LU05a - v-bind

Learning ojectives

1. Explaining what v-bind is
2. Naming what kind of object v-bind can include into the HTML-DOM
3. Using v-bind in a simple cases

Sources

- W3School - v-bind

What is v-bind?

v-bind is a Vue.js directive that allows you to dynamically bind attributes or properties to a value in your Vue instance's data. It is particularly useful for passing dynamic data to HTML elements or components. That means that v-bind simplifies the process of connecting your Vue instance's data to the DOM.

Key Points

- **Dynamic Attributes:** Bind values to attributes like src, href, class, style, etc.
- **Shorthand:** The v-bind directive has a shorthand : (e.g., :class).
- **Reactivity:** Automatically updates the bound attribute when the data change

Examples

Binding an Image Source

html

```
<img v-bind:src="imageSrc" alt="Dynamic Image">
<!-- Shorthand -->
<img :src="imageSrc" alt="Dynamic Image">
```

javascript

```
data() {
  return {
    imageSrc: "https://example.com/image.jpg",
  };
```

```
}
```

Binding Classes Dynamically

html

```
<div v-bind:class="{ active: isActive, 'text-bold': isBold }">Hello
Vue</div>
<!-- Shorthand -->
<div :class="{ active: isActive, 'text-bold': isBold }">Hello Vue</div>
```

javascript

```
data() {
  return {
    isActive: true,
    isBold: false,
  };
}
```

Bindung Styles

html

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

javascript

```
data() {
  return {
    textColor: "blue",
    fontSize: 16,
  };
}
```

Vocabulary

English	German
token	Merkmal, Eigenschaft
to leverage	einsetzen, anwenden

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