

Vue.js List Rendering

Topics : [Vue](#)

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List rendering in Vue.js involves rendering a list of items dynamically based on an array or an object. Vue.js provides several directives to handle list rendering. Here are some common techniques for list rendering in Vue.js:

1. **v-for Directive:** The v-for directive is used to iterate over an array and render elements for each item in the array.

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

<script>
export default {
  data() {
    return {
      items: [
        { id: 1, name: 'Item 1' },
        { id: 2, name: 'Item 2' },
        { id: 3, name: 'Item 3' }
      ]
    };
  }
};
</script>
```

The :key attribute is essential when using v-for to help Vue.js efficiently update the DOM.

2. **v-for with Index:** You can also access the index of the current iteration using v-for.

```
<template>
<ul>
<li v-for="(item, index) in items" :key="index">{{ index + 1 }}. {{ item.name }}</li>
</ul>
</template>

<script>
```

```
export default {
  data() {
    return {
      items: [
        { name: 'Item 1' },
        { name: 'Item 2' },
        { name: 'Item 3' }
      ]
    };
  }
};
</script>
```

3. **Rendering an Object with v-for:** You can use v-for to iterate over the properties of an object.

```
<template>
<ul>
<li v-for="(value, key) in user" :key="key">{{ key }}: {{ value }}</li>
</ul>
</template>
```

```
<script>
export default {
  data() {
    return {
      user: {
        name: 'John Doe',
        age: 25,
        email: 'john@example.com'
      }
    };
  }
};
</script>
```

4. **v-for with v-if:** You can combine v-for with v-if to conditionally render items.

```
<template>
<ul>
<li v-for="item in items" :key="item.id" v-if="item.status === 'active'">
  {{ item.name }}
</li>
</ul>
</template>
```

```
<script>
export default {
  data() {
    return {
```

```
items: [  
  { id: 1, name: 'Item 1', status: 'active' },  
  { id: 2, name: 'Item 2', status: 'inactive' },  
  { id: 3, name: 'Item 3', status: 'active' }  
]  
};  
}  
};  
</script>
```

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