

# Accordion

## Bootstrap accordion component for Quarto

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A quarto shortcode extension to add Bootstrap accordion component for **html** and **revealjs** formats. Minimal non-interactive fallbacks are provided for other output formats **pdf** and **typst**.

### 1 Install

- Requires Quarto  $\geq 1.4.0$
- In the root of the quarto project, run in terminal:

```
quarto add royfrancis/quarto-accordion
```

This will install the extension under the `_extensions` subdirectory.

## 2 Syntax

- Define accordion contents (header, body)
- Insert shortcode in the quarto document

Here is the syntax where [text] is replaced as needed.

```
---
accordion:
  - [label]:
    - header: [text content for the header]
      body: [text content for the body]
      collapsed: [true/false, optional, defaults to true]
      id: [text, optional, defaults to auto-generated]
---

{{< accordion [label] >}}
```

In this example, the arguments were defined in the YAML metadata. Arguments can also be defined directly in the shortcode. This is referred to as 'Inline'. The optional `label` sets a custom accordion id (defaults to auto-generated from content), while `header`, `body`, `collapsed` and `id` control the item content.

```
{{< accordion label="[label, optional, defaults to auto-generated]"
header="[text content for the header]" body="[text content for the body]"
collapsed="[true/false, optional, defaults to true]" id="[text, optional,
defaults to auto-generated]" >}}
```

You can also mix and match these approaches in the same document as is the case in this document.

### Warning

If a custom `label` is provided, only use alphabets, numbers, hyphens and underscores.

## 3 Minimal usage

### 3.1 YAML metadata

```
---
accordion:
  - simple:
    - header: Click here to view contents
      body: This is the body content
```

```
---
```

```
{{< accordion simple >}}
```

**Click here to view contents**

This content is defined in the document yaml

### 3.2 Inline content

```
{{< accordion header="Click here to view contents" body="This accordion is defined inline." >}}
```

**Click here to view contents**

This accordion is defined inline.

## 4 More accordion items

### 4.1 YAML metadata

```
---
```

```
accordion:  
  - many-items:  
    - header: Item 1  
      body: This is the body content for item 1  
    - header: Item 2  
      body: This is the body content for item 2  
    - header: Item 3  
      body: This is the body content for item 3  
    - header: Item 4  
      body: This is the body content for item 4
```

```
---
```

```
{{< accordion many-items >}}
```

**Item 1**

This is the body content for item 1

**Item 2**

This is the body content for item 2

**Item 3**

This is the body content for item 3

**Item 4**

This is the body content for item 4

## 4.2 Inline content

Multiple inline items are defined using JSON.

```
{{< accordion items='[{"header":"Inline Item 1","body":"Content for inline item 1."},{ "header":"Inline Item 2","body":"Content for inline item 2."}]' >}}
```

**Inline Item 1**

Content for inline item 1.

**Inline Item 2**

Content for inline item 2.

## 5 Multiple accordions

```
---  
accordion:  
  - ac-1:  
    - header: Item 1  
      body: This is the body content for item 1  
    - header: Item 2  
      body: This is the body content for item 2  
  - ac-2:  
    - header: Item 1  
      body: This is the body content for item 1  
    - header: Item 2  
      body: This is the body content for item 2
```

```
---  
  
**Topic A**  
  
{{< accordion ac-1 >}}  
  
**Topic B**  
  
{{< accordion ac-2 >}}
```

## Topic A

### Item 1

This is the body content for item 1

### Item 2

This is the body content for item 2

## Topic B

### Item 1

This is the body content for item 1

### Item 2

This is the body content for item 2

## 6 Collapse state

All accordion items are collapsed as the default state. Any of the accordion items can be initialized as expanded by setting `collapsed` as `false`.

### 6.1 YAML metadata

```
---  
accordion:  
  - ac-3:  
    - header: Item 1  
      body: This is the body content for item 1
```

```

- header: Item 2
  body: This is the body content for item 2
  collapsed: false
- ac-4:
  - header: Item 1
    body: This is the body content for item 1
    collapsed: false
  - header: Item 2
    body: This is the body content for item 2
- - -

{{< accordion ac-3 >}}

{{< accordion ac-4 >}}

```

**Item 1**

This is the body content for item 1

**Item 2**

This is the body content for item 2

**Item 1**

This is the body content for item 1

**Item 2**

This is the body content for item 2

## 6.2 Inline content

```

{{< accordion header="This item starts expanded" body="Set collapsed to false
to show content by default." collapsed="false" >}}

```

**This item starts expanded**

Set collapsed to false to show content by default.

## 7 Item IDs

Accordion items are automatically given unique ids. This should generally work fine. In case of a conflict, IDs can be set manually using `id`.

### 7.1 YAML metadata

```
---
accordion:
  - id-conflict:
    - header: Bla
      body: bla
    - header: Bla
      body: bla
  - id-conflict-resolved:
    - header: Bla
      body: bla
    - header: Bla
      body: bla
      id: my-id
---
```

An example of accordion items with conflicting IDs where two accordion items have the same ids and hence open/close together.

```
{{< accordion id-conflict >}}
```

Using custom ID to resolve conflict and now they work independently.

```
{{< accordion id-conflict-resolved >}}
```

An example of accordion items with conflicting IDs where two accordion items have the same ids and hence open/close together.

<b>Bla</b>
bla

  

<b>Bla</b>
bla

Using custom ID to resolve conflict and now they work independently.

<b>Bla</b>
bla

<b>Bla</b>
bla

## 7.2 Inline content

```
{{< accordion header="Custom item id" body="Custom ids are useful when you need anchor links." id="custom-item-1" >}}
```

<b>Custom item id</b>
Custom ids are useful when you need anchor links.

## 8 CSS styling

To target all accordion sub components on a page, target the class `.quarto-accordion`.

```
/*-- scss:rules --*/
.quarto-accordion .accordion-header-content {
  font-weight: 700;
}
```

To target specific accordions, use the label of that accordion as id. For example an accordion labelled `custom-css`. Here is the qmd file.

```
---
accordion:
  - custom-css:
    - header: This header has style
      body: This body has style
format:
  html:
    css: styles.scss
---

{{< accordion custom-css >}}
```

And here is the css file.

```
/*-- scss:rules --*/

#quarto-accordion-custom-css .accordion-header-content {
  font-weight: 700;
  color: red
}

#quarto-accordion-custom-css .accordion-body-content {
  color: green;
}
```

**This header has style**

This body has style

## 9 Markdown formatting

Markdown text formatting is supported in yaml metadata.

```
---
accordion:
  - markdown-formatting:
    - header: "***How much markdown formatting can I have in an accordion?*"
      body: "This is bold and italic"
  ---

{{< accordion markdown-formatting >}}
```

**How much markdown formatting can I have in an accordion?**

This is **bold** and *italic*

Multiline content and markdown formatting is supported in yaml metadata.

```
---
accordion:
  - multiline-markdown-formatting:
    - header: "***How much markdown formatting can I have in an accordion?*"
      body: |
        This is multiline yaml content.
```

This is **bold** and *italic*. This is a [URL](https://quarto.org).

This is a markdown image



This is a markdown table.

Item Category
Spools Marketing
Cutters Marketing
Pins Logistics

---

```
{{< accordion multiline-markdown-formatting >}}
```

## How much markdown formatting can I have in an accordion?

This is multiline yaml content.

This is **bold** and *italic*. This is a URL.

This is a markdown image



This is a markdown table.

<u>Item</u>	<u>Category</u>
Spools	Marketing
Cutters	Marketing
Pins	Logistics

## 10 Other formats

The accordion shortcode is designed for **html** output. For formats **pdf** and **typst**, the accordion component degrades gracefully to show all content without interactivity. Markdown formatting is supported in these formats but HTML formatting is not. Accordions also work in **revealjs** presentation format.