Custom Product Selectors

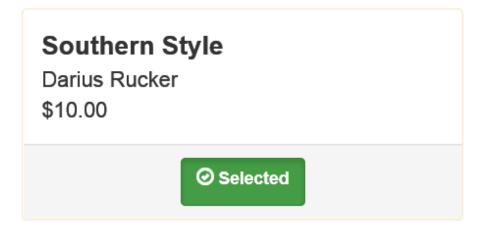


Paul D. Sheriff

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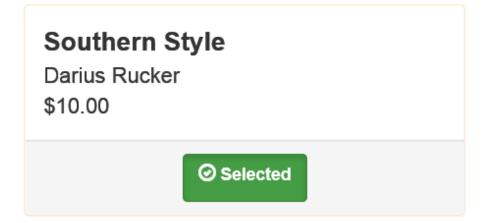


Build custom product selection boxes



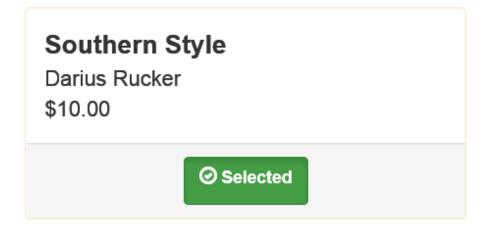


- Build custom product selection boxes
 - Use Bootstrap panel classes



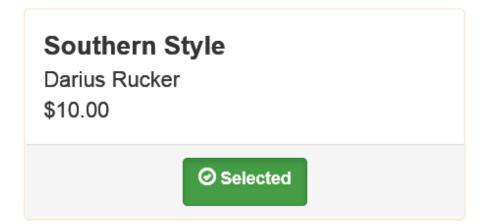


- Build custom product selection boxes
 - Use Bootstrap panel classes
 - Add custom styles



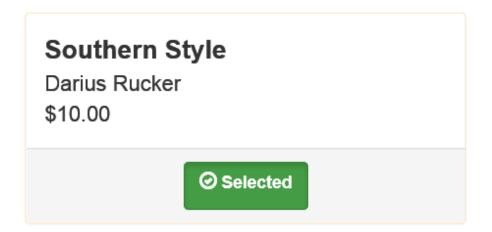


- Build custom product selection boxes
 - Use Bootstrap panel classes
 - Add custom styles
- Add check boxes in buttons



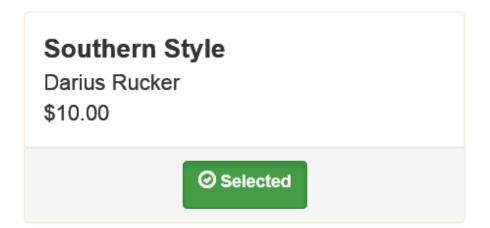


- Build custom product selection boxes
 - Use Bootstrap panel classes
 - Add custom styles
- Add check boxes in buttons
- Use jQuery to calculate total



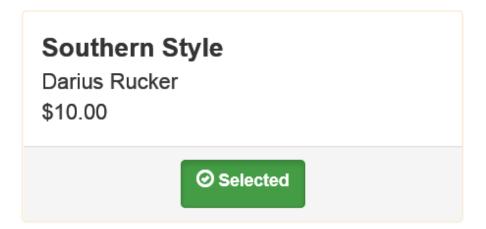


- Build custom product selection boxes
 - Use Bootstrap panel classes
 - Add custom styles
- Add check boxes in buttons
- Use jQuery to calculate total
- Use JavaScript objects for generic code



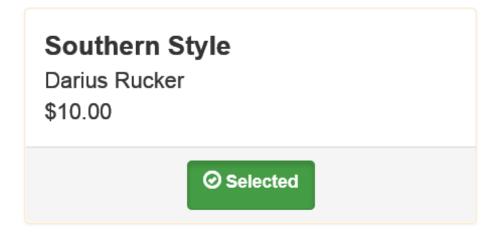


- Build custom product selection boxes
 - Use Bootstrap panel classes
 - Add custom styles
- Add check boxes in buttons
- Use jQuery to calculate total
- Use JavaScript objects for generic code
- Let's get started...

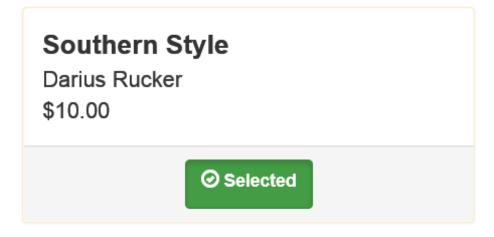




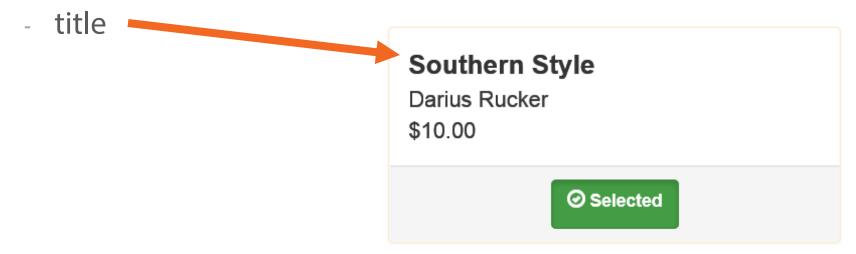
Start with built-in bootstrap panel classes



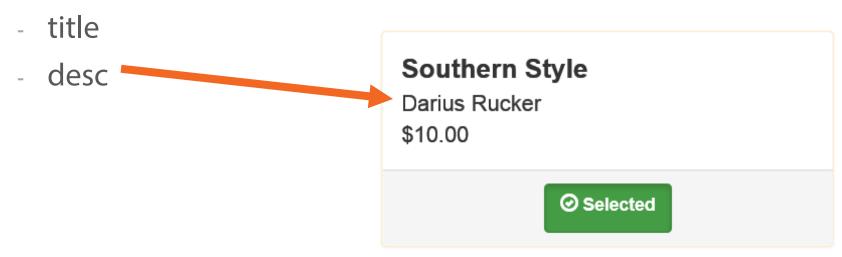
- Start with built-in bootstrap panel classes
- Add styles for each area of the selector



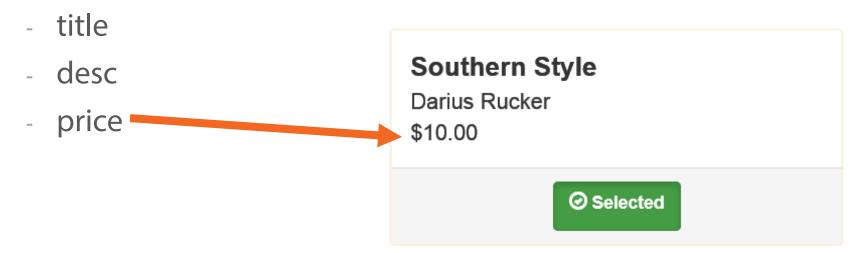
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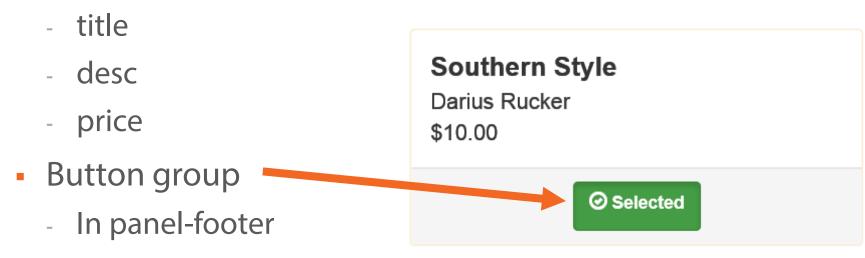
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- Start with built-in bootstrap panel classes
- Add styles for each area of the selector



Button group uses check box covered in last module

```
<div class="btn-group" data-toggle="buttons">
   <label class="btn btn-success active">
      <span class="glyphicon glyphicon-ok-circle"></span>
      <input id="chk1" type="checkbox" checked="checked" />
      <label for="chk1">Selected</label>
   </label>
</div>
```

Button group uses check box covered in last module

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jQuery is used to toggle buttons and change text

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- Respond to change event on check boxes

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A single product selector



Too much hard-coding in last sample

- Too much hard-coding in last sample
- We need to remove

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- We need to remove
 - 'glyphicon'

- Too much hard-coding in last sample
- We need to remove
 - 'glyphicon'
 - 'btn-success'

- Too much hard-coding in last sample
- We need to remove
 - 'glyphicon'
 - 'btn-success'
 - 'btn-primary'

- Too much hard-coding in last sample
- We need to remove
 - 'glyphicon'
 - 'btn-success'
 - 'btn-primary'
 - 'Selected'

- Too much hard-coding in last sample
- We need to remove
 - 'glyphicon'
 - 'btn-success'
 - 'btn-primary'
 - 'Selected'
 - 'Not Selected'

Create JavaScript object for check box options

```
var checkOptions = {
  id: "",
  checkedGlyph: "glyphicon-ok-circle",
  uncheckedGlyph: "glyphicon-unchecked",
  checkedBtnClass: "btn-success",
  uncheckedBtnClass: "btn-primary",
  checkedText: "Selected",
  uncheckedText: "Not Selected"
};
```

- Create JavaScript object for check box options
- Avoids hard coding

```
var checkOptions = {
  id: "",
  checkedGlyph: "glyphicon-ok-circle",
  uncheckedGlyph: "glyphicon-unchecked",
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- Create JavaScript object for check box options
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- Notice the property names

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var checkOptions = {
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};
```

- Create JavaScript object for check box options
- Avoids hard coding
- Notice the property names
- Notice the default values

```
var checkOptions = {
  id: "",
  checkedGlyph: "glyphicon-ok-circle",
  uncheckedGlyph: "glyphicon-unchecked",
  checkedBtnClass: "btn-success",
  uncheckedBtnClass: "btn-primary",
  checkedText: "Selected",
  uncheckedText: "Not Selected"
};
```

Defaults are set as shown in previous slide

- Defaults are set as shown in previous slide
- Modify checkOptions properties to change check boxes

```
$(document).ready(function () {
    checkOptions.id = "#productSelectors";
    checkOptions.checkedText = "In Cart";
});
```

- Defaults are set as shown in previous slide
- Modify checkOptions properties to change check boxes

```
$(document).ready(function () {
   checkOptions.id = "#productSelectors";
   checkOptions.checkedText = "In Cart";
});
```

Create two functions

- Create two functions
 - Replace code in if statement

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- Call one of the following based on checked property

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 - Replace code in if statement
- Call one of the following based on checked property
 - setChecked

```
function setChecked(ctl) {
    $(ctl).prev()
        .removeClass(checkOptions.uncheckedGlyph)
        .addClass(checkOptions.checkedGlyph);
    $(ctl).parent()
        .removeClass(checkOptions.uncheckedBtnClass)
        .addClass(checkOptions.checkedBtnClass);
    $($(ctl).next()).text(checkOptions.checkedText);
}
```

- Create two functions
 - Replace code in if statement
- Call one of the following based on checked property
 - setChecked

```
function setChecked(ctl) {
    $(ctl).prev()
        .removeClass(checkOptions.uncheckedGlyph)
        .addClass(checkOptions.checkedGlyph);
    $(ctl).parent()
        .removeClass(checkOptions.uncheckedBtnClass)
        .addClass(checkOptions.checkedBtnClass);
    $($(ctl).next()).text(checkOptions.checkedText);
}
```

- Create two functions
 - Replace code in if statement
- Call one of the following based on checked property
 - setChecked
 - setUnchecked

```
function setUnchecked(ctl) {
    $(ctl).prev()
        .removeClass(checkOptions.checkedGlyph)
        .addClass(checkOptions.uncheckedGlyph);
    $(ctl).parent()
        .removeClass(checkOptions.checkedBtnClass)
        .addClass(checkOptions.uncheckedBtnClass);
    $($(ctl).next()).text(checkOptions.uncheckedText);
}
```

- Create two functions
 - Replace code in if statement
- Call one of the following based on checked property
 - setChecked
 - setUnchecked
- These functions toggle the glyphs and text

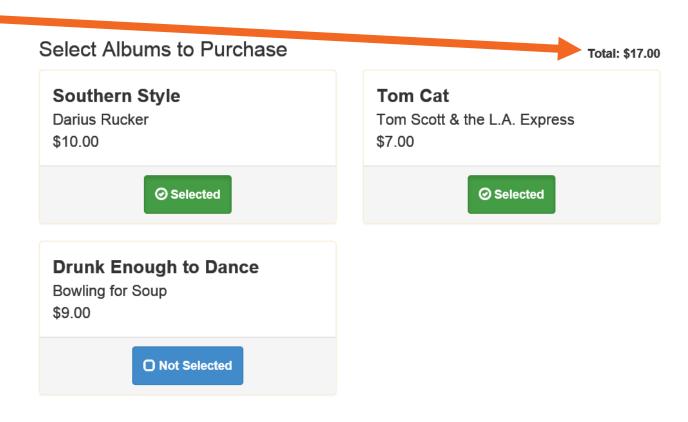
```
function setUnchecked(ctl) {
    $(ctl).prev()
        .removeClass(checkOptions.checkedGlyph)
        .addClass(checkOptions.uncheckedGlyph);
    $(ctl).parent()
        .removeClass(checkOptions.checkedBtnClass)
        .addClass(checkOptions.uncheckedBtnClass);
    $($(ctl).next()).text(checkOptions.uncheckedText);
}
```

Generic check boxes



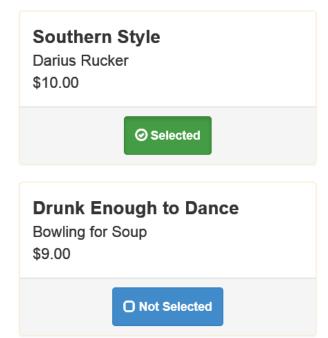
Keep running total of products selected

- Keep running total of products selected
 - Add



- Keep running total of products selected
 - Add
- Write jQuery

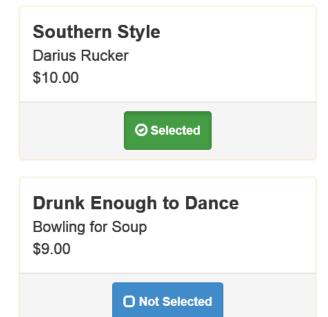
Select Albums to Purchase

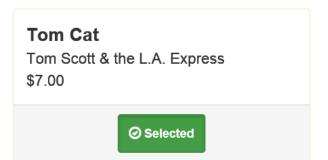




- Keep running total of products selected
 - Add
- Write jQuery
 - Connect to change event on check boxes

Select Albums to Purchase





- Keep running total of products selected
 - Add
- Write jQuery
 - Connect to change event on check boxes
 - Calculate total on change

Southern Style Darius Rucker \$10.00

■ Not Selected

Select Albums to Purchase

Drunk Enough to Dance

Bowling for Soup

\$9.00



\$9.00

- Keep running total of products selected
 - Add
- Write jQuery
 - Connect to change event on check boxes
 - Calculate total on change
 - Get price in each box

Southern Style Darius Rucker \$10.00 Selected Drunk Enough to Dance Bowling for Soup

■ Not Selected

Select Albums to Purchase



- Keep running total of products selected
 - Add
- Write jQuery
 - Connect to change event on check boxes
 - Calculate total on change
 - Get price in each box
 - Strip currency symbols

Select Albums to Purchase



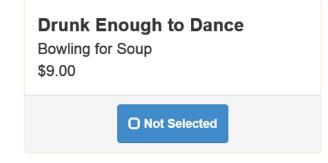




- Keep running total of products selected
 - Add
- Write jQuery
 - Connect to change event on check boxes
 - Calculate total on change
 - Get price in each box
 - Strip currency symbols
 - Add/subtract from total area

Select Albums to Purchase



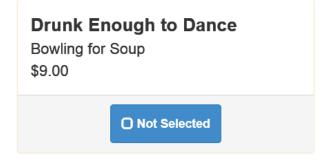




- Keep running total of products selected
 - Add
- Write jQuery
 - Connect to change event on check boxes
 - Calculate total on change
 - Get price in each box
 - Strip currency symbols
 - Add/subtract from total area
 - Format numbers as currency

Select Albums to Purchase







```
function stripCurrency(value, symbol, separator) {
  symbol = (typeof symbol == 'undefined' ? '$' : symbol);
  separator = (typeof separator == 'undefined' ? ',' : separator);
 value = value.replace(symbol, "")
               .replace(separator, "")
               .replace(" ", "");
  return value;
```

stripCurrency function

Optional parameters

```
function stripCurrency(value, symbol, separator) {
  symbol = (typeof symbol == 'undefined' ? '$' : symbol);
  separator = (typeof separator == 'undefined' ? ',' : separator);
  value = value.replace(symbol, "")
               .replace(separator, "")
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```

stripCurrency function

Optional parameters (defaults to U.S. format)

```
function stripCurrency(value, symbol, separator) {
 symbol = (typeof symbol == 'undefined' ? '$' : symbol);
  separator = (typeof separator == 'undefined' ? ',' : separator);
 value = value.replace(symbol, "")
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```

```
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  symbol = (typeof symbol == 'undefined' ? '$' : symbol);
  separator = (typeof separ
                                                   ',' : separator);
                              Strip currency symbol
 value = value.replace(symbol, "")
                .replace(separator, "")
                .replace(" ", "");
  return value;
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```
function stripCurrency(value, symbol, separator) {
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function stripCurrency(value, symbol, separator) {
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  separator = (typeof separator == 'undefined' ? ',' : separator);
 value = value.replace(symbol, "")
               .replace(separator, "")
                                                   Strip spaces
               .replace(" ", "");
  return value;
```

formatCurrency function

```
function formatCurrency(value, decimals, decpoint, separator, symbol) {
  decimals = (typeof decimals == 'undefined' ? 2 : decimals);
  decpoint = (typeof decpoint == 'undefined' ? '.' : decpoint);
  separator = (typeof separator == 'undefined' ? ',' : separator);
  symbol = (typeof symbol == 'undefined' ? '$' : symbol);
  var parts = value.toFixed(decimals).toString().split(decpoint);
  parts[0] = parts[0].replace(/\B(?=(\d{3})+(?!\d))/g, separator);
  return (symbol + parts.join(decpoint)).toLocaleString();
```

formatCurrency function

Optional parameters

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  separator = (typeof separator == 'undefined' ? ',' : separator);
  symbol = (typeof symbol == 'undefined' ? '$' : symbol);
                                                            Break into array based on
                                                              decimal point symbol
 var parts = value.toFixed(decimals).toString().split(decpoint);
  parts[0] = parts[0].replace(/\B(?=(\d{3})+(?!\d))/g, separator);
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  separator = (typeof separator == 'undefined' ? ',' : separator);
  symbol = (typeof symbol == 'undefined' ? '$' : symbol);
                                                              Create currency with
                                                               separator character
  var parts = value.toFixed(decimals).toString().split(de
 parts[0] = parts[0].replace(/\B(?=(\d{3})+(?!\d))/g, separator);
  return (symbol + parts.join(decpoint)).toLocaleString();
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  separator = (typeof separator == 'undefined' ? ',' : separator);
  symbol = (typeof symbol == 'undefined' ? '$' : symbol);
                                                              Join currency part and
  var parts = value.toFixed(decimals).toString().split(de
                                                              number after decimal
  parts[0] = parts[0].replace(/\B(?=(\d{3})+(?!\d))/g, se_{-}
  return (symbol + parts.join(decpoint)).toLocaleString();
```



Put all CSS and jQuery into .css and .js files

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- Genericize total calculation function

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 - Add JavaScript object

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var totalOptions = {
   id: "#total",
   priceClass: ".price",
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}
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```

Everything moved into .css and .js files





Combine Bootstrap elements together to create new widgets



- Combine Bootstrap elements together to create new widgets
- Add your own styling within new widgets



- Combine Bootstrap elements together to create new widgets
- Add your own styling within new widgets
- Put your widgets into Bootstrap columns



- Combine Bootstrap elements together to create new widgets
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 - Don't have to do all the responsive coding



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- Combine Bootstrap elements together to create new widgets
- Add your own styling within new widgets
- Put your widgets into Bootstrap columns
 - Don't have to do all the responsive coding
- Create JavaScript objects to avoid hard-coding
- Put jQuery into .js files for reusability
- Put CSS into .css files for reusability

