

# Bootstrap



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# This Module



## Bootstrap

- Adding Bootstrap to a Project
- Skinning Bootstrap
- Using Grid System
- Creating Navigation with Bootstrap
- Bootstrap and Forms

# Bootstrap

- Open Source Framework for Building Web Apps
  - CSS/LESS
  - JavaScript Components
  - Modular and Skinnable
  - Built-in Support for 80% of common design metaphors

# Demo

Adding Bootstrap



# Demo

Using Bootswatch

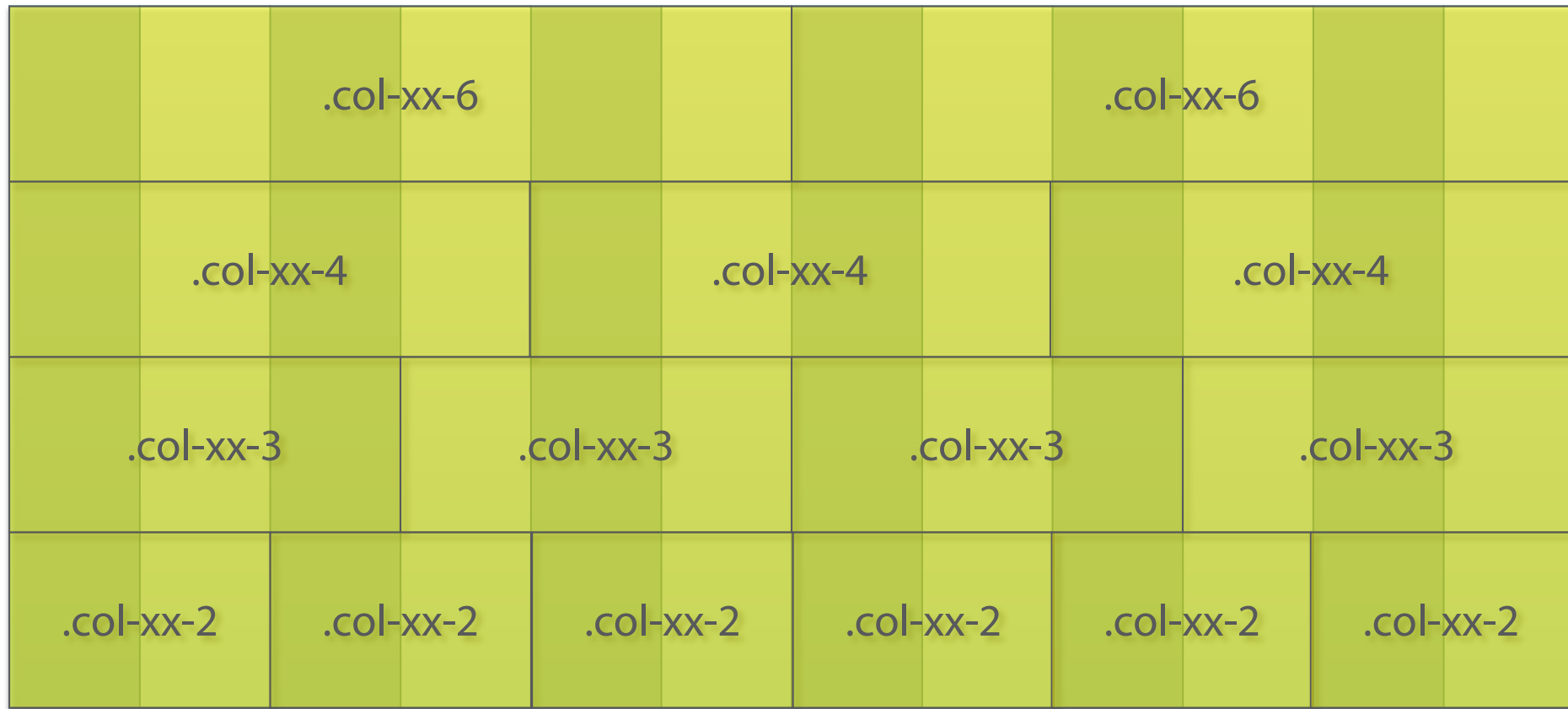


# Demo

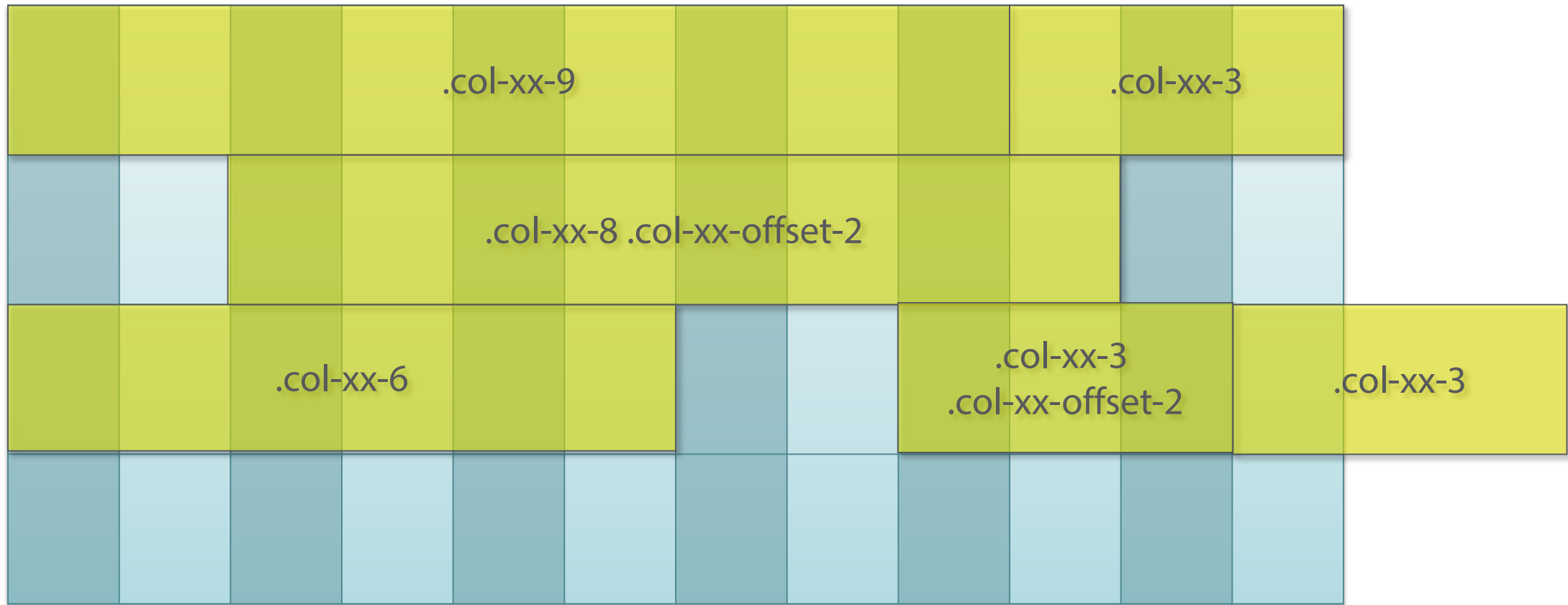
Building a NavBar



# The Bootstrap Grid System



# The Bootstrap Grid System





# Multiple Grids

- Grids have a type for screen size:
  - **.col-lg-xx**:  $\geq 1200\text{px}$
  - **.col-md-xx**:  $\geq 992\text{px}$
  - **.col-sm-xx**:  $\geq 768\text{px}$
  - **.col-xs-xx**:  $< 768\text{px}$

# Multiple Grids

	.col-md-6 .col-xs-12					.col-lg-3 .col-md-6 .col-sm-4 .col-xs-3					

# Demo

Grid System



# Demo

Bootstrap Forms



# What About Bootstrap 4?

- Just Entering “Alpha” Now
  - Unlike the 2-3 transition, it is a more modest change
  - Small API changes, but big architectural changes under the hood
  - NavBars getting important reworking
  - New Card component replaces aging Panels and Thumbnails
  - Glyphicons are gone; use Font Awesome instead!
  - Bootstrap 3 isn't going away

# Going Deeper

## Bootstrap 3

[www.pluralsight.com/courses/bootstrap-3](http://www.pluralsight.com/courses/bootstrap-3)

## Responsive Sites with Bootstrap 3

[www.pluralsight.com/courses/responsive-websites-bootstrap3](http://www.pluralsight.com/courses/responsive-websites-bootstrap3)

# What We've Learned

## Bootstrap

A comprehensive CSS and JavaScript web framework

You can create navigation panels with Bootstrap

Bootstrap can further be skinned

Using Bootstrap components create a single look/feel