

Bootstrap 3

Module 6: Migrating to Bootstrap 3

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Agenda

- **Migrating to Bootstrap 3**

- Overview of the Changes
- Migrate my Blog
 - Moving to Bootstrap 3
 - Migrating the Grid
 - Migrating the NavBar
 - Migrating the Blog Entry
 - Migrating the SideBar
 - Migrating Custom CSS

Bootstrap 3

- **Overview of Changes**
 - Mobile First Responsive Web Design
 - Responsive by Default
 - Fewer classes
 - Fluid is gone!
 - Less collision with your own CSS

Mobile First Responsive Web Design

- **Since Bootstrap 3 is Mobile First, So Should Your CSS**
 - This is especially true if you're working from a template
 - Migrating from max-width to min-width:

```
@media (min-width: 480px) {  
  .portfolio-responsive h2 {  
    display: block;  
  }  
  .portfolio-responsive a.info {  
    margin-top: 20px !important;  
  }  
}
```

Responsive By Default

- **No longer need bootstrap-responsive.min.css**
 - This is true for your own extensions or bootstrap templates
 - Expect that your site will need to deal with different page widths
 - You can disable responsiveness with some specialized CSS

Class Renaming

- **Version 3 simplifies some of the naming**
 - All fluid classes are gone
 - Some classes are 'namespaced'
 - E.g. list-unstyled vs. unstyled
 - Sizes are standardized to lg, md, sm, xs
 - Naming Changes are Well Documented

Name Changes

| Bootstrap 2.x | Bootstrap 3.0 |
|------------------|-------------------------|
| .container-fluid | .container |
| .row-fluid | .row |
| .span* | .col-md-* |
| .offset* | .col-md-offset-* |
| .brand | .navbar-brand |
| .nav-collapse | .navbar-collapse |
| .nav-toggle | .navbar-toggle |
| .btn-navbar | .navbar-btn |
| .hero-unit | .jumbotron |
| .icon-* | .glyphicon .glyphicon-* |
| .btn | .btn .btn-default |
| .btn-mini | .btn-xs |
| .btn-small | .btn-sm |
| .btn-large | .btn-lg |
| .alert-error | .alert-danger |
| .visible-phone | .visible-xs |
| .visible-tablet | .visible-sm |
| .visible-desktop | .visible-md |
| .hidden-phone | .hidden-xs |
| .hidden-tablet | .hidden-sm |
| .hidden-desktop | .hidden-md |

| Bootstrap 2.x | Bootstrap 3.0 |
|--------------------|-----------------------|
| .input-small | .input-sm |
| .input-large | .input-lg |
| .control-group | .form-group |
| .checkbox.inline | .checkbox-inline |
| .radio.inline | .radio-inline |
| .input-prepend | .input-group |
| .input-append | |
| .add-on | .input-group-addon |
| .img-polaroid | .img-thumbnail |
| ul.unstyled | .list-unstyled |
| ul.inline | .list-inline |
| .muted | .text-muted |
| .text-error | .text-danger |
| .table .error | .table .danger |
| .bar | .progress-bar |
| .bar-* | .progress-bar-* |
| .accordion | .panel-group |
| .accordion-group | .panel .panel-default |
| .accordion-heading | .panel-heading |
| .accordion-body | .panel-collapse |
| .accordion-inner | .panel-body |
| alert-error | .alert-danger |

No Equivalency

- Some of the classes in v2.x simply don't exist:
 - Form Actions (**.form-actions**)
 - Form Search (**.form-search**)
 - Controls Wrapper (**.controls**)
 - Navbar Inner (**.navbar-inner**)
 - Navbar Dividers (**.divider-vertical**)
 - Submenu (**.dropdown-submenu**)
 - Tab Alignments (**.tabs-left, .tabs-right, .tabs-center**)
 - Nav Lists (**.nav-list**)

Moving to Bootstrap 3

Demo

Migrating the Grid

Demo

Migrating the NavBar

Demo

Migrating the Blog Entries

Demo

Migrating the Sidebar

Demo

Migrating the Custom CSS

Demo

Summary

- **Migrating to Bootstrap 3**

- Version 3 is a big change, so migration isn't trivial
- Moving to Mobile-First is largest of the migration challenges
- Class renaming is simple though can be tedious
- Dealing with missing features from Bootstrap v2.x shouldn't be too difficult