

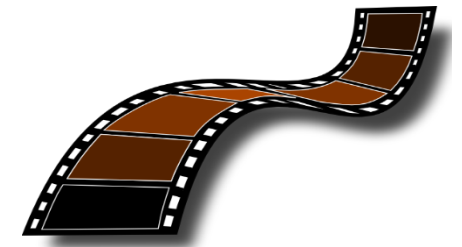
Customizable Bootstrap Accordions



Paul D. Sheriff

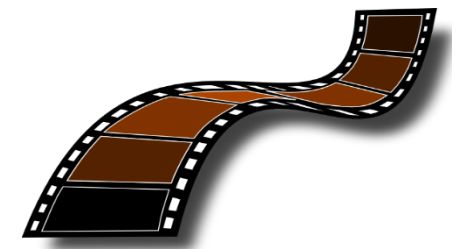
Psheriff@pdsa.com, www.pdsa.com, @pdsainc

Reasons to Watch This Module



Reasons to Watch This Module

- Customize Bootstrap accordions/collapsers

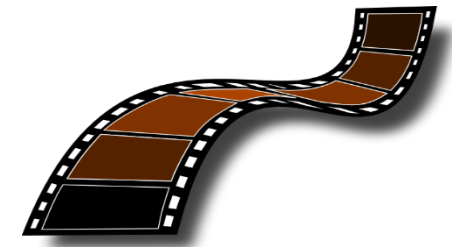


Reasons to Watch This Module

- Customize Bootstrap accordions/collapsers
- Add glyphs on the right

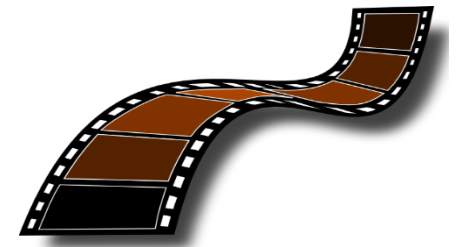
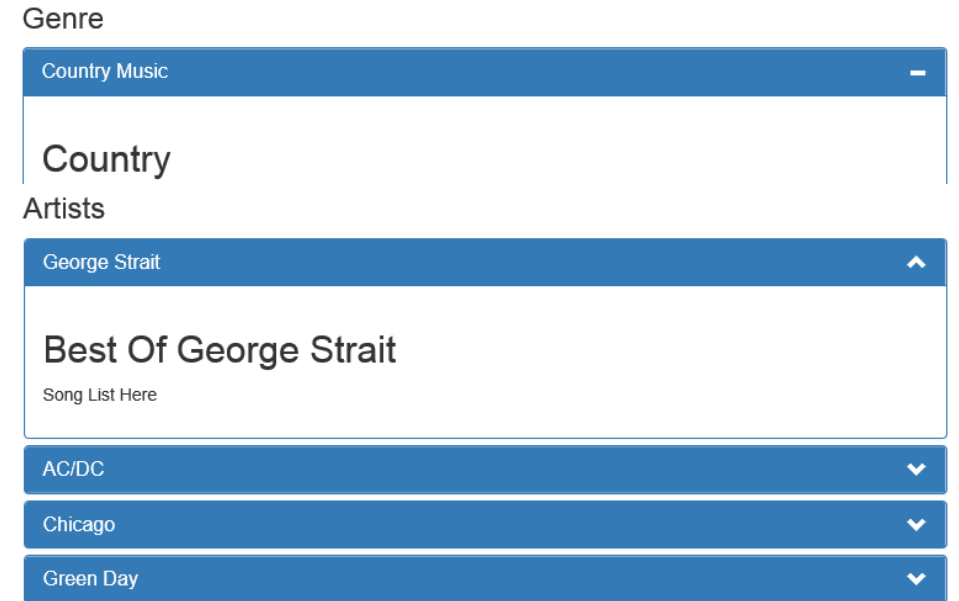
Genre

Country Music				-
Country				
Song Name	Artist	Album	Year	
Brand New Man	Brooks & Dunn	Brand New Man	1991	
Neon	Chris Young	Neon (Deluxe Edition)	2011	
19 You + Me	Dan + Shay	19 You + Me (Single)	2013	
Alright	Darius Rucker	Learn to Live	2008	
Jazz Music				+
Rock Music				+



Reasons to Watch This Module

- Customize Bootstrap accordions/collapsers
- Add glyphs on the right
 - Can use different glyphs



Reasons to Watch This Module

- Customize Bootstrap accordions/collapsers
- Add glyphs on the right
 - Can use different glyphs
- Make glyphs change on open/close

Artists

George Strait

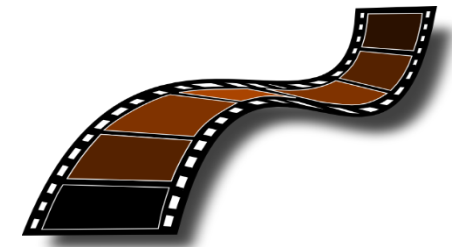
Best Of George Strait

Song List Here

AC/DC

Chicago

Green Day



Reasons to Watch This Module

- Customize Bootstrap accordions/collapsers
- Add glyphs on the right
 - Can use different glyphs
- Make glyphs change on open/close
- Use 'data-' attributes to avoid hard-coding

Artists

George Strait

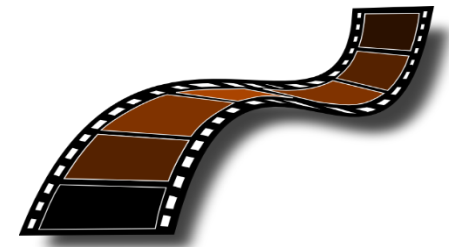
Best Of George Strait

Song List Here

AC/DC

Chicago

Green Day



Reasons to Watch This Module

- Customize Bootstrap accordions/collapsers
- Add glyphs on the right
 - Can use different glyphs
- Make glyphs change on open/close
- Use 'data-' attributes to avoid hard-coding
- Let's get started...

Artists

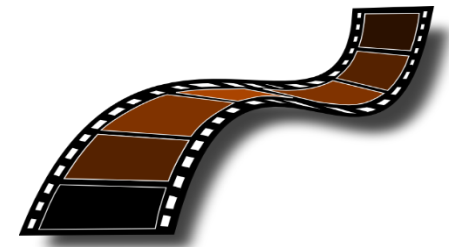
George Strait

Best Of George Strait
Song List Here

AC/DC

Chicago

Green Day

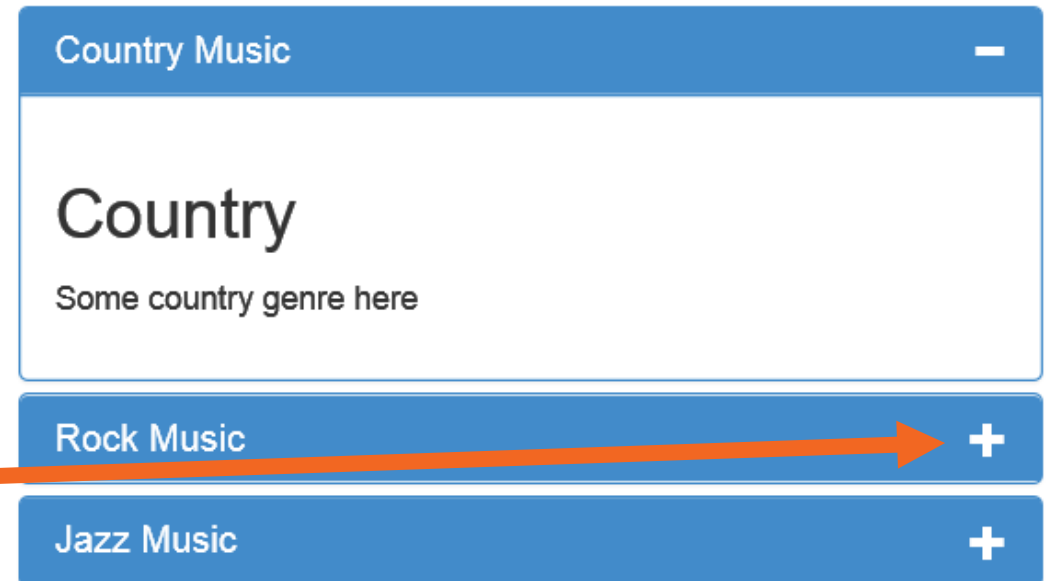


Bootstrap Accordions with Glyphs

Bootstrap Accordions with Glyphs

- Add glyph to right side of panels

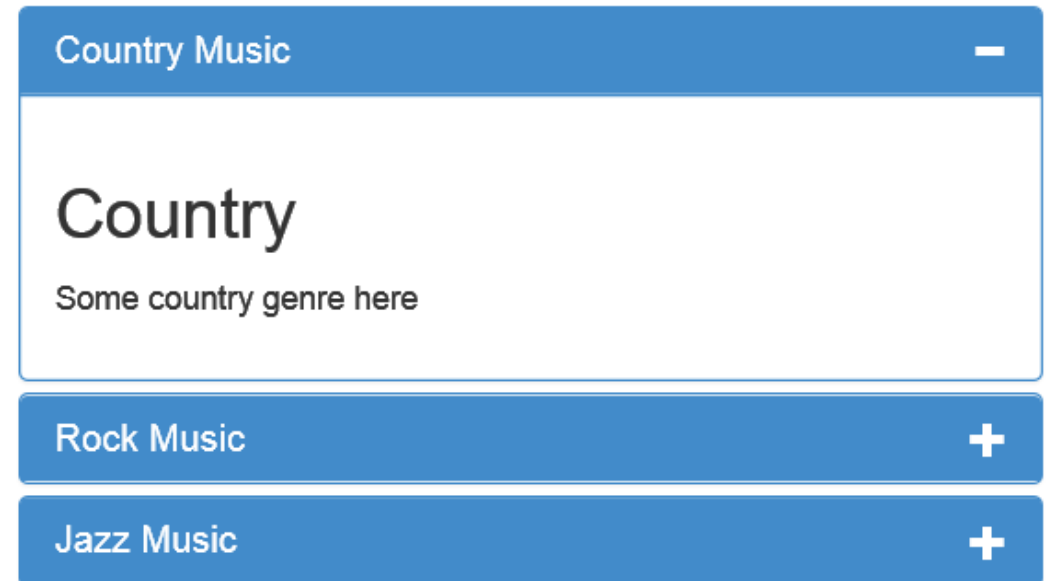
```
<h1 class="panel-title">
  <a data-toggle="collapse"
    data-parent="#genre"
    href="#jazz">Jazz Music</a>
  <a class="pdsa-panel-toggle
    glyphicon glyphicon-plus">
  </a>
</h1>
```



Bootstrap Accordions with Glyphs

- Add glyph to right side of panels
- Add another `<a>` tag with glyph within 'panel-title' element

```
<h1 class="panel-title">  
  <a data-toggle="collapse"  
    data-parent="#genre"  
    href="#jazz">Jazz Music</a>  
  <a class="pdsa-panel-toggle  
    glyphicon glyphicon-plus">  
  </a>  
</h1>
```

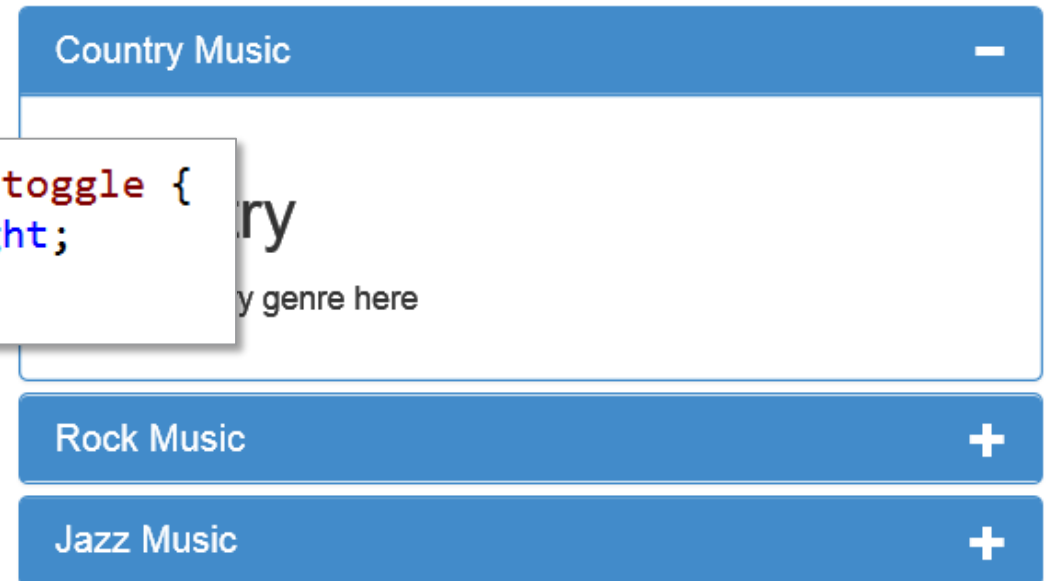


Bootstrap Accordions with Glyphs

- Add glyph to right side of panels
- Add another <a> tag with glyph within 'panel-title' element
- Add custom style for position

```
<h1 class="panel-title">  
  <a data-toggle="collapse"  
    data-parent="#genre"  
    href="#jazz">Jazz Music</a>  
  <a class="pdsa-panel-toggle"  
    glyphicon glyphicon-plus">  
  
  </a>  
</h1>
```

```
.pdsa-panel-toggle {  
  float: right;  
}
```



Accordions with glyphs



Add Glyphs Programmatically

Add Glyphs Programmatically

- All glyphs were on each `<a>` tag

Add Glyphs Programmatically

- All glyphs were on each <a> tag
- Makes changing them all difficult

Add Glyphs Programmatically

- All glyphs were on each <a> tag
- Makes changing them all difficult
 - You have to find all occurrences in HTML

Add Glyphs Programmatically

- All glyphs were on each `<a>` tag
- Makes changing them all difficult
 - You have to find all occurrences in HTML
- Use jQuery to add glyphs

Add Glyphs Programmatically

- All glyphs were on each <a> tag
- Makes changing them all difficult
 - You have to find all occurrences in HTML
- Use jQuery to add glyphs
- Step 1
 - Remove glyphs from <a> tag

```
<h1 class="panel-title">  
  <a data-toggle="collapse"  
    data-parent="#genre"  
    href="#jazz">Jazz Music</a>  
  <a class="pdsa-panel-toggle">  
  </a>  
</h1>
```

Add Glyphs Programmatically

Add Glyphs Programmatically

- Step 2

Add Glyphs Programmatically

- Step 2
 - Write jQuery in `document.ready()`

Add Glyphs Programmatically

- Step 2
 - Write jQuery in document.ready()
 - Select all elements that have class 'pdsa-panel-toggle'

```
$(".pdsa-panel-toggle")  
  .addClass("glyphicon glyphicon-plus");
```

Add Glyphs Programmatically

- Step 2
 - Write jQuery in document.ready()
 - Select all elements that have class 'pdsa-panel-toggle'
 - Net result is the same as our first hard-coded sample

```
$(".pdsa-panel-toggle")  
  .addClass("glyphicon glyphicon-plus");
```

```
<a class="pdsa-panel-toggle  
      glyphicon glyphicon-plus">
```


Add Glyphs Programmatically

Add Glyphs Programmatically

- Step 3

```
<div class="panel-heading">
  <h1 class="panel-title">
    <a data-toggle="collapse"
      href="#country">Country Music</a>
    <a data-toggle="collapse"
      href="#country"
      class="pdsa-panel-toggle"></a>
  </h1>
</div>
<div id="country"
  class="panel-collapse collapse in">
  <div class="panel-body">
    <h2>Country</h2>
    <p>Some country genre here</p>
  </div>
</div>
```

Add Glyphs Programmatically

- Step 3
 - Look for any expanded accordions
 - Bootstrap class = 'in'

```
<div class="panel-heading">
  <h1 class="panel-title">
    <a data-toggle="collapse"
      href="#country">Country Music</a>
    <a data-toggle="collapse"
      href="#country"
      class="pdsa-panel-toggle"></a>
  </h1>
</div>
<div id="country"
  class="panel-collapse collapse in">
  <div class="panel-body">
    <h2>Country</h2>
    <p>Some country genre here</p>
  </div>
</div>
```

Add Glyphs Programmatically

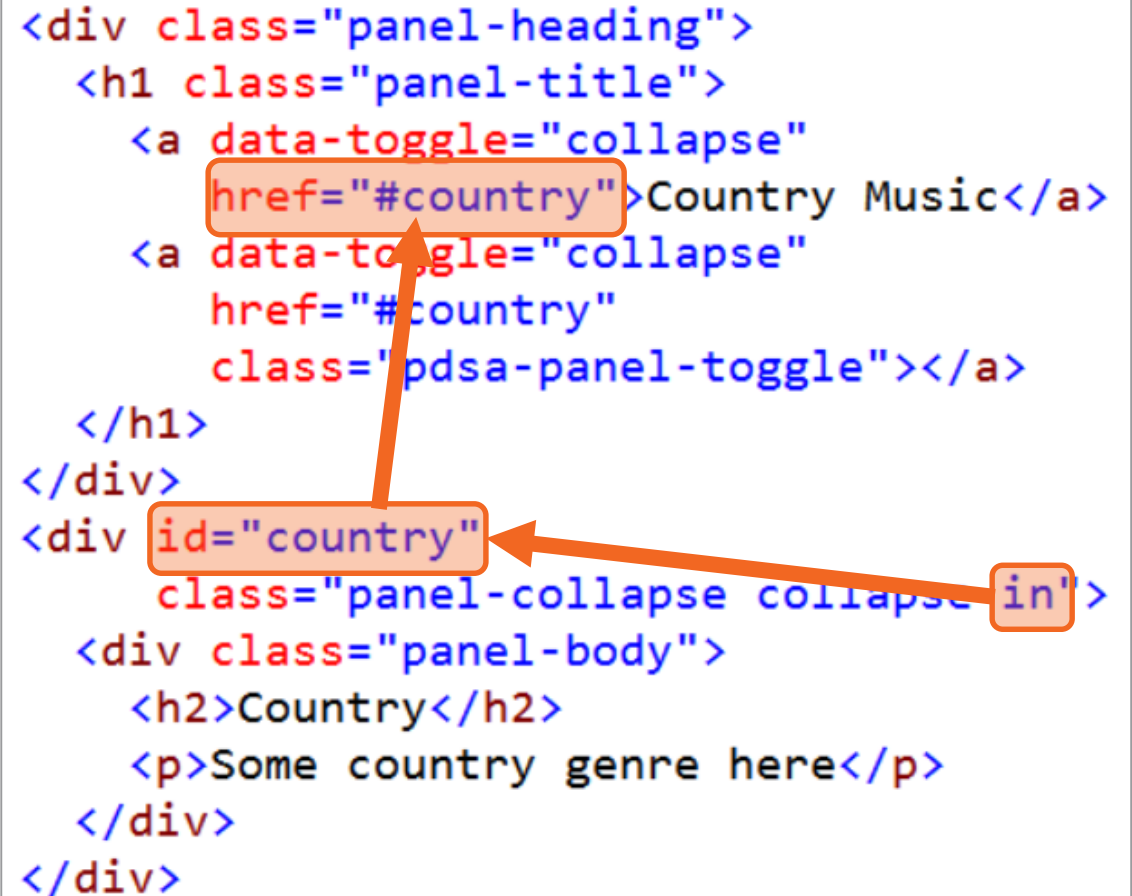
- Step 3
 - Look for any expanded accordions
 - Bootstrap class = 'in'
 - Locate the 'id' attribute

```
<div class="panel-heading">
  <h1 class="panel-title">
    <a data-toggle="collapse"
      href="#country">Country Music</a>
    <a data-toggle="collapse"
      href="#country"
      class="pdsa-panel-toggle"></a>
  </h1>
</div>
<div id="country"
      class="panel-collapse collapse in">
  <div class="panel-body">
    <h2>Country</h2>
    <p>Some country genre here</p>
  </div>
</div>
```

Add Glyphs Programmatically

- Step 3
 - Look for any expanded accordions
 - Bootstrap class = 'in'
 - Locate the 'id' attribute
 - Locate the href with that 'id'

```
<div class="panel-heading">
  <h1 class="panel-title">
    <a data-toggle="collapse"
      href="#country">Country Music</a>
    <a data-toggle="collapse"
      href="#country"
      class="pdsa-panel-toggle"></a>
  </h1>
</div>
<div id="country"
  class="panel-collapse collapse in">
  <div class="panel-body">
    <h2>Country</h2>
    <p>Some country genre here</p>
  </div>
</div>
```



The diagram illustrates the relationship between the href attribute in the first accordion and the id attribute in the second accordion. An orange box highlights the href attribute value "#country" in the first accordion's toggle link. Another orange box highlights the id attribute value "country" in the second accordion's container. A third orange box highlights the "in" class attribute in the second accordion's container. An orange arrow points from the href attribute to the id attribute, and another orange arrow points from the "in" class attribute to the id attribute, indicating that the href attribute points to the id attribute and the "in" class attribute is used to expand the accordion.

Add Glyphs Programmatically

- Step 3
 - Look for any expanded accordions
 - Bootstrap class = 'in'
 - Locate the 'id' attribute
 - Locate the href with that 'id'
 - Locate the next sibling with '.pdsa-panel-toggle'

```
<div class="panel-heading">
  <h1 class="panel-title">
    <a data-toggle="collapse"
      href="#country">Country Music</a>
    <a data-toggle="collapse"
      href="#country"
      class="pdsa-panel-toggle"></a>
  </h1>
```

```
var list = $("#genre .in");
for (var i = 0; i < list.length; i++) {
  $("a[href='#" + $(list[i]).attr("id") + "']")
    .next(".pdsa-panel-toggle")
    .removeClass("glyphicon glyphicon-plus")
    .addClass("glyphicon glyphicon-minus");
}
```

Add Glyphs Programmatically

- Step 3
 - Look for any expanded accordions
 - Bootstrap class = 'in'
 - Locate the 'id' attribute
 - Locate the href with that 'id'
 - Locate the next sibling with 'pdsa-panel-toggle'
 - Remove the 'open' glyph

```
var list = $("#genre .in");
for (var i = 0; i < list.length; i++) {
    $("a[href='#" + $(list[i]).attr("id") + "']")
        .next(".pdsa-panel-toggle")
        .removeClass("glyphicon glyphicon-plus")
        .addClass("glyphicon glyphicon-minus");
}
```

Add Glyphs Programmatically

■ Step 3

- Look for any expanded accordions
 - Bootstrap class = 'in'
 - Locate the 'id' attribute
 - Locate the href with that 'id'
 - Locate the next sibling with '.pdsa-panel-toggle'
- Remove the 'open' glyph
- Add the 'close' glyph

```
var list = $("#genre .in");
for (var i = 0; i < list.length; i++) {
    $("a[href='#" + $(list[i]).attr("id") + "']")
        .next(".pdsa-panel-toggle")
        .removeClass("glyphicon glyphicon-plus")
        .addClass("glyphicon glyphicon-minus");
}
```


Add glyphs programmatically



Use 'data-' Attributes

Use 'data-' Attributes

- Use 'data-' attributes on accordion container

```
<div class="panel-group"  
    data-pdsa-collapser-open="glyphicon glyphicon-plus"  
    data-pdsa-collapser-close="glyphicon glyphicon-minus">
```

Use 'data-' Attributes

- Use 'data-' attributes on accordion container
 - 'open' glyph

```
<div class="panel-group"  
  data-pdsa-collapser-open="glyphicon glyphicon-plus"  
  data-pdsa-collapser-close="glyphicon glyphicon-minus">
```

Use 'data-' Attributes

- Use 'data-' attributes on accordion container
 - 'open' glyph
 - 'close' glyph

```
<div class="panel-group"  
    data-pdsa-collapser-open="glyphicon glyphicon-plus"  
    data-pdsa-collapser-close="glyphicon glyphicon-minus">
```

Use 'data-' Attributes

Use 'data-' Attributes

- Read 'data-' attributes in jQuery

Use 'data-' Attributes

- Read 'data-' attributes in jQuery
- Get each attribute from accordion container

```
var open = $("#playlists").data("pdsa-collapser-open");
var close = $("#playlists").data("pdsa-collapser-close");

$("#playlists .pdsa-panel-toggle").addClass(open);

var list = $("#genre .in");
for (var i = 0; i < list.length; i++) {
    $($("a[href='#" + $(list[i]).attr("id") + "' ]"))
        .next(".pdsa-panel-toggle").removeClass(open).addClass(close);
}
```


Use 'data-' Attributes

- Read 'data-' attributes in jQuery
- Get each attribute from accordion container

```
var open = $("#playlists").data("pdsa-collapser-open");
var close = $("#playlists").data("pdsa-collapser-close");

$("#playlists .pdsa-panel-toggle").addClass(open);

var list = $("#genre .in");
for (var i = 0; i < list.length; i++) {
    $($("a[href='#" + $(list[i]).attr("id") + "' ]"))
        .next(".pdsa-panel-toggle").removeClass(open).addClass(close);
}
```

Use 'data-' Attributes

- Read 'data-' attributes in jQuery
- Get each attribute from accordion container

```
var open = $("#playlists").data("pdsa-collapser-open");  
var close = $("#playlists").data("pdsa-collapser-close");  
  
$("#playlists .pdsa-panel-toggle").addClass(open);  
  
var list = $("#genre .in");  
for (var i = 0; i < list.length; i++) {  
    $($("#a[href='#" + $(list[i]).attr("id") + "' ]"))  
        .next(".pdsa-panel-toggle").removeClass(open).addClass(close);  
}
```

Use 'data-' Attributes

- Read 'data-' attributes in jQuery
- Get each attribute from accordion container

```
var open = $("#playlists").data("pdsa-collapser-open");
var close = $("#playlists").data("pdsa-collapser-close");

$("#playlists .pdsa-panel-toggle").addClass(open);

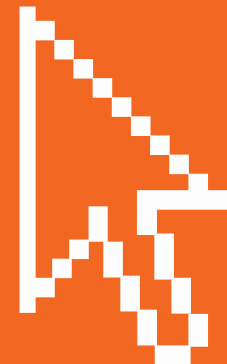
var list = $("#genre .in");
for (var i = 0; i < list.length; i++) {
    $($("a[href='#" + $(list[i]).attr("id") + "' ]"))
        .next(".pdsa-panel-toggle").removeClass(open).addClass(close);
}
```

Use 'data-' Attributes

- Read 'data-' attributes in jQuery
- Get each attribute from accordion container

```
var open = $("#playlists").data("pdsa-collapser-open");  
var close = $("#playlists").data("pdsa-collapser-close");  
  
$("#playlists .pdsa-panel-toggle").addClass(open);  
  
var list = $("#genre .in");  
for (var i = 0; i < list.length; i++) {  
    $($("#a[href='#" + $(list[i]).attr("id") + "' ]"))  
        .next(".pdsa-panel-toggle").removeClass(open).addClass(close);  
}
```

Add 'data-' attributes for setting glyphs



Handling Multiple Accordions

Handling Multiple Accordions

- Different accordions can have different glyphs

Handling Multiple Accordions

- Different accordions can have different glyphs
 - Plus and minus

Genre

Country Music

—

Country

Song Name	Artist	Album	Year
Brand New Man	Brooks & Dunn	Brand New Man	1991
Neon	Chris Young	Neon (Deluxe Edition)	2011
19 You + Me	Dan + Shay	19 You + Me (Single)	2013
Alright	Darius Rucker	Learn to Live	2008

Jazz Music

+

Rock Music

+

Handling Multiple Accordions

- Different accordions can have different glyphs
 - Plus and minus
 - Chevron up and down

Genre

Country Music



Artists

George Strait



Best Of George Strait

Song List Here

AC/DC



Chicago



Green Day



Rock Music



Handling Multiple Accordions

- Different accordions can have different glyphs
 - Plus and minus
 - Chevron up and down
- Move all CSS and JS into files

Genre

Country Music



Artists

George Strait



Best Of George Strait

Song List Here

AC/DC



Chicago



Green Day



Rock Music



Handling Multiple Accordions

- Different accordions can have different glyphs
 - Plus and minus
 - Chevron up and down
- Move all CSS and JS into files
- Make jQuery more generic

Genre

Country Music



Artists

George Strait



Best Of George Strait

Song List Here

AC/DC



Chicago



Green Day



Rock Music



Handling Multiple Accordions

- Different accordions can have different glyphs
 - Plus and minus
 - Chevron up and down
- Move all CSS and JS into files
- Make jQuery more generic
 - Add loop for each container

Genre

Country Music



Artists

George Strait



Best Of George Strait

Song List Here

AC/DC



Chicago



Green Day



Rock Music



Handling Multiple Accordions

- Different accordions can have different glyphs
 - Plus and minus
 - Chevron up and down
- Move all CSS and JS into files
- Make jQuery more generic
 - Add loop for each container
 - Use 'id' attribute of each container

Genre

Country Music



Artists

George Strait



Best Of George Strait

Song List Here

AC/DC



Chicago



Green Day



Rock Music



Handling Multiple Accordions

```
<div class="panel-group" id="genre"  
  data-pdsa-collapser-name="genre"  
  data-pdsa-collapser-open="glyphicon glyphicon-plus"  
  data-pdsa-collapser-close="glyphicon glyphicon-minus">
```

Handling Multiple Accordions

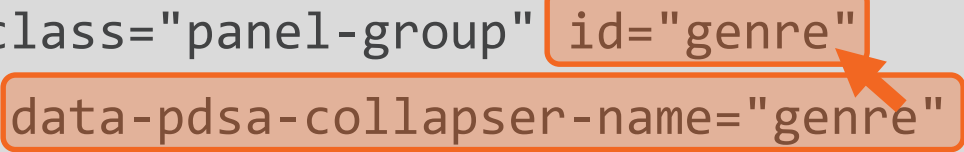
- Add 'data-' for the name of the container

```
<div class="panel-group" id="genre"  
  data-pdsa-collapser-name="genre"  
  data-pdsa-collapser-open="glyphicon glyphicon-plus"  
  data-pdsa-collapser-close="glyphicon glyphicon-minus">
```

Handling Multiple Accordions

- Add 'data-' for the name of the container
- Used by jQuery to setup each containers glyphs

```
<div class="panel-group" id="genre"  
  data-pdsa-collapser-name="genre"  
  data-pdsa-collapser-open="glyphicon glyphicon-plus"  
  data-pdsa-collapser-close="glyphicon glyphicon-minus">
```



Multiple accordions



Summary



Summary

- Add more visual interest to accordions with glyphs



Summary

- Add more visual interest to accordions with glyphs
- Use jQuery to modify the glyphs



Summary

- Add more visual interest to accordions with glyphs
- Use jQuery to modify the glyphs
- Use 'data-' instead of hard-coding glyph names



Summary

- Add more visual interest to accordions with glyphs
- Use jQuery to modify the glyphs
- Use 'data-' instead of hard-coding glyph names
- Make your jQuery generic and be sure to handle multiple containers

