

collapse-comp

collapse-comp is a simple Vue.js web component (≥ 2.5) that can open/close content placed within its tags along with an open/close user interface icon and a header at the top of the content.

collapse-comp can be installed via with the included `package.json` file for a local installation via the `npm install` command. **collapse-comp** depends on the [vue.js](#) framework. A demo folder is provided that used [Parcel](#) together with its associated `package.json` file to bundle together **collapse-comp** and its [vue.js](#) dependency for a simple application. Further details are provided below for running the demo.

Props

A prop in Vue.js is a custom attribute for passing information from a parent component hosting **collapse-comp** instance(s) to an **collapse-comp** as a child component.

collapse-comp has the following props for a parent to bind and send information to:

`heading` -- a heading to be displayed above the component's content (string, default: null)

`show_content` -- controls opening(true) and closing(false) content explicitly from the parent code (boolean, default: null)

`blur_panel` -- if false, will not roll up item panel when component is out of focus (boolean, default: true)

`css_variables` -- defines the css variables for **collapse-comp** (object, default: null)

Note: if `show_content` retains it default value of `null` then an arrow icon appears for the user to control opening/closing content.

Styling

The **css_variables** prop is a javascript object that contains any combination of css variable names as keys and associated values. The following list are the css variable names along with their default values for a quick styling of **collapse-comp**:

```
{
  collapse_comp_font_family: 'Verdana, serif',

  collapse_comp_heading_color: 'black',
  collapse_comp_heading_font_size: '1rem',
  collapse_comp_heading_font_weight: 'bold',

  collapse_comp_down_icon: '\21D3';
  collapse_comp_icon_color: 'black'

  collapse_comp_content_position: 'static';
  collapse_comp_content_z_index: 'auto';
}
```

As an example you could bind from the parent the following object to the `css_variables` prop for setting the heading font size and the heading color of **collapse-comp**:

```
{collapse_comp_heading_font_size: '24px', collapse_comp_heading_color: 'purple'}
```

Note that multiple **collapse-comp** children of the parent can each be bound to a unique set of `css_variable` prop objects. To enforce the same styling across all **collapse-comp** children, simply bind just one `css_variable` prop object to all the **collapse-comp** children.

Events

collapse-comp has no events between the parent and child components

Demonstration

One demonstration of **collapse-comp** is provided in the folder named `demo` and can be viewed by hosting the `index.html` file. The demo (templated in the `App.vue` file) defines a list of book titles that can be opened/closed.

As a suggestion, install [http-server](#) locally/globally via [npm](#) then enter the command `http-server` in the **collapse-comp** `dist` directory. From a browser enter the url: `localhost:8080/` to view the demo.

Here is some example code for using **collapse-comp** taken from the demo:

```
<collapse-comp
  heading="My Favorite Book
  :show_content="show_content">
  <div class="books_content">
    <ul>
      <li> Doctor Strangelove </li>
      <li> I Love jQuery </li>
      <li> Python for Data Analysis </li>
      <li> Applied Calculus </li>
      <li> The Flower Farmer </li>
      <li> Artificial Intelligence </li>
      <li> Introduction to Numerical Methods</li>
      <li> The Audacity of Hope</li>
      <li> The Book of Gimp </li>
    </ul>
  </div>
</collapse-comp>
```

And the supporting data reference:

```
data() {  
  return {  
    show_content: false  
  }  
},  
...  
...  
...  
methods: {  
  toggle_content: function(){  
    this.show_content = !this.show_content;  
  }  
}  
}
```