

# LU05a - v-bind

## Learning objectives

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

```

<!-- Shorthand -->

```

#### 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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