Vue.js Attribute Bindings

Topics : Vue
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In Vue.js, attribute bindings are achieved using the `v-bind` directive. This directive allows you to bind an attribute to an expression or a computed value in your Vue instance. Attribute bindings are commonly used to dynamically set HTML attributes based on the data in your Vue application. Here's how you can use `v-bind` for attribute bindings:

1. Basic Attribute Binding:

Use `v-bind` to bind an attribute to a data property or expression.

Example:

```
<img v-bind:src="imageUrl">
```

or using shorthand syntax:

```
<img :src="imageUrl">
```

In this example, the `src` attribute of the `img` tag is bound to the value of the `imageUrl` property in your Vue instance.

2. Dynamic Classes:

Bind classes dynamically based on certain conditions using `v-bind:class`.

Example:

```
<div v-bind:class="{ active: isActive, 'text-danger': hasError }">
<!-- other content -->
</div>
```

Here, the `active` class is applied if `isActive` is true, and the `text-danger` class is applied if `hasError` is true.

3. Style Binding:

You can bind styles dynamically using `v-bind:style`.

Example:

```
<div v-bind:style="{ color: textColor, fontSize: fontSize + 'px' }">
```

```
<!-- other content -->
</div>
```

In this example, the `color` style is bound to the value of the `textColor` property, and the `fontSize` style is bound to the value of `fontSize` with 'px' appended.

4. Boolean Attributes:

For boolean attributes, you can use `v-bind` without a value. Vue.js will treat it as true if the corresponding property is truthy.

Example:

```
<button v-bind:disabled="isButtonDisabled">Click me</button>
```

Here, the `disabled` attribute will be added to the button if `isButtonDisabled` is true.

5. Conditional Attribute Binding:

You can conditionally bind an attribute based on a condition using a ternary expression.

Example:

```
<a v-bind:href="isExternal ? externalUrl : internalUrl">Visit the website</a>
```

In this case, the `href` attribute is bound to either `externalUrl` or `internalUrl` based on the value of the `isExternal` property.