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Bootstrap Accordion

In this tutorial you will learn how to create accordion with Bootstrap.

Creating Accordion Widget with Bootstrap

Accordion menus and widgets are widely used on the websites to manage the large amount of content and navigation lists. With Bootstrap collapse plugin you can either create accordion or a simple collapsible panel without writing any JavaScript code.

The following example will show you how to build a simple accordion widget using the Bootstrap collapsible plugin and the panel component.

Example**Try this code »**

```
1 <div class="accordion" id="myAccordion">
2   <div class="card">
3     <div class="card-header" id="headingOne">
4       <h2 class="mb-0">
5         <button type="button" class="btn btn-link" data-toggle="collapse"
6           data-target="#collapseOne">1. What is HTML?</button>
7       </h2>
8     </div>
9     <div id="collapseOne" class="collapse" aria-labelledby="headingOne" data-
10      parent="#myAccordion">
11       <div class="card-body">
12         <p>HTML stands for HyperText Markup Language. HTML is the standard
13         markup language for describing the structure of web pages. <a
14         href="https://www.tutorialrepublic.com/html-tutorial/" target="_blank">Learn more</a>
15       </div>
16     </div>
17   </div>
18 </div>
```

— The output of the above example will look something like this:

1. What is HTML?

2. What is Bootstrap?

Bootstrap is a sleek, intuitive, and powerful front-end framework for faster and easier web development. It is a collection of CSS and HTML conventions. [Learn more.](#)

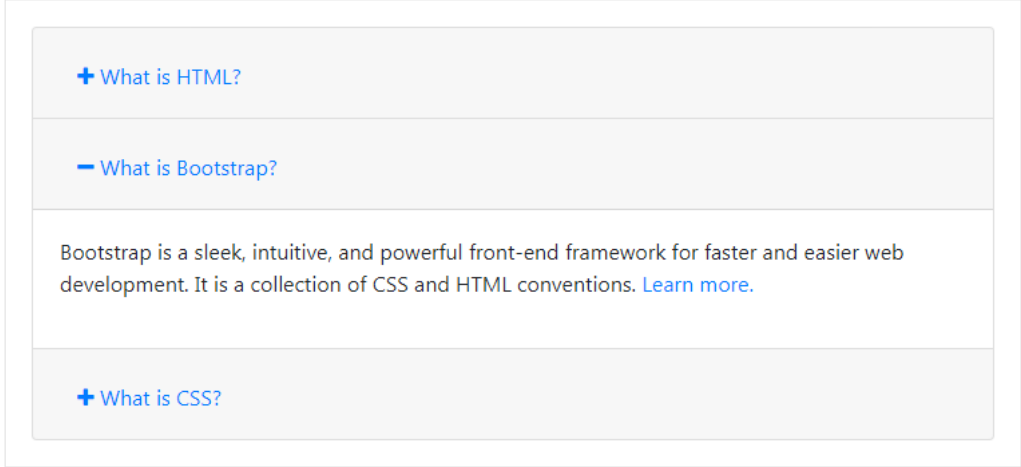
3. What is CSS?

Bootstrap Accordion with Plus Minus Icons

You can also add plus minus icons to the Bootstrap accordion widget to make it visually more attractive with a few lines of jQuery code, as follow:

Example	Try this code »
<pre>1 <script> 2 \$(document).ready(function(){ 3 // Add minus icon for collapse element which is open by default 4 \$(".collapse.show").each(function(){ 5 \$(this).prev(".card-header").find(".fa").addClass("fa- 6 minus").removeClass("fa-plus"); 7 }); 8 9 // Toggle plus minus icon on show hide of collapse element 10 \$(".collapse").on('show.bs.collapse', function(){ 11 \$(this).prev(".card-header").find(".fa").removeClass("fa- 12 minus").addClass("fa-plus"); 13 }); 14 }); 15 </script></pre>	

— The output of the above example will look something like this:



Similarly, you can [add arrow icon to a accordion](#) utilizing the jQuery and CSS transition effect.

The `show.bs.collapse` and `hide.bs.collapse` in the example above are [collapse events](#), you'll learn about the events little later in this chapter.

Expanding and Collapsing Elements via Data Attributes

You can use the Bootstrap collapse feature for expanding and collapsing any specific element via data attributes without using the accordion markup.

Example	Try this code »
<pre>1 <!-- Trigger Button HTML --> 2 <input type="button" class="btn btn-primary" data-toggle="collapse" data- 3 target="#toggleDemo" value="Toggle Button"> 4 5 <!-- Collapsible Element HTML --> 6 <div id="toggleDemo" class="collapse show"><p>This is a simple example of expanding 7 and collapsing individual element via data attribute. Click on the Toggle 8 Button button to see the effect.</p></div></pre>	

We've just created a collapsible control without writing any JavaScript code. Well, let's go through each part of this code one by one for a better understanding.

Explanation of Code

The Bootstrap collapse plugin basically requires the two elements to work properly — the controller element such as a button or hyperlink by clicking on which you want to collapse the other element, and the collapsible element itself.

- The `data-toggle="collapse"` attribute (*line no-2*) is added to the controller element along with a attribute `data-target` (for buttons) or `href` (for anchors) to automatically assign the control of a collapsible element.
- The `data-target` or `href` attribute accepts a [CSS selector](#) to apply the collapse to a specific element. Be sure to add the class `.collapse` to the collapsible element.
- You can optionally add the class `.show` (*line no-5*) to the collapsible element in addition to the class `.collapse` to make it open by default.

To make the collapsible controls to work in group like accordion menu, you can utilize the [Bootstrap panel component](#) as demonstrated in the previous example.

Expanding and Collapsing Elements via JavaScript

You may also expand and collapse an individual element manually via JavaScript — just call the `collapse()` Bootstrap method with the `id` or `class selector` of the collapsible element in your JavaScript code.

Example	Try this code »
<pre>1 <!-- JavaScript to Expand and Collapse Element --> 2 <script> 3 \$(document).ready(function(){ 4 \$(".btn").click(function(){ 5 \$("#toggleDemo").collapse('toggle'); 6 }); 7 }); 8 </script> 9 10 <!-- Trigger Button HTML --> 11 <input type="button" class="btn btn-primary" value="Toggle Button"> 12 13 <!-- Collapsible Element HTML --> 14 <div id="toggleDemo" class="collapse show"><p>This is a simple example of expanding and collapsing individual element via JavaScript. Click on the Simple Collapsible button to see the effect.</p></div></pre>	

Options

There are certain options which may be passed to `collapse()` Bootstrap method to customize the functionality of a collapsible element.

Name	Type	Default Value	Description
parent	selector	false	All other collapsible elements under the specified parent will be closed while this collapsible item is shown on invocation.
toggle	boolean	true	Toggles the collapsible element on invocation.

You can also set these options using the data attributes on accordion — just append the option name to `data-`, like `data-parent="#myAccordion"`, `data-toggle="false"` etc. as demonstrated in

the basic implementation.

Methods

These are the standard bootstrap's collapse methods:

.collapse(options)

This method activates your content as a collapsible element.

Example	Try this code »
<pre>1 <script> 2 \$(document).ready(function(){ 3 \$(".btn").click(function(){ 4 \$("#myCollapsible").collapse({ 5 toggle: false 6 }); 7 }); 8 }); 9 </script></pre>	

.collapse('toggle')

This method toggles (show or hide) a collapsible element.

Example	Try this code »
<pre>1 <script> 2 \$(document).ready(function(){ 3 \$(".toggle-btn").click(function(){ 4 \$("#myCollapsible").collapse('toggle'); 5 }); 6 }); 7 </script></pre>	

.collapse('show')

This method shows a collapsible element.

Example	Try this code »
<pre>1 <script> 2 \$(document).ready(function(){ 3 \$(".show-btn").click(function(){ 4 \$("#myCollapsible").collapse('show'); 5 }); 6 }); 7 </script></pre>	

.collapse('hide')

This method hides a collapsible element.

Example	Try this code »
<pre>1 <script> 2 \$(document).ready(function(){ 3 \$(".hide-btn").click(function(){ 4 \$("#myCollapsible").collapse('hide'); 5 }); 6 }); 7 </script></pre>	

Events

Bootstrap's collapse class includes few events for hooking into collapse functionality.

Event	Description
show.bs.collapse	This event fires immediately when the show instance method is called.
shown.bs.collapse	This event is fired when a collapse element has been made visible to the user. It will wait until the CSS transition process has been fully completed before getting fired.
hide.bs.collapse	This event is fired immediately when the hide method has been called.
hidden.bs.collapse	This event is fired when a collapse element has been hidden from the user. It will wait until the CSS transition process has been fully completed before getting fired.

The following example displays an alert message to the user when sliding transition of a collapsible element has been fully completed.

Example

[Try this code »](#)

```

1  <script>
2  $(document).ready(function(){
3      $("#myCollapsible").on('hidden.bs.collapse', function(){
4          alert("Collapsible element has been completely closed.");
5      });
6  });
7  </script>
```

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