isActive }">...
```

If isActive is truthy, the class 'active' will appear

```
<div :style="{ color: activeColor }">
```

Style color set to value of activeColor

ACTIONS / EVENTS

```
<button v-on:click="addToCart">...
```

Calls addToCart method on component

shorthand

```
<button @click="addToCart">...
```

```
<button @click="addToCart(product)">...
```

Arguments can be passed

```
<form @submit.prevent="addProduct">...
```

To prevent page reload

```
<img @mouseover.once="showImage">...
```

Only trigger once

```
.stop      Stop all event propagation
```

```
.self      Only trigger if event.target is element itself
```

```
<input @keyup.enter="submit">
```

Keyboard entry example

```
<input @keyup.ctrl.67="onCopy">
```

Call onCopy when control-c (c is key code 67) is pressed

.tab	.up	.ctrl
.delete	.down	.alt
.esc	.left	.shift
.space	.right	.meta

Key modifiers

```
.left      .right      .middle
```

Mouse modifiers



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VUE ESSENTIALS CHEAT SHEET

COMPONENT ANATOMY

```
Vue.component('my-component', {  
  props: {  
    // The parameters the component accepts  
    message: String,  
    product: Object,  
    email: {  
      type: String,  
      required: true,  
      default: "none"  
      validator: function (value) {  
        // Returns true or false  
      }  
    }  
  },  
  data: function() {  
    // Must be a function  
    return {  
      firstName: 'Vue',  
      lastName: 'Mastery'  
    }  
  },  
  methods: { ... }  
  computed: {  
    // Return values cached until dependencies change  
    fullName: function () {  
      return this.firstName + ' ' + this.lastName  
    }  
  }  
  watch: {  
    // Called when firstName changes value  
    firstName: function (value, oldValue) { .. }  
  },  
  components: {  
    // Components that can be used in the template  
    ProductComponent, ReviewComponent  
  },  
  template: '<span>{{ message }}</span>',  
  // Can also use backticks for multi-line  
})
```

CUSTOM EVENTS

Use props (above) to pass data into child components, custom events to pass data to parent elements.

```
<button-counter v-on:incrementBy="incWithVal">
```

Set listener on component, within its parent

```
methods: {  
  incWithVal: function (toAdd) {...}  
}
```

Inside parent component

```
this.$emit('incrementBy', 5)
```

Inside button-counter template



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LIFECYCLE HOOKS

beforeCreate
created
beforeMount
mounted

beforeUpdate
updated
beforeDestroy
destroyed

USING A SINGLE SLOT

```
<div>  
  <h2>I'm a title</h2>  
  <slot>  
    Only displayed if no content  
  </slot>  
</div>
```

Component template

```
<my-component>  
  <p>This will go in the slot</p>  
</my-component>
```

Use of component with data for slot

MULTIPLE SLOTS

```
<div class="container">  
  <header>  
    <slot name="header"></slot>  
  </header>  
  <main>  
    <slot>Default content</slot>  
  </main>  
  <footer>  
    <slot name="footer"></slot>  
  </footer>  
</div>
```

Component template

```
<app-layout>  
  <h1 slot="header">Page title</h1>  
  <p>the main content.</p>  
  <p slot="footer">Contact info</p>  
</app-layout>
```

Use of component with data for slot

NON-PARENT CHILD COMMUNICATION

```
var bus = new Vue()
```

Create global instance

```
bus.$emit('id-selected', 1)
```

Emit event from anywhere

```
bus.$on('id-selected',  
  function (id) { ... })
```

Listen for event