



# TYPICAL ELEMENTS AND CLASSES

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# PORYGON LAYOUT TEMPLATE SOURCE

- ❖ Let's take a look at the Porygon Layout source code.

```
<div class="porygon-50-50-width-limited" id="main-content" role="main">
  <div class="portlet-layout row">
    <div class="col-md-2 portlet-column portlet-column-first" id="column-1">
      $processor.processColumn("column-1", "portlet-column-content
      portlet-column-content-first")
    </div>
    <div class="col-md-4 portlet-column" id="column-2">
      $processor.processColumn("column-2", "portlet-column-content")
    </div>
    <div class="col-md-4 portlet-column" id="column-3">
      $processor.processColumn("column-3", "portlet-column-content")
    </div>
    <div class="col-md-2 portlet-column portlet-column-last" id="column-4">
      $processor.processColumn("column-4", "portlet-column-content
      portlet-column-content-last")
    </div>
  </div>
</div>
```

## COLUMN ELEMENTS AND CLASSES

- ❖ Let's take a closer look at the first column of the previous example and the various elements it consists of.

```
<div class="col-md-2 portlet-column portlet-column-first" id="column-1">  
    $processor.processColumn("column-1", "portlet-column-content  
    portlet-column-content-first")  
</div>
```

- ❖ You'll notice three things that we'll work through:
  1. The id
  2. The classes
  3. the `$processor.processColumn`

# COLUMN CONTAINER

## ❖ The id: `column-1`

- Unique identifier for the column that matches ID passed to `$processor.processColumn`.

## ❖ Classes: `col-md-2`

- This class comes from Bootstrap's grid system and determines two things: the percentage-based width of the element, and the media query breakpoint for when this element expands to 100% width.
- 12 is the maximum amount, so `col-md-2` indicates 2/12 width, or 16.66%.

## ❖ Classes `portlet-column` `portlet-column-first`

- All column containers should have the `portlet-column` class.
- For rows with more than one column, the first column will have `portlet-column-first` and the last will have `portlet-column-last`.
- For rows with only one column, the column will have the `portlet-column-only` class.

## INSIDE \$PROCESSOR.PROCESSCOLUMN

- ❖ `$processor.processColumn` is necessary to render our layouts.
- ❖ The `$processor.processColumn` function takes the CSS column ID and the list of CSS classes as its two arguments.
  - ❖ `$processor.processColumn: column-1`
    - Unique identifier; should match ID of the parent div
  - ❖ `$processor.processColumn: portlet-column-content  
portlet-column-content-first`
    - Additional classes added to the content element; classes match the parent div's classes with `-content` appended

## MODIFYING TEMPLATE BREAKPOINTS

- ❖ When looking at the example template, you'll notice this Bootstrap grid class used on every column.

`col-md-{size}`

- ❖ The different sizes available are `xs`, `sm`, `md`, and `lg`.
  - ❖ The medium size is used by default, but the others can be used in layout templates as well.
  - ❖ For example, setting the column classes to `col-lg-{size}` means the columns would expand to 100% width at a larger screen width than `col-md-{size}`.
  - ❖ These classes can also be mixed to achieve more advanced layouts.

## BREAKPOINT EXAMPLE

- ❖ In this example row, on medium-sized view ports (such as a tablet), column-1 will be 33.33% width.
- ❖ column-2 will be 66.66% width.
- ❖ On small-sized view ports, both column-1 and column-2 will be 50% width.

```
<div class="portlet-layout row">
  <div class="col-md-4 col-sm-6 portlet-column portlet-column-first"
    id="column-1">
    $processor.processColumn("column-1", "portlet-column-content
      portlet-column-content-first")
  </div>
  <div class="col-md-8 col-sm-6 portlet-column portlet-column-last"
    id="column-2">
    $processor.processColumn("column-2", "portlet-column-content
      portlet-column-content-last")
  </div>
</div>
```

Notes: