Build Custom Dashboard Widgets

Paul D. Sheriff

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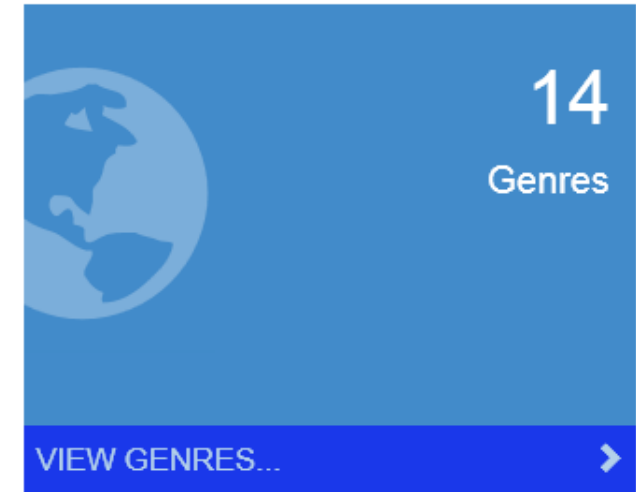
Reason to Watch This Module

Reason to Watch This Module
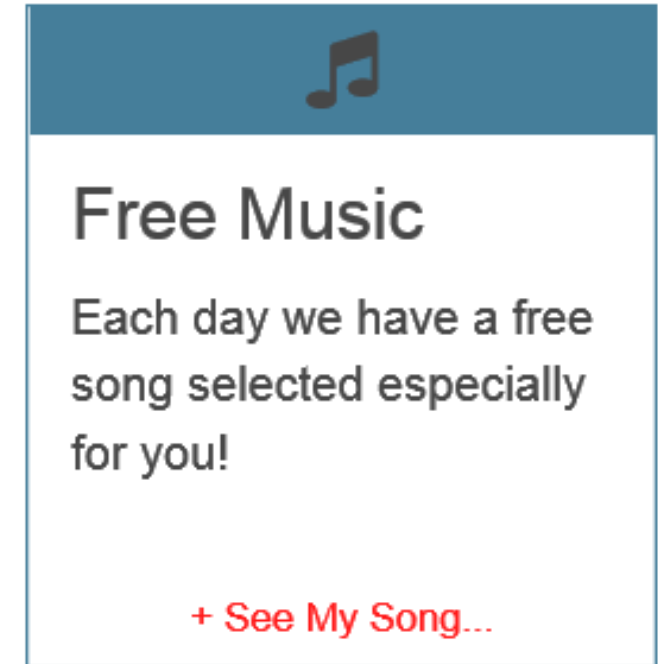
- Create widgets for a "dashboard"

Reason to Watch This Module

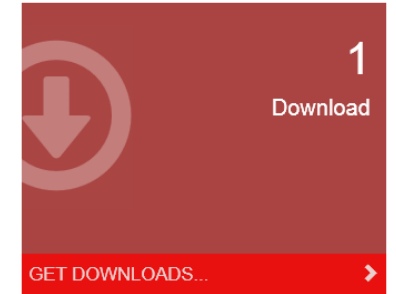- Create widgets for a "dashboard"
  - Summary blocks

Reason to Watch This Module

- Create widgets for a "dashboard"
  - Summary blocks
  - Readme blocks

Reason to Watch This Module

- Create widgets for a "dashboard"
  - Summary blocks
  - Readme blocks
- Create CSS themes
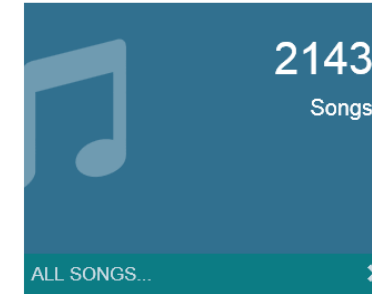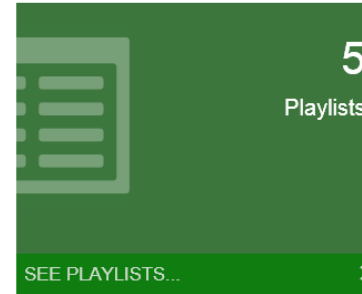 - Apply colors
  - Independently of structure

Reason to Watch This Module

- Create widgets for a "dashboard"
  - Summary blocks
  - Readme blocks
- Create CSS themes
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  - Independently of structure
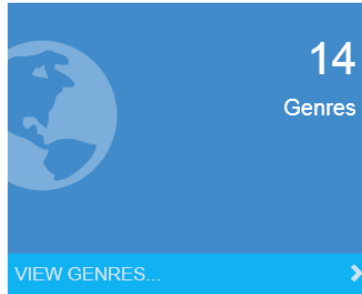- Step-by-step

Reason to Watch This Module

- Create widgets for a "dashboard"
  - Summary blocks
  - Readme blocks
- Create CSS themes
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  - Independently of structure
- Step-by-step
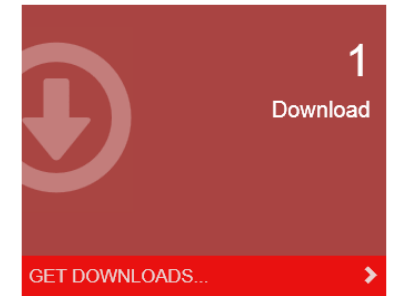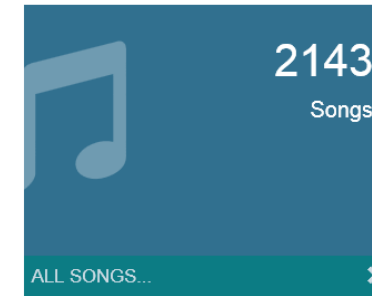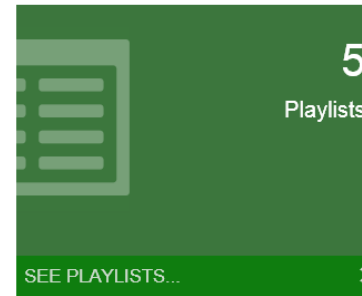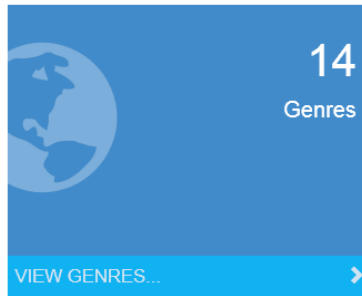 - This module will build widgets step-by-step
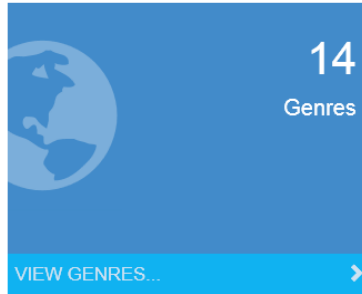
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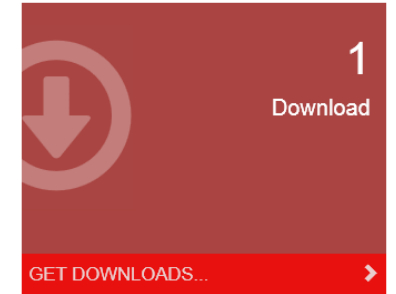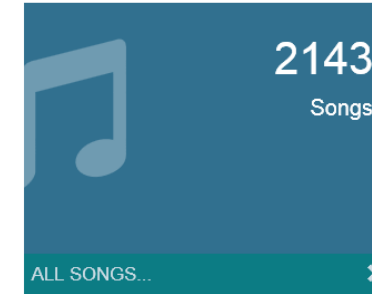 - Apply colors
  - Independently of structure
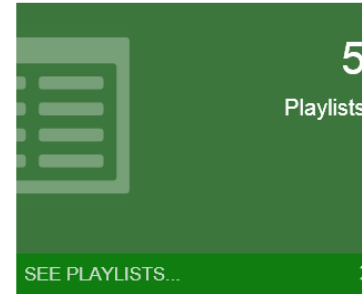- Step-by-step
  - This module will build widgets step-by-step
- Let's get started…
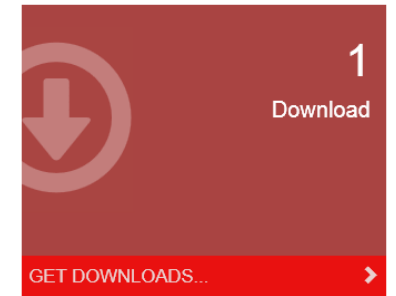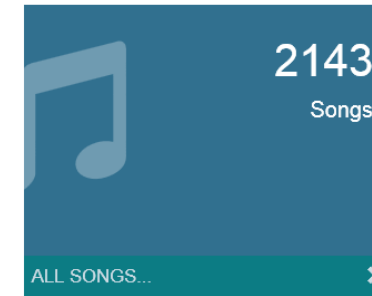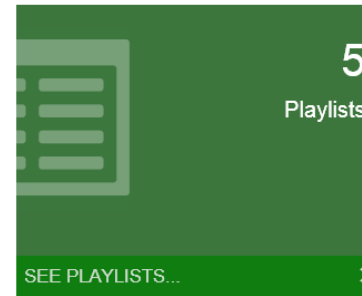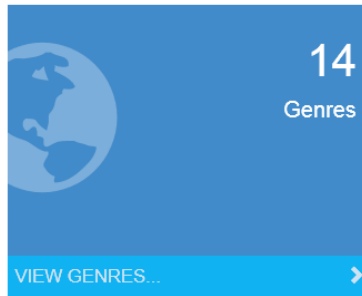
Summary Blocks

Summary Blocks

- Display summary information

Summary Blocks

- Display summary information
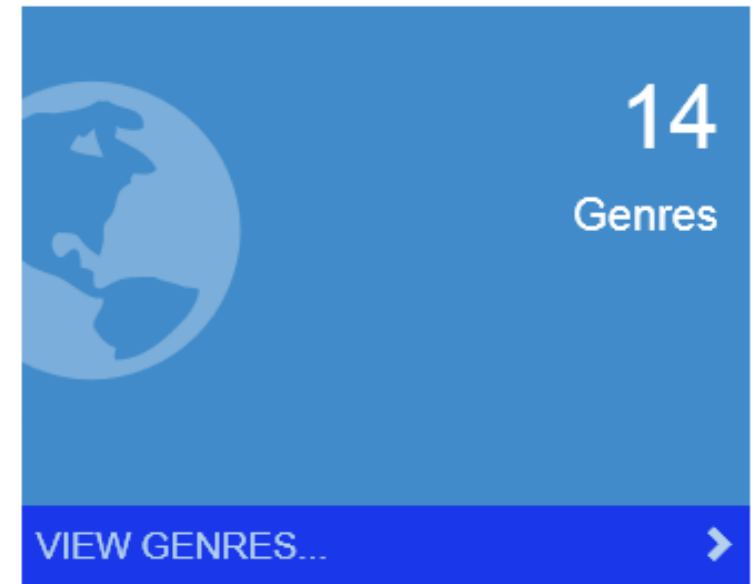
- Use on dashboard screens, main pages, etc.

Summary Blocks

- Display summary information

- Use on dashboard screens, main pages, etc.

- Link to detail page

14

Genres

VIEW GENRES... ❯

Summary Blocks

- Display summary information

- Use on dashboard screens, main pages, etc.

- Link to detail page

- ~100 lines of CSS including 4 themes
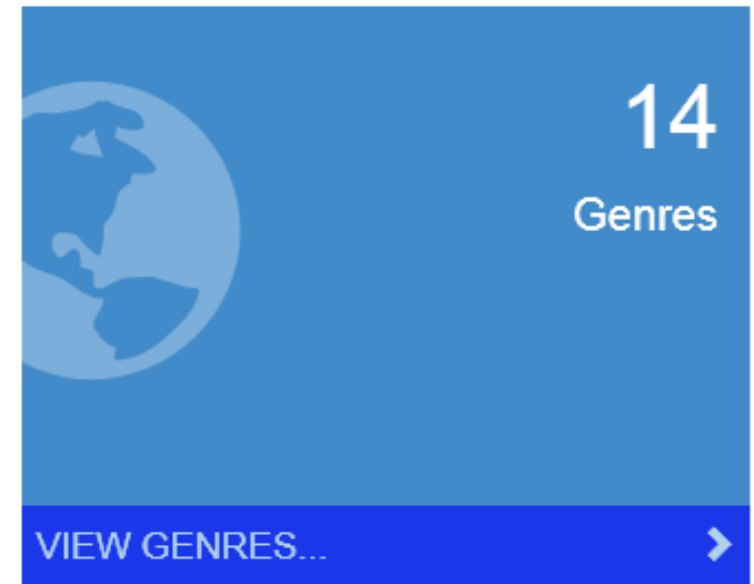
Summary Blocks

- Build HTML structure first

```
<div>
  <div><i class="glyphicon-globe"></i></div>
  <div>
    <div>14</div>
    <div>Genres</div>
  </div>
  <div>
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```

Summary Blocks

Summary Blocks

- Build HTML structure first

```
<div>
  <div><i class="glyphicon-globe"></i></div>
  <div>
    <div>14</div>
    <div>Genres</div>
  </div>
  <div>
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```

Summary Blocks

- Build HTML structure first

Summary Blocks

- Build HTML structure first

```
<div>
  <div><i class="glyphicon-globe"></i></div>
  <div>
    <div>14</div>
    <div>Genres</div>
  </div>
  <div>
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```

Graphic

14
Genres

VIEW GENRES...

Summary Blocks

- Build HTML structure first

```
<div>
  <div><i class="glyphicon-globe"></i></div>
  <div>
    <div>14 ...
    <div>Genres</div>
  </div>
  <div>
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```

Body Text Area

14
Genres

VIEW GENRES...

Summary Blocks

- Build HTML structure first

```html
<div>
  <div><i class="glyphicon-globe"></i></div>
  <div>
    <div>14</div>
    <div>Genres</div>
  </div>
  <div>
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```

Line 1

14
Genres

VIEW GENRES...

Summary Blocks

- Build HTML structure first

```
<div>
  <div><i class="glyphicon-globe"></i></div>
  <div>
    <div>14</div>
    <div>Genres</div>
  </div>
  <div>
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```
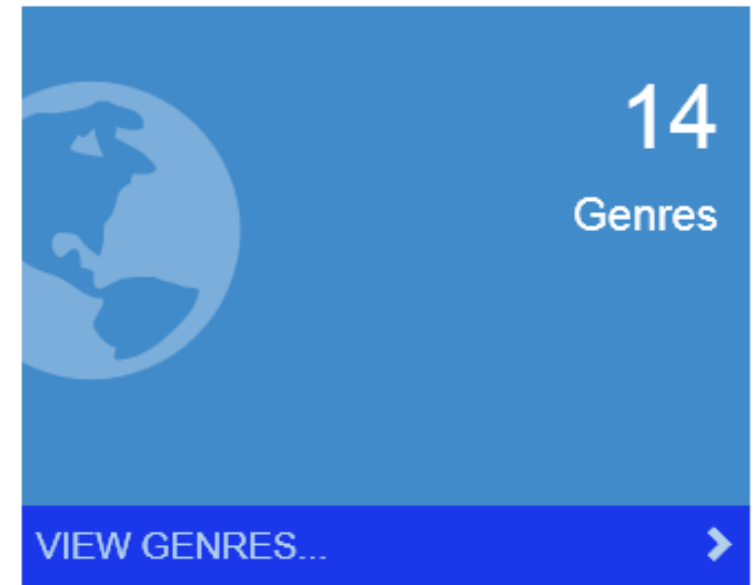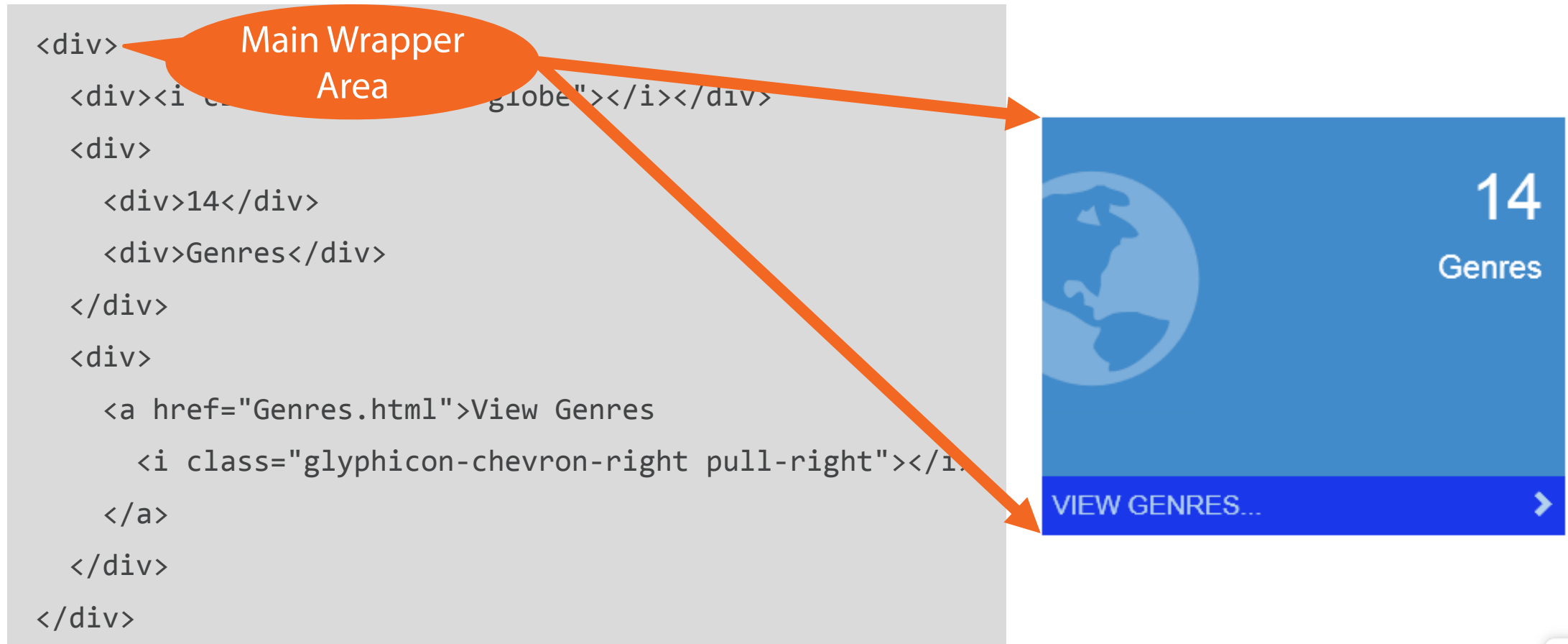
Line 2

14
Genres

VIEW GENRES...

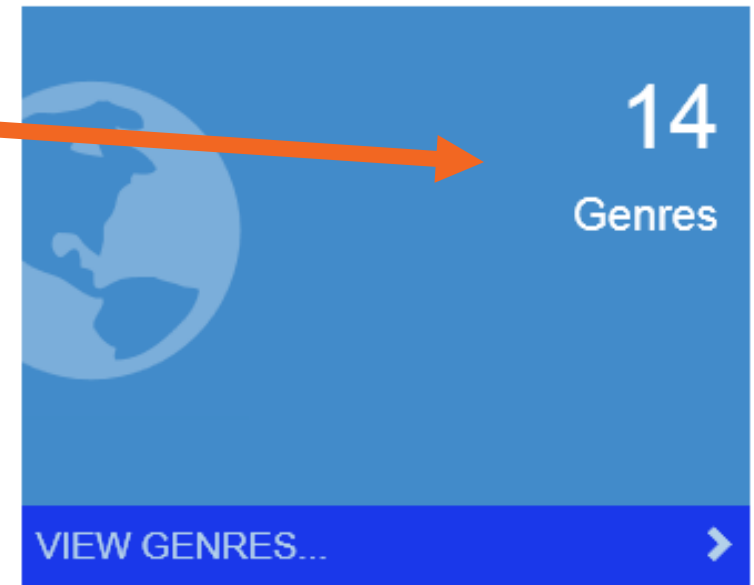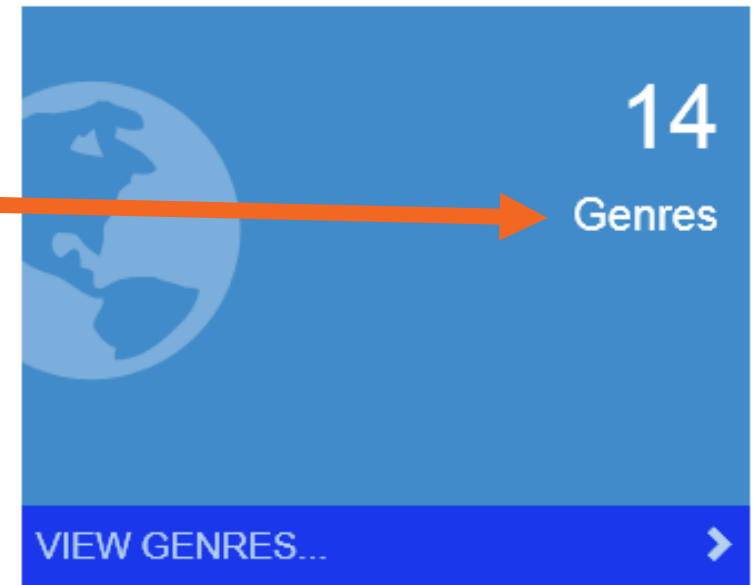# Summary Blocks

- Build HTML structure first

```
<div>

  <div><i class="glyphicon-globe"></i></div>

  <div>

    <div>14</div>

    <div>Genres</div>

  </div>

  <div>

    <a href="Ge          >View Genres

      <i class="glyphicon-chevron-right pull-right ></i>

    </a>

  </div>

</div>
```

Footer Area

14

Genres

VIEW GENRES...

Summary Blocks
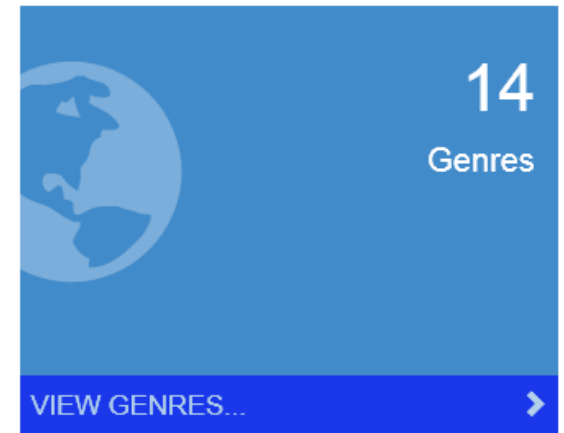
- Now add the CSS

```
<div class="pdsa-summary-block">
  <div class="summary-background"><i class="glyphicon-globe"></i>
  </div>
  <div class="summary-body">
    <div class="summary-line1">14</div>
    <div class="summary-line2">Genres</div>
  </div>
  <div class="summary-footer">
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
```

Summary Blocks

```
<div class="pdsa-summary-block">

  <div clas                        lass="glyphicon-globe"></i>

  </div>

  <div clas    .pdsa-summary-block {

    <div cl        position: relative;
                   width: 100%;
    <div cl        margin: 0.3em;        /div>
                   padding: 1em;
  </div>           min-height: 15em;
                   background-color: #428bca;
  <div clas        color: #fff;
                 }
    <a href="Genres.html">View Genres

      <i class="glyphicon-chevron-right pull-right"></i>

    </a>

  </div>

</div>
```


14
Genres

VIEW GENRES...

Summary Blocks

```html
<div class="pdsa-summary-block">

  <div class="summary-background"><i class="glyphicon-globe"></i>
  </div>

  <div class=
    <div clas
    <div clas
  </div>
  <div class="summary-footer">
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```
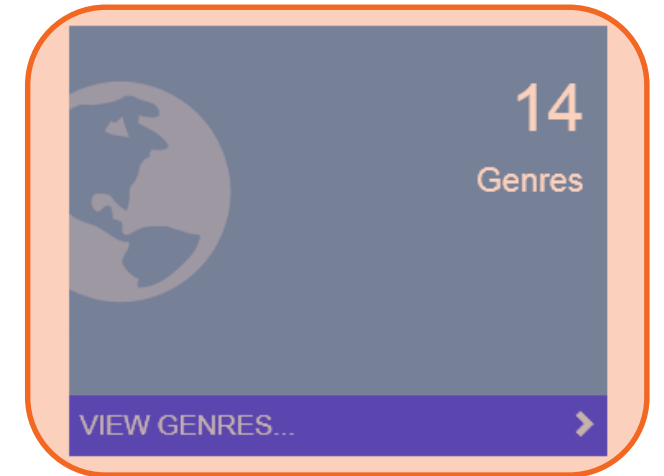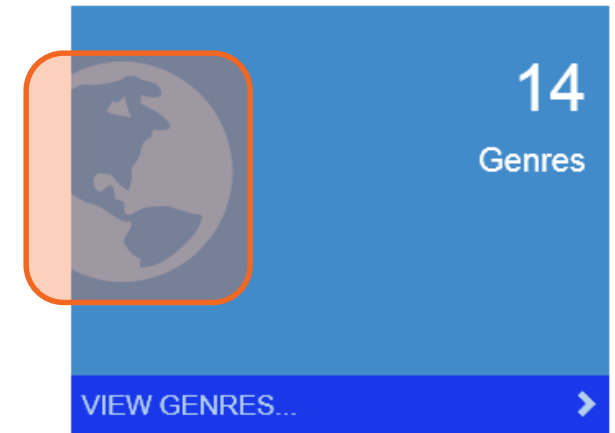
```css
.pdsa-summary-block .summary-background i,
.pdsa-summary-block .summary-background div {
    margin-left: -0.4em;
    margin-top: 0.1em;
    font-size: 8em;
    opacity: 0.3;
}
```

14
Genres

VIEW GENRES...

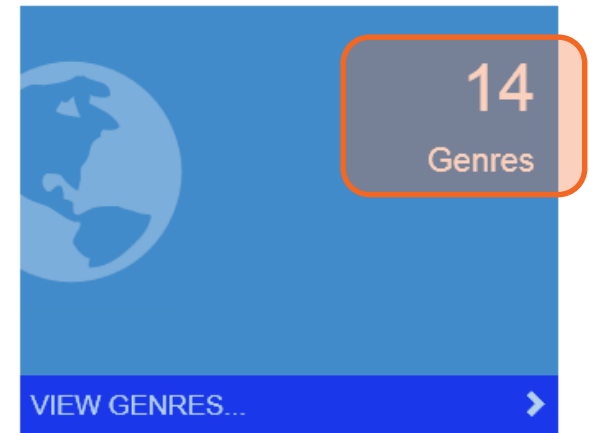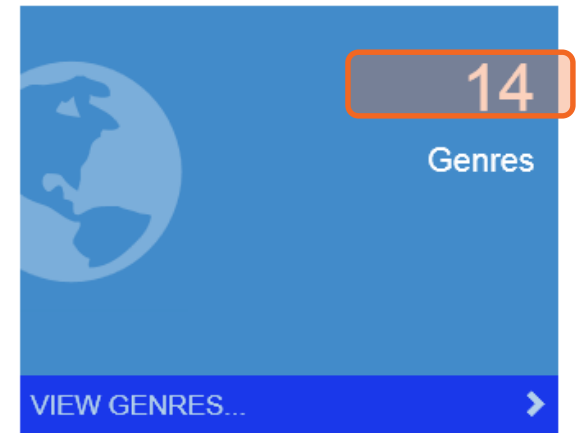# Summary Blocks

```
<div class="pdsa-summary-block">

  <div class="summary-background"><i class="glyphicon-globe"></i>
  </div>
  <div class="summary-body">

    <div clas

    <div clas

  </div>

  <div class=

    <a href="Genres.html">View Genres

      <i class="glyphicon-chevron-right pull-right"></i>

    </a>

  </div>

</div>
```

```css
.pdsa-summary-block .summary-body {
    position: absolute;
    top: 1.3em;
    right: 0.8em;
}
```
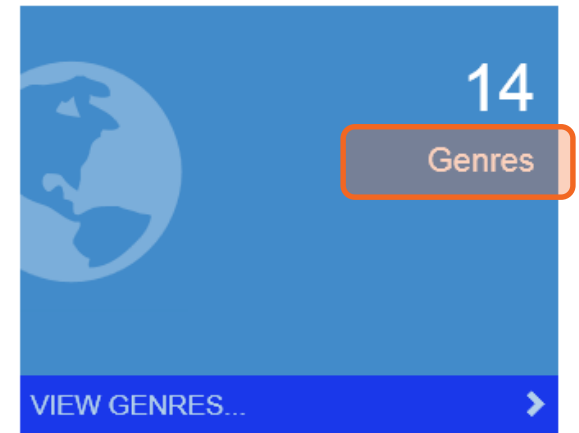
14
Genres

VIEW GENRES...

Summary Blocks

```html
<div class="pdsa-summary-block">

  <div class="summary-background"><i class="glyphicon-globe"></i>
  </div>

  <div class="summary-body">

    <div class="summary-line1">14</div>

    <div class=
  </div>

  <div class="s
```

```css
.pdsa-summary-block .summary-body .summary-line1 {
    text-align: right;
    font-size: xx-large;
}
```

```html
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>

  </div>

</div>
```

14

Genres

VIEW GENRES...

Summary Blocks

```html
<div class="pdsa-summary-block">
  <div class="summary-background"><i class="glyphicon-globe"></i>
  </div>
  <div class="summary-body">
    <div class="summary-line1">14</div>
    <div class="summary-line2">Genres</div>
  </div>
  <div class="
    <a href="G
      <i class= glyphicon chevron right pull right ></i>
    </a>
  </div>
</div>
```
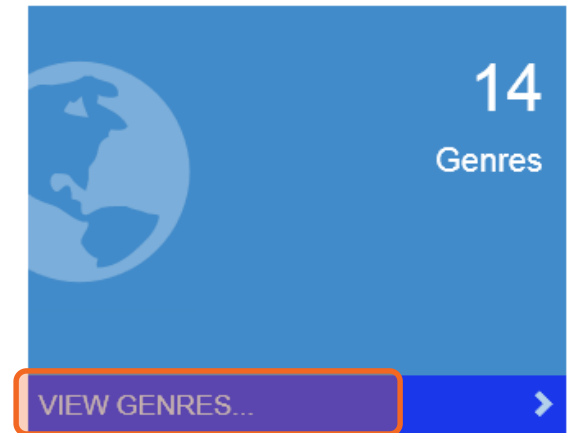
```css
.pdsa-summary-block .summary-body .summary-line2 {
    text-align: right;
    font-size: medium;
}
```

14

Genres

VIEW GENRES...

Summary Blocks

```html
<div class="pdsa-summary-block">

  <div class="summary-background"><i class="glyphicon-globe"></i>
  </div>

  <div class="summary-body">

    <div class="summary-line1"
    <div class="summary-line2"
  </div>

  <div class="summary-footer">

    <a href="Genres.html">View
      <i class="glyphicon-chev
    </a>
  </div>

</div>
```
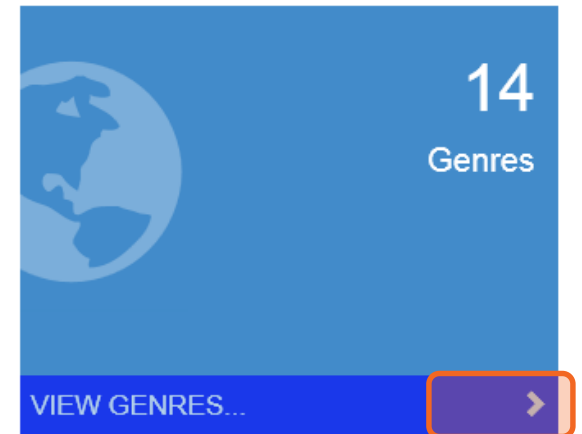
```css
.pdsa-summary-block .summary-footer {
  position: absolute;
  background-color: blue;
  bottom: 0em;
  right: 0em;
  width: 100%;
  padding: 0.4em;
  font-weight: 300;
  text-transform: uppercase;
  font-size: small;
  opacity: 0.6;
}
```

14
Genres
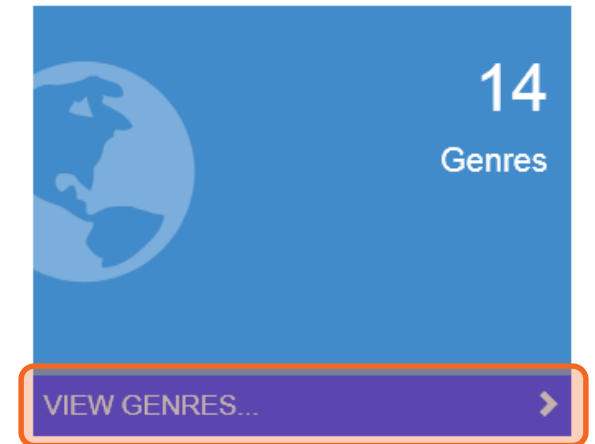
VIEW GENRES...

Summary Blocks

```
<div class="pdsa-summary-block">
  <div class="summary-ba...
  </div>
  <div class="summary-bo...
    <div class="summary-...
    <div class="summary-...
  </div>
  <div class="summary-footer">
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```

```css
.pdsa-summary-block .summary-footer a {
    text-decoration: none;
    color: white;
}

.pdsa-summary-block .summary-footer:hover {
    opacity: 1;
}
```

14
Genres

VIEW GENRES...

Summary Blocks

```html
<div class="pdsa-summary-block">
  <div class="summary-background"><i class="glyphicon-globe"></i>
  </div>
  <div class="summary-body">
    <div class="summary-line1">14</div>
    <div class="summary-line2">Genres</div>
  </div>
  <div class="summary-footer">
    <a href="Genres.html">View Genres
      <i class="glyphicon-chevron-right pull-right"></i>
    </a>
  </div>
</div>
```
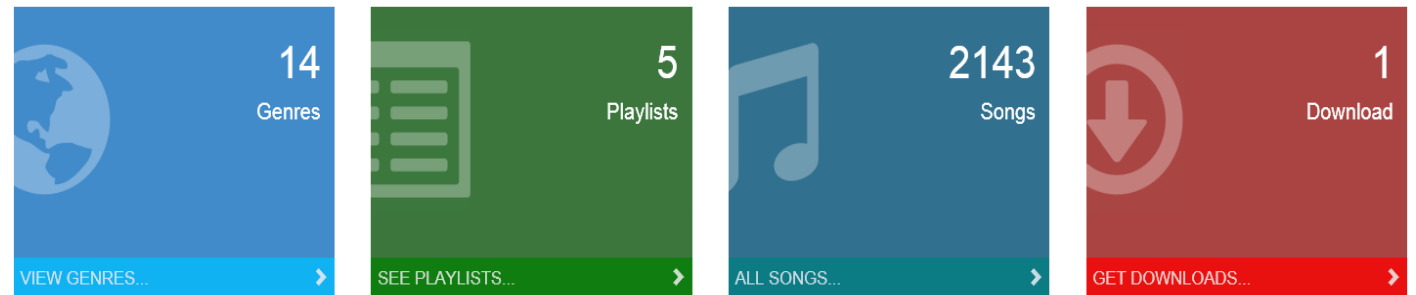
Summary blocks

Theme Summary Blocks

Theme Summary Blocks

- Remove all colors from CSS

Theme Summary Blocks

- Remove all colors from CSS

- Put colors into new CSS styles

Theme Summary Blocks

- Remove all colors from CSS

- Put colors into new CSS styles
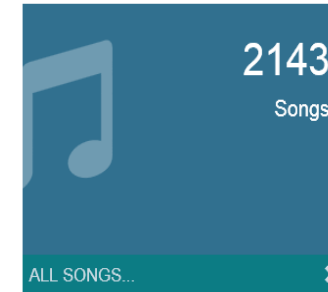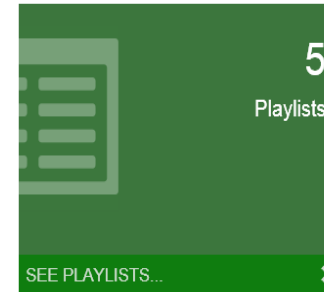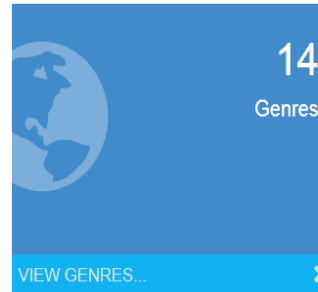
- Follow bootstrap naming scheme

Theme Summary Blocks

- Remove all colors from CSS

- Put colors into new CSS styles

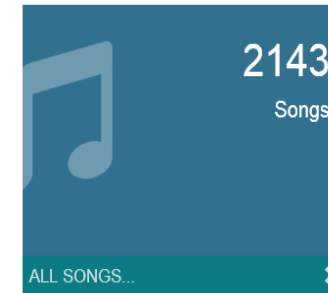- Follow bootstrap naming scheme
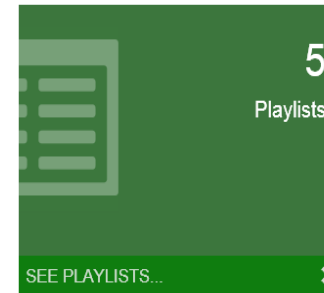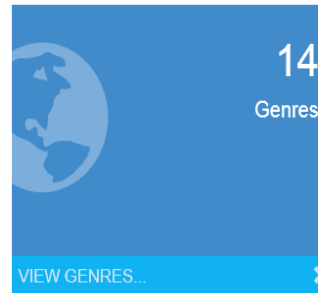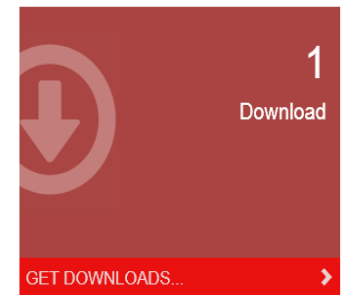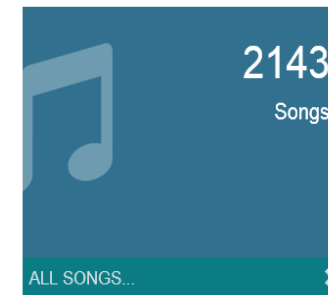   - pdsa-summary-block-primary
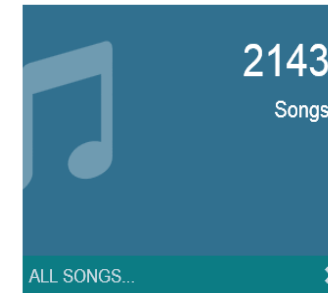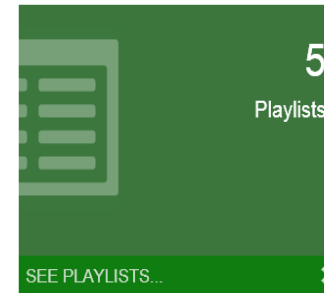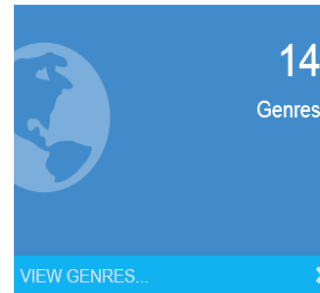
Theme Summary Blocks

- Remove all colors from CSS

- Put colors into new CSS styles

- Follow bootstrap naming scheme
  - pdsa-summary-block-primary
  - pdsa-summary-block-success
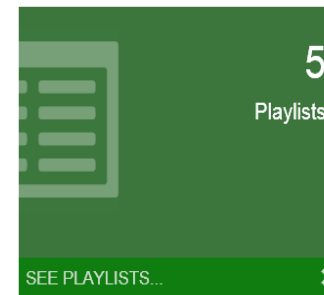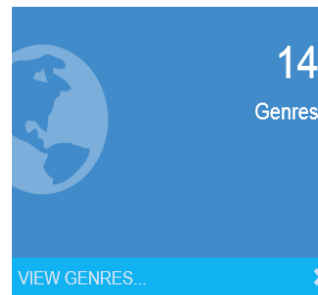
Theme Summary Blocks

- Remove all colors from CSS

- Put colors into new CSS styles

- Follow bootstrap naming scheme
  - pdsa-summary-block-primary
  - pdsa-summary-block-success
  - pdsa-summary-block-info

14 Genres	5 Playlists	2143 Songs	1 Download
VIEW GENRES... ›	SEE PLAYLISTS... ›	ALL SONGS... ›	GET DOWNLOADS... ›

Theme Summary Blocks

- Remove all colors from CSS

- Put colors into new CSS styles

- Follow bootstrap naming scheme
  - pdsa-summary-block-primary
  - pdsa-summary-block-success
  - pdsa-summary-block-info
  - pdsa-summary-block-danger

14
Genres
VIEW GENRES...

5
Playlists
SEE PLAYLISTS...

2143
Songs
ALL SONGS...

1
Download
GET DOWNLOADS...

Theme Summary Blocks

- Remove all colors from styles

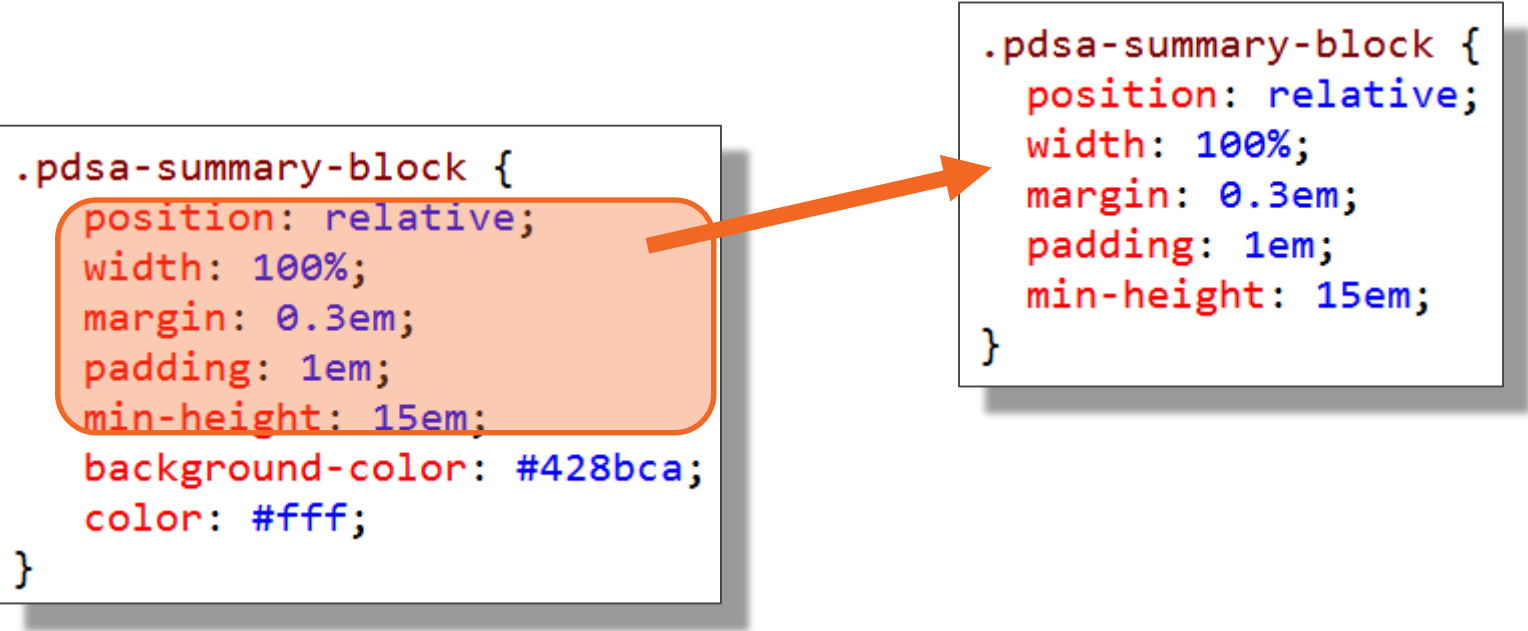# Theme Summary Blocks

- Remove all colors from styles

- Separate into two styles

```
.pdsa-summary-block {
    position: relative;
    width: 100%;
    margin: 0.3em;
    padding: 1em;
    min-height: 15em;
    background-color: #428bca;
    color: #fff;
}
```
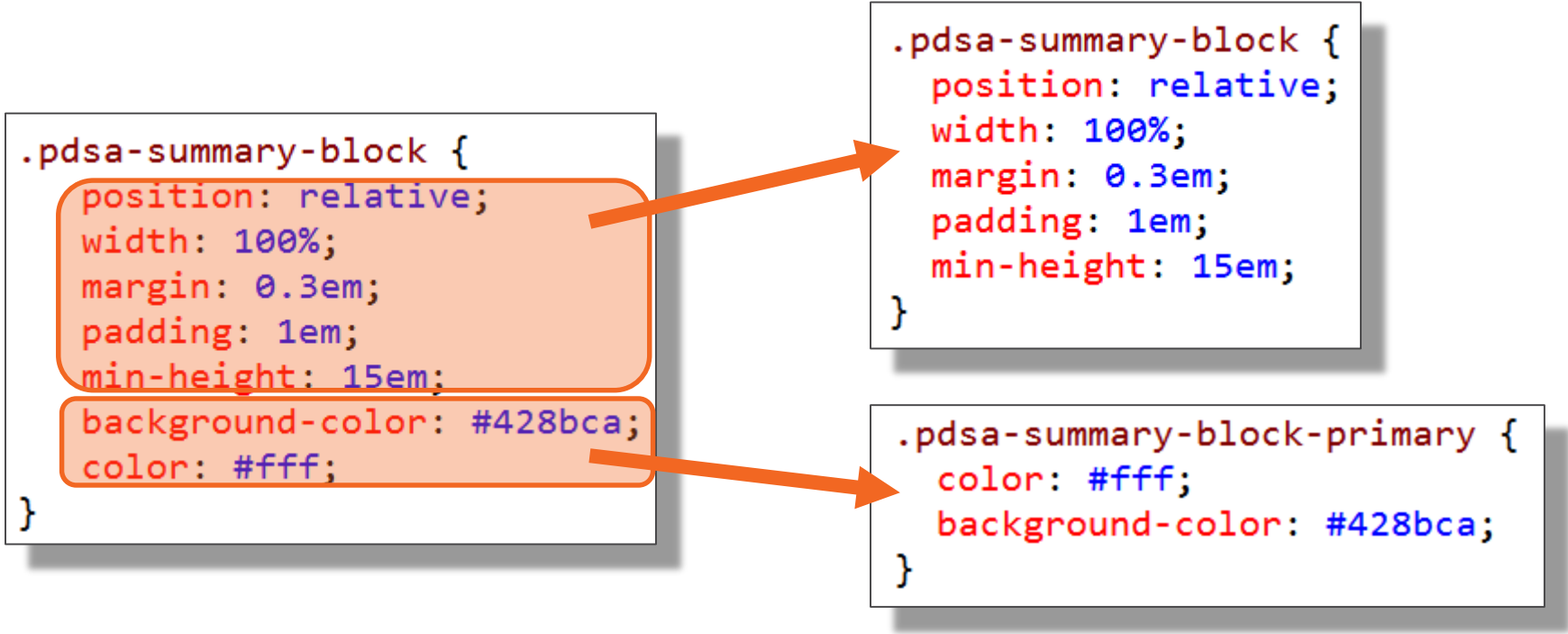
Theme Summary Blocks

- Remove all colors from styles

- Separate into two styles

```
.pdsa-summary-block {
    position: relative;
    width: 100%;
    margin: 0.3em;
    padding: 1em;
    min-height: 15em;
    background-color: #428bca;
    color: #fff;
}
```

```
.pdsa-summary-block {
    position: relative;
    width: 100%;
    margin: 0.3em;
    padding: 1em;
    min-height: 15em;
}
```

Theme Summary Blocks

- Remove all colors from styles

- Separate into two styles

```
.pdsa-summary-block {
  position: relative;
  width: 100%;
  margin: 0.3em;
  padding: 1em;
  min-height: 15em;
  background-color: #428bca;
  color: #fff;
}
```
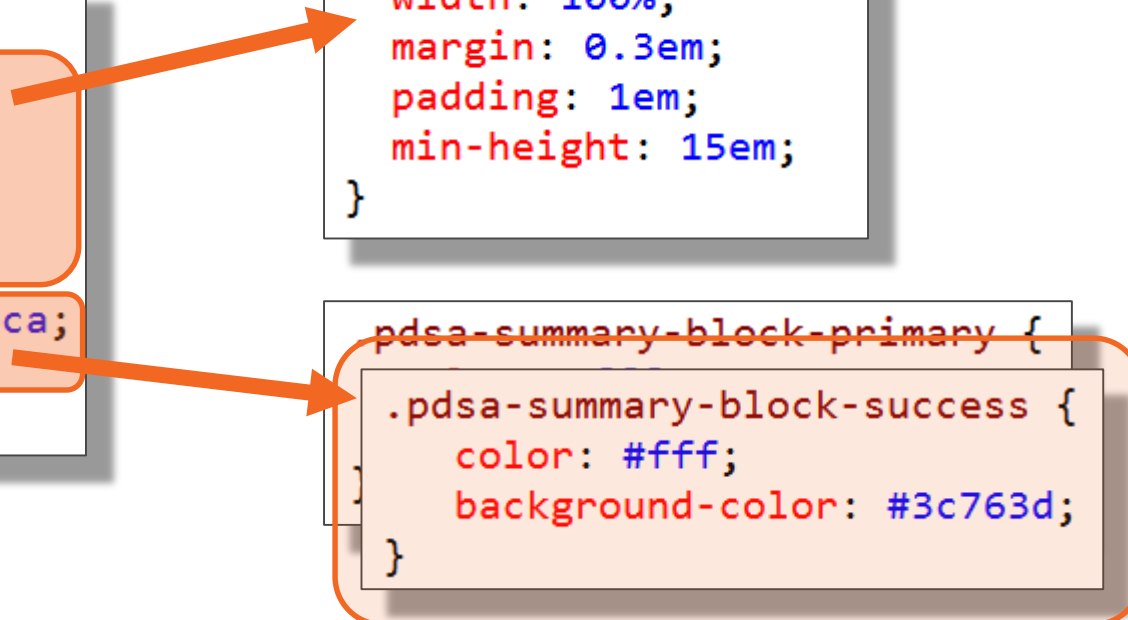
```
.pdsa-summary-block {
  position: relative;
  width: 100%;
  margin: 0.3em;
  padding: 1em;
  min-height: 15em;
}
```

```
.pdsa-summary-block-primary {
  color: #fff;
  background-color: #428bca;
}
```

Theme Summary Blocks

- Remove all colors from styles

- Separate into two styles

- Add additional color styles

```
.pdsa-summary-block {
    position: relative;
    width: 100%;
    margin: 0.3em;
    padding: 1em;
    min-height: 15em;
    background-color: #428bca;
    color: #fff;
}
```

```
.pdsa-summary-block {
    position: relative;
    width: 100%;
    margin: 0.3em;
    padding: 1em;
    min-height: 15em;
}
```

```
.pdsa-summary-block-primary {

}
```

```
.pdsa-summary-block-success {
    color: #fff;
    background-color: #3c763d;
}
```

Theme Summary Blocks

- Use the two styles together on wrapper

Theme Summary Blocks

- Use the two styles together on wrapper
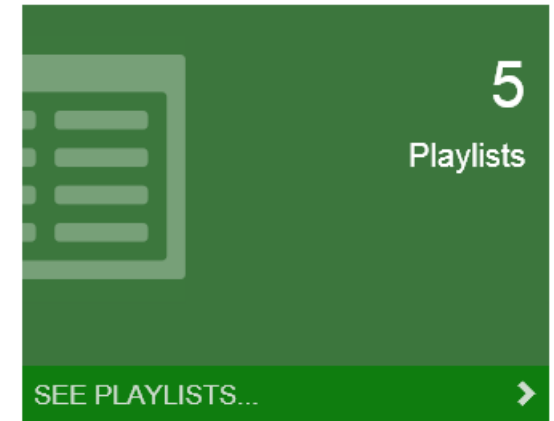
```
<div class="pdsa-summary-block pdsa-summary-block-primary">
    <div class="summary-background">
        <i class="glyphicon glyphicon-heart"></i>
```
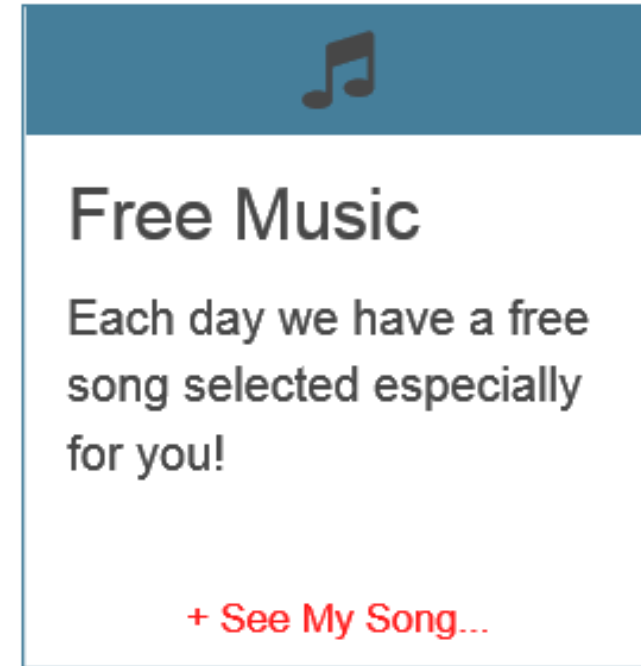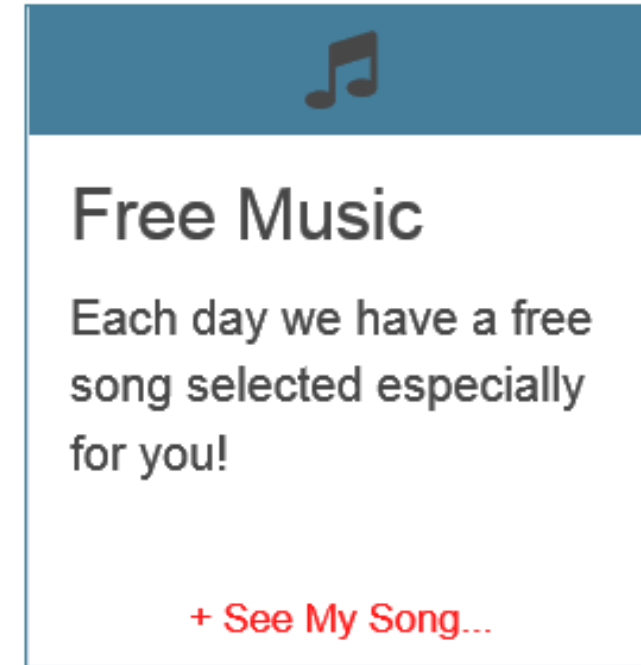

14
Genres

VIEW GENRES...

Theme Summary Blocks

- Use the two styles together on wrapper

```html
<div class="pdsa-summary-block pdsa-summary-block-primary">
    <div class="summary-background">
        <i class="glyphicon glyphicon-heart"></i>
```

```html
<div class="pdsa-summary-block pdsa-summary-block-success">
    <div class="summary-background">
        <i class="glyphicon glyphicon-bell"></i>
```

5
Playlists

SEE PLAYLISTS...
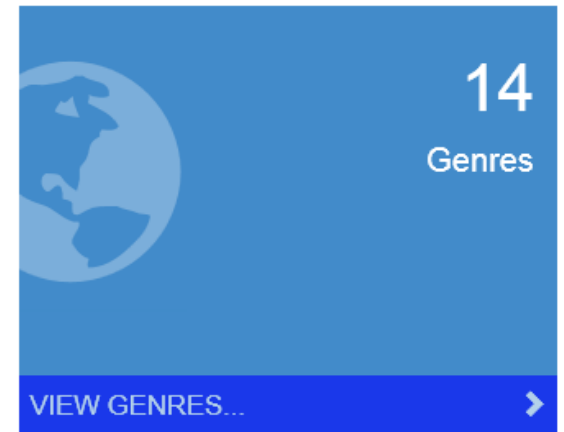
Summary block themes

Readme Box

Readme Box

- Display a readme box

Readme Box

- Display a readme box

- Leads to more information

Readme Box

- Display a readme box
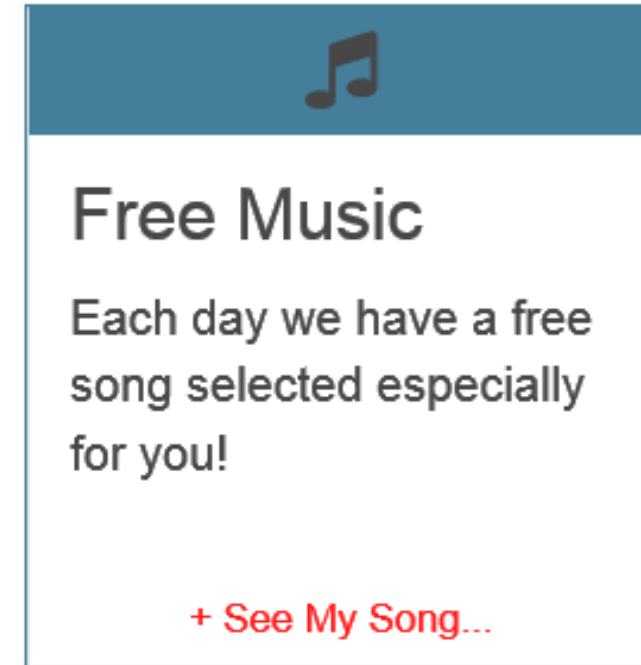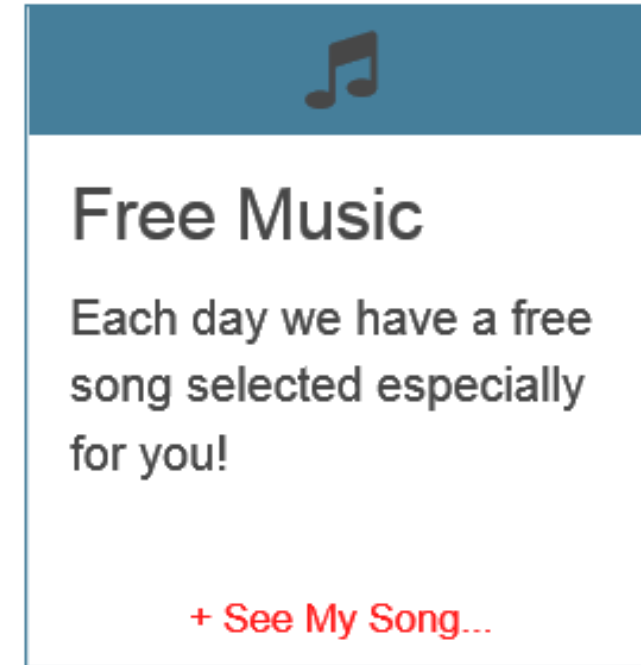
- Leads to more information

- Created with CSS

Readme Box

- Display a readme box
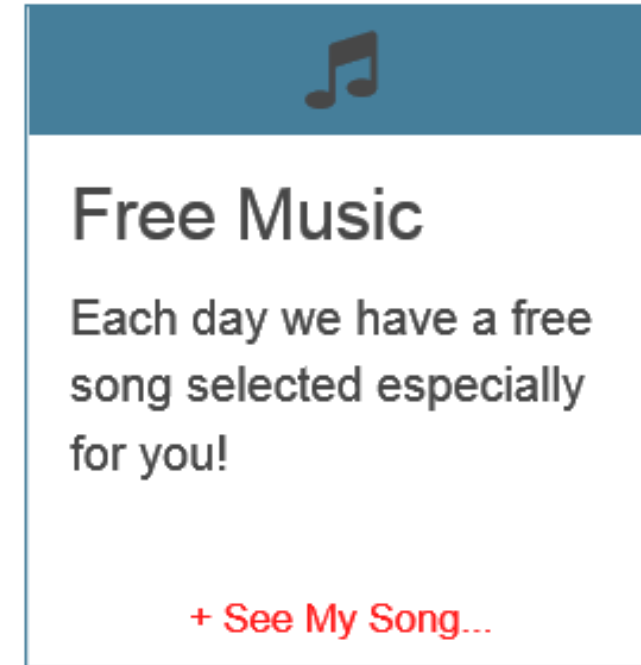- Leads to more information
- Created with CSS
  - Header

Free Music

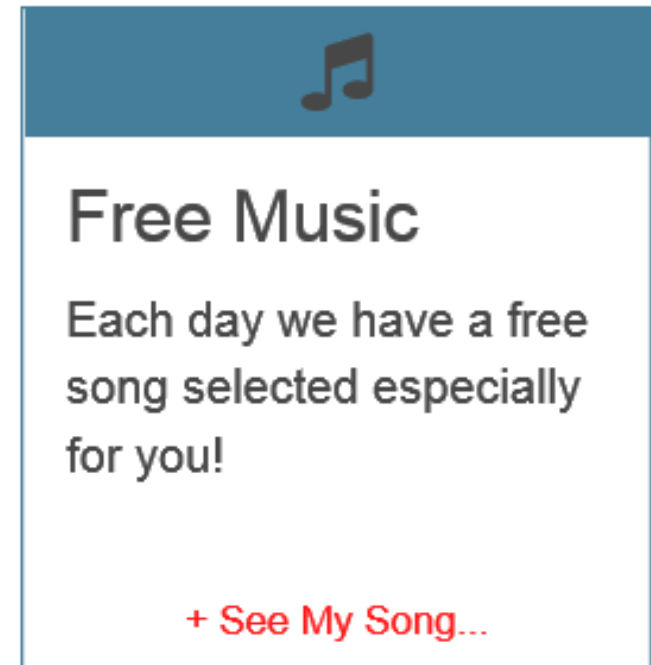Each day we have a free song selected especially for you!

+ See My Song...
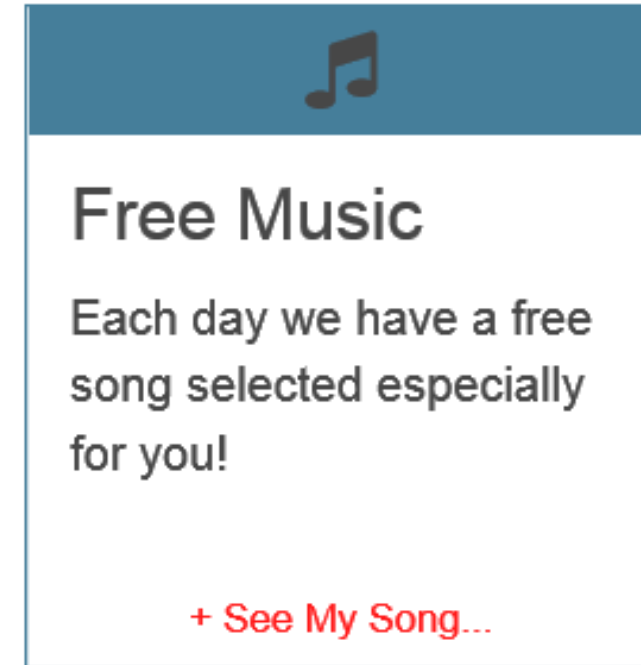
Readme Box

- Display a readme box

- Leads to more information

- Created with CSS
  - Header
  - Body

Readme Box

- Display a readme box

- Leads to more information

- Created with CSS
  - Header
  - Body
  - Footer
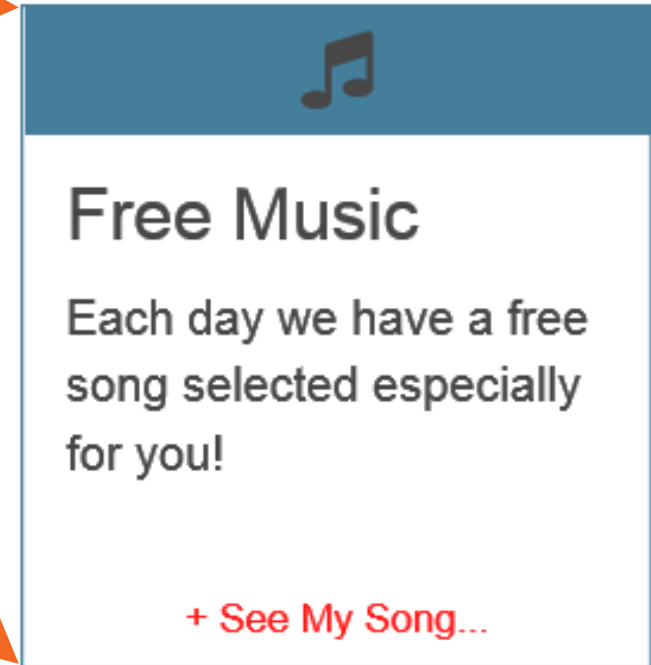
Readme Box

- Layout HTML and styles

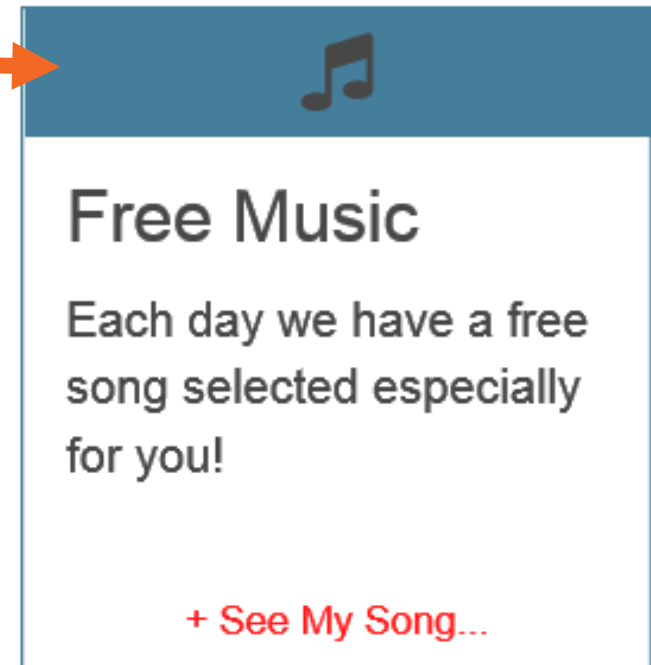# Readme Box

- Layout HTML and styles

```
<div class="pdsa-readme-box">
    <div class="readme-header">
      <i class="glyphicon glyphicon-music"></i>
    </div>
    <div class="readme-body">
      <h1>Free Music</h1>
      <p>Each day we have a free song...</p>
    </div>
    <div class="readme-footer">
      <a href="FreeSong.html">+ See My Song... </a>
    </div>
</div>
```
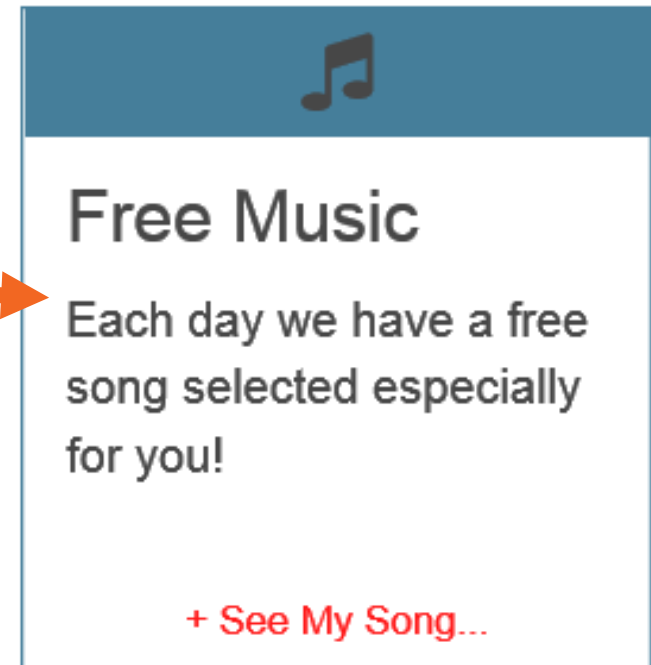
Free Music

Each day we have a free song selected especially for you!

+ See My Song...

Readme Box

- Layout HTML and styles

```html
<div class="pdsa-readme-box">
    <div class="readme-header">
        <i class="glyphicon glyphicon-music"></i>
    </div>
    <div class="readme-body">
        <h1>Free Music</h1>
        <p>Each day we have a free song...</p>
    </div>
    <div class="readme-footer">
        <a href="FreeSong.html">+ See My Song... </a>
    </div>
</div>
```
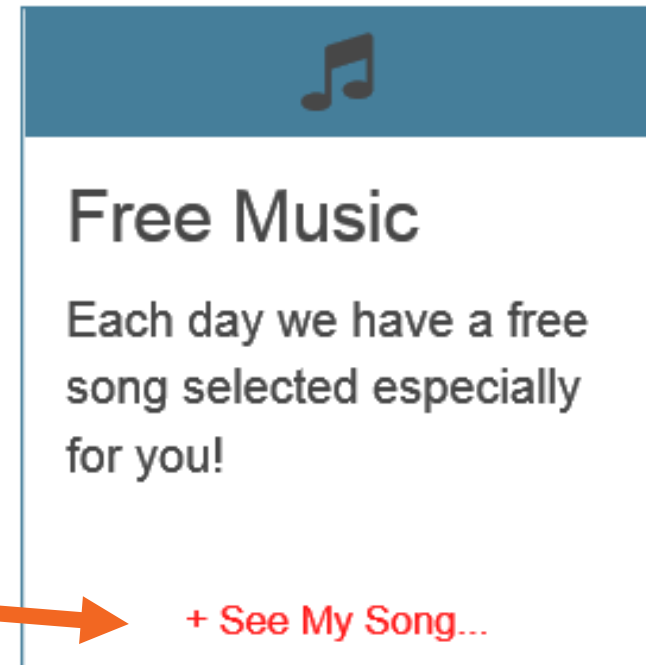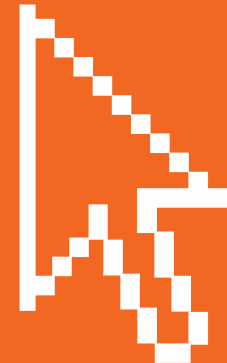

Free Music

Each day we have a free song selected especially for you!

+ See My Song...

Readme Box

- Layout HTML and styles

```
<div class="pdsa-readme-box">
    <div class="readme-header">
        <i class="glyphicon glyphicon-music"></i>
    </div>
    <div class="readme-body">
        <h1>Free Music</h1>
        <p>Each day we have a free song...</p>
    </div>
    <div class="readme-footer">
        <a href="FreeSong.html">+ See My Song... </a>
    </div>
</div>
```

Free Music

Each day we have a free
song selected especially
for you!

+ See My Song...

Readme Box

- Layout HTML and styles

```html
<div class="pdsa-readme-box">
    <div class="readme-header">
        <i class="glyphicon glyphicon-music"></i>
    </div>
    <div class="readme-body">
        <h1>Free Music</h1>
        <p>Each day we have a free song...</p>
    </div>
    <div class="readme-footer">
        <a href="FreeSong.html">+ See My Song... </a>
    </div>
</div>
```

Free Music

Each day we have a free song selected especially for you!

+ See My Song...

Readme Box

- Layout HTML and styles

```html
<div class="pdsa-readme-box">
    <div class="readme-header">
      <i class="glyphicon glyphicon-music"></i>
    </div>
    <div class="readme-body">
      <h1>Free Music</h1>
      <p>Each day we have a free song...</p>
    </div>
    <div class="readme-footer">
      <a href="FreeSong.html">+ See My Song... </a>
    </div>
</div>
```

♫

Free Music

Each day we have a free song selected especially for you!

+ See My Song...

Readme Box

Theme Readme Box

Theme Readme Box

- Remove **all** colors from CSS

Theme Readme Box

- Remove all colors from CSS

- Put colors into new CSS styles

Theme Readme Box

- Remove all colors from CSS

- Put colors into new CSS styles

- Follow bootstrap naming scheme

Theme Readme Box

- Remove all colors from CSS

- Put colors into new CSS styles

- Follow bootstrap naming scheme
  - pdsa-readme-box-primary

Theme Readme Box

- Remove all colors from CSS

- Put colors into new CSS styles

- Follow bootstrap naming scheme
  - pdsa-readme-box-primary
  - pdsa-readme-box-success

Theme Readme Box

- Remove all colors from CSS

- Put colors into new CSS styles

- Follow bootstrap naming scheme
  - pdsa-readme-box-primary
  - pdsa-readme-box-success
  - pdsa-readme-box-info

Themed Readme Box
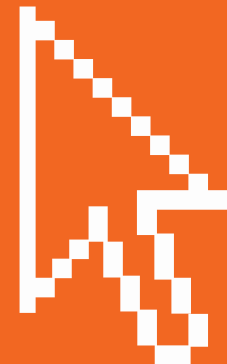
Summary

Summary

- Have a "vision" in mind of what you want to create

Summary

- Have a "vision" in mind of what you want to create

- Build HTML first

Summary

- Have a "vision" in mind of what you want to create

- Build HTML first

- Add CSS

Summary

- Have a "vision" in mind of what you want to create

- Build HTML first

- Add CSS

- Add themes (if applicable)

Summary

- Have a "vision" in mind of what you want to create

- Build HTML first

- Add CSS

- Add themes (if applicable)

- Use glyphs to add interest

Summary

- Have a "vision" in mind of what you want to create

- Build HTML first

- Add CSS

- Add themes (if applicable)

- Use glyphs to add interest

- Place into Bootstrap columns ('col-xx')

Summary

- Have a "vision" in mind of what you want to create

- Build HTML first

- Add CSS

- Add themes (if applicable)

- Use glyphs to add interest

- Place into Bootstrap columns ('col-xx')
  - Avoids you having to build responsive widgets