Displaying Lists and Conditional Content

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Lists and Conditionals

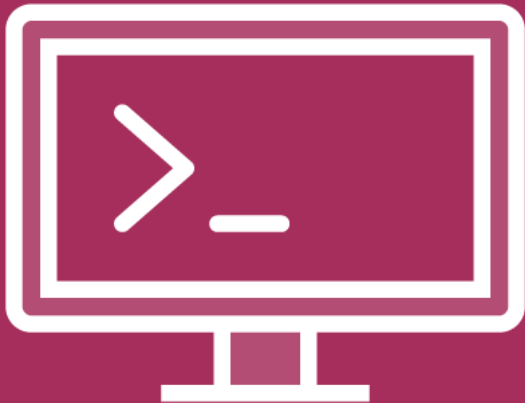How do we display lists?

How do we add content to the DOM when needed?

How do we hide and show content in the DOM?

Demo

Rendering Lists

```
heroes.vue

<ul>

  <li v-for="hero in heroes" :key="hero.id">                    Unique identifier

    {{ hero.name }}                                             Iterate

  </li>

</ul>
```
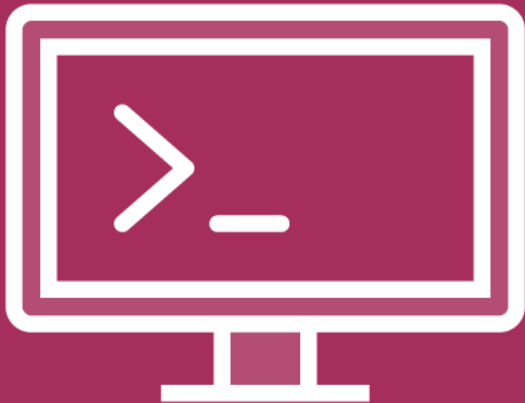
Render a List

Iterate over a list of items in a model with v-for=”item in item-list”

Repeats the HTML content for each item in the list

Bind to a unique :key, for faster rendering

Demo

Adding and Removing Content

Conditionals

Display content based on an expression

Content is added or removed from the DOM

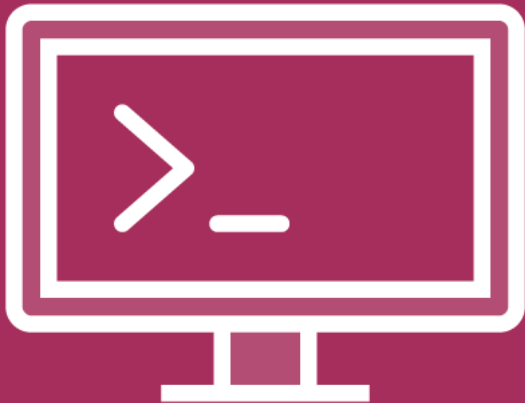**Set the v-if directive to an expression that evaluates to truthy or falsey**

```
heroes.vue
```

Add the content to the DOM if there is a selectedHero

```
<div v-if="selectedHero">

    You selected {{selectedHero.firstName}}

</div>
```

Demo

Showing and Hiding Content

Showing and Hiding

```
<div v-show="selectedHero">

    You selected a hero

</div>
```

Show/hide the content based on the expression

Show or hide content

Does not remove from the DOM

Use v-show="expression"

```
<div v-show="selectedHero">

    You selected {{selectedHero.firstName}}

</div>
```

This would not work when selectedHero is undefined

Top Tips for Lists and Conditionals

v-if — Conditionally add/remove content from the DOM

v-show — Conditionally show/hide content in the DOM

v-for — Iterate over a list, and repeat the template

:key — Identify the unique value for each row in the v-for

```
<ul>

  <li

    v-for="hero in heroes"

    :key="hero.id"

    @click="selectedHero=hero"

    :class="{ highlight: selectedHero === hero }"
  >{{ hero.name }}

  </li>

</ul>

<div v-if="selectedHero">

  You selected {{ selectedHero.name }}

</div>
```

The data model

```
data() {

  return {

    selectedHero: undefined,

    heroes: [

      { id: 10, name: "Ella" },

      { id: 20, name: "Madelyn" },

      { id: 30, name: "Haley" }

    ]

  };

},
```

Summary

Display a list

Add and remove content to/from the DOM

Show and hide content in the DOM