

# Vue JS Frameworks

## Bootstrap + Vue



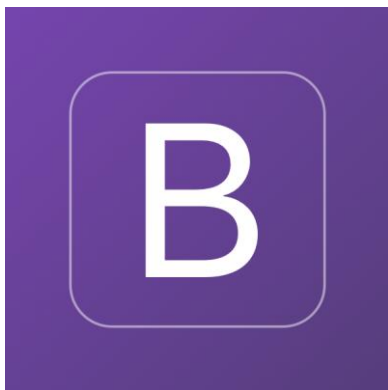


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# Die Idee



**Bootstrap**



**Vue JS**



Bootstrap + Vue



# Die Idee

## *Kombination der Vorteile beider Bibliotheken:*

### **Bootstrap**

- Einfachheit
- Responsive
- Grid System
- WAI-ARIA accessibility markup (Barrierefreiheit)

### **Vue JS**

- Komponenten/  
Wiederverwertbarkeit
- Erweiterbarkeit/  
Funktionalität



# Ressourcen

The screenshot shows the Bootstrap Vue documentation website. The top navigation bar includes links for 'Docs', 'Components', 'Directives', 'Reference', 'Misc', and 'Play'. The 'Components' section is active, and the 'Alert' component is selected in the left sidebar. The main content area is titled 'Alerts' and provides an overview of the component. It includes a visual preview of three alert types: 'Default Alert' (light blue), 'Success Alert' (light green), and two buttons: 'Show alert with count-down timer' and 'Show dismissible alert (hidden)'. Below the preview is a code block showing the Vue template for these alerts, including the use of the `<b-alert>` component with various props like `show`, `variant`, `dismissible`, and `dismissCountDown`. The right sidebar contains a list of related topics under the heading 'Alerts'.

- <https://bootstrap-vue.js.org>
- <https://github.com/bootstrap-vue/bootstrap-vue>



# Installation

- Einfachster Weg: **vue-cli**

**bootstrap-vue/webpack-simple:** Einfaches Gerüst für POC oder kleinere Anwendung

**bootstrap-vue/webpack:** Für Produktiv Betrieb geeignetes Gerüst mit mehr Optionen

```
# Sicherstellen das vue-cli installiert ist
```

```
npm install -g vue-cli
```

```
# Bootstrap Projekt initialisieren in 'my-project'
```

```
vue init bootstrap-vue/webpack-simple my-project
```

```
# Abhängigkeiten installieren
```

```
cd my-project
```

```
npm install
```

```
# Dev Server starten
```

```
npm run dev
```



# Komponenten I

- Bootstrap → Vue JS Komponente, z.B.:

```
<!-- Button -->  
<button class="btn">    =>    <b-button>  
<!-- Alert -->  
<div class="alert">    =>    <b-alert>
```

- Komponenten haben verschiedene:
  - Properties
  - Slots
  - Events



# Komponenten II

- Properties

```
<!-- Button           String Prop           Bool Prop -->
<b-button size="lg" variant="success" disabled>
  Get Started
</b-button>
```

- Slots

```
<b-modal title="Create new User">
  <template slot="modal-ok">
    <i class="fas fa-plus"></i> Create User
  </template>
</b-modal>
```





# Komponenten III

- Events

```
<b-modal  
  title="Create new User"  
  v-on:ok="submitForm"> ... </b-modal>
```

```
// Event Handler
```

```
submitForm: function () {  
  // ...  
}
```



# Beispielanwendung

- Einfache Nutzerverwaltung
- Funktionen:
  - Grundlayout (Navbar, Jumbotron, Grid)
  - Darstellen der Nutzer (Table, Badge)
  - Hinzufügen neuer Nutzer (Modal, Form, Button)
  - Löschen von Nutzern (Button)



# Beispielanwendung

Bootstrap Vue Example

## User Management

+ New User

Active	First Name	Last Name	Age	Actions
Active	Jan	Turner	40	Delete
Inactive	Katherine	Stewart	21	Delete
Inactive	John	Henderson	89	Delete
Active	Anne	Wilson	38	Delete
Active	Robert	Pullman	18	Delete
Inactive	Stephen	Clarkson	24	Delete
Active	Caroline	Duncan	28	Delete

### Source Code:

[https://github.com/dtvmedia/pbo\\_bootstrap\\_vue\\_presentation\\_example](https://github.com/dtvmedia/pbo_bootstrap_vue_presentation_example)

Fragen?

