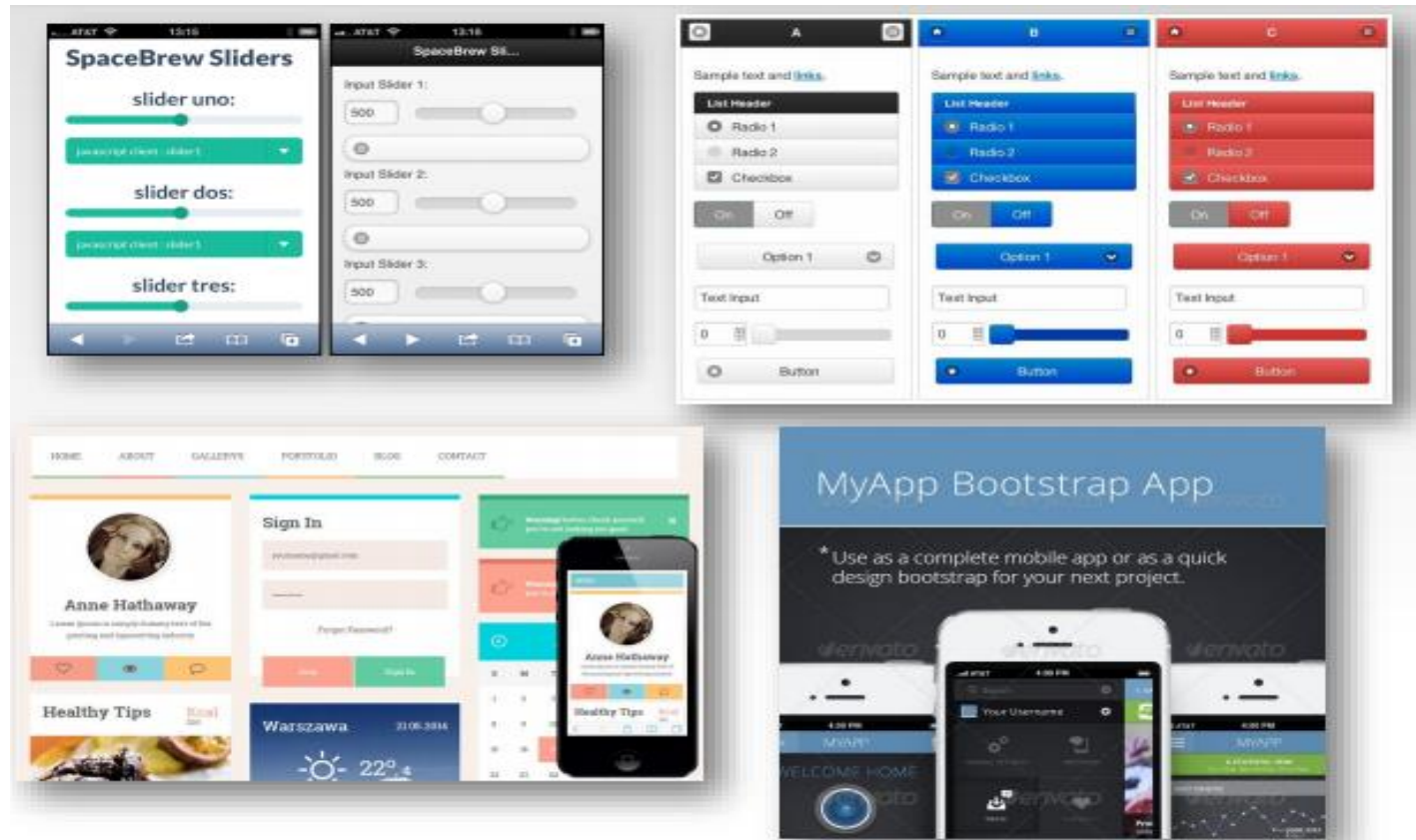


# Desarrollo Web Front-End con AngularJS

# What is Bootstrap?

- Bootstrap is an open source product from Mark Otto and Jacob Thornton who, when it was initially released, were both employees at Twitter.
- There was a need to standardize the frontend toolsets of engineers across the company.
- Since Bootstrap launched in August 2011, it has taken off in popularity.
- It has evolved from being an entirely CSS driven project to include a host of JavaScript plugins and icons.

# What is Bootstrap?



# Getting Starter

- Getting started with Bootstrap is as simple as dropping some CSS and JavaScript into the root of your site: <http://getbootstrap.com/getting-started/>
- Customize variables, components, JavaScript plugins, and more: <http://getbootstrap.com/customize/>
- The fastest way to get Bootstrap is to download the compiled and minified versions of our CSS and JavaScript, along with the included fonts. No documentation or original source files are included: <http://getbootstrap.com/getting-started/>

# Content Delivery Network

- The folks over at NetDNA have graciously provided CDN support for Bootstrap's CSS and JavaScript:

```
<!-- Latest compiled and minified CSS -->  
<link rel="stylesheet" href="//netdna.bootstrapcdn.com/bootstrap/3.0.0/css/bootstrap.min.css">
```

# Bootstrap Structure

```
Bootstrap/  
├── css/  
│   ├── bootstrap.css  
│   ├── bootstrap.min.css  
│   ├── bootstrap-theme.css  
│   └── bootstrap-theme.min.css  
├── js/  
│   ├── bootstrap.js  
│   └── bootstrap.min.js  
└── fonts/  
    ├── glyphs-halflings-regular.eot  
    ├── glyphs-halflings-regular.svg  
    ├── glyphs-halflings-regular.ttf  
    └── glyphs-halflings-regular.woff
```

- This is the most basic form of Bootstrap: compiled files for quick drop-in usage in nearly any web project.
- Please note that all JavaScript plugins require jQuery to be included.

# CSS

- Global CSS settings
- Fundamental HTML elements styled and enhanced with extensible classes
- Advanced grid system.

# HTML DOCTYPE

- Bootstrap makes use of certain HTML elements and CSS properties that require the use of the HTML5 doctype.

```
<!DOCTYPE html>  
<html lang="en">  
  ...  
</html>
```



# Mobile First

- Bootstrap 3 is mobile first.
- To ensure proper rendering and touch zooming, add the viewport meta tag:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0" >
```

- Disable zooming capabilities on mobile devices by adding user-scalable=no:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0,  
maximum-scale=1.0, user-scalable=no" >
```

# Responsive images

- Images in Bootstrap 3 can be made responsive-friendly via the addition of the `.img-responsive` class.
- This applies `maxwidth: 100%;` and `height: auto;` to the image so that it scales nicely to the parent element.

# Typography and links

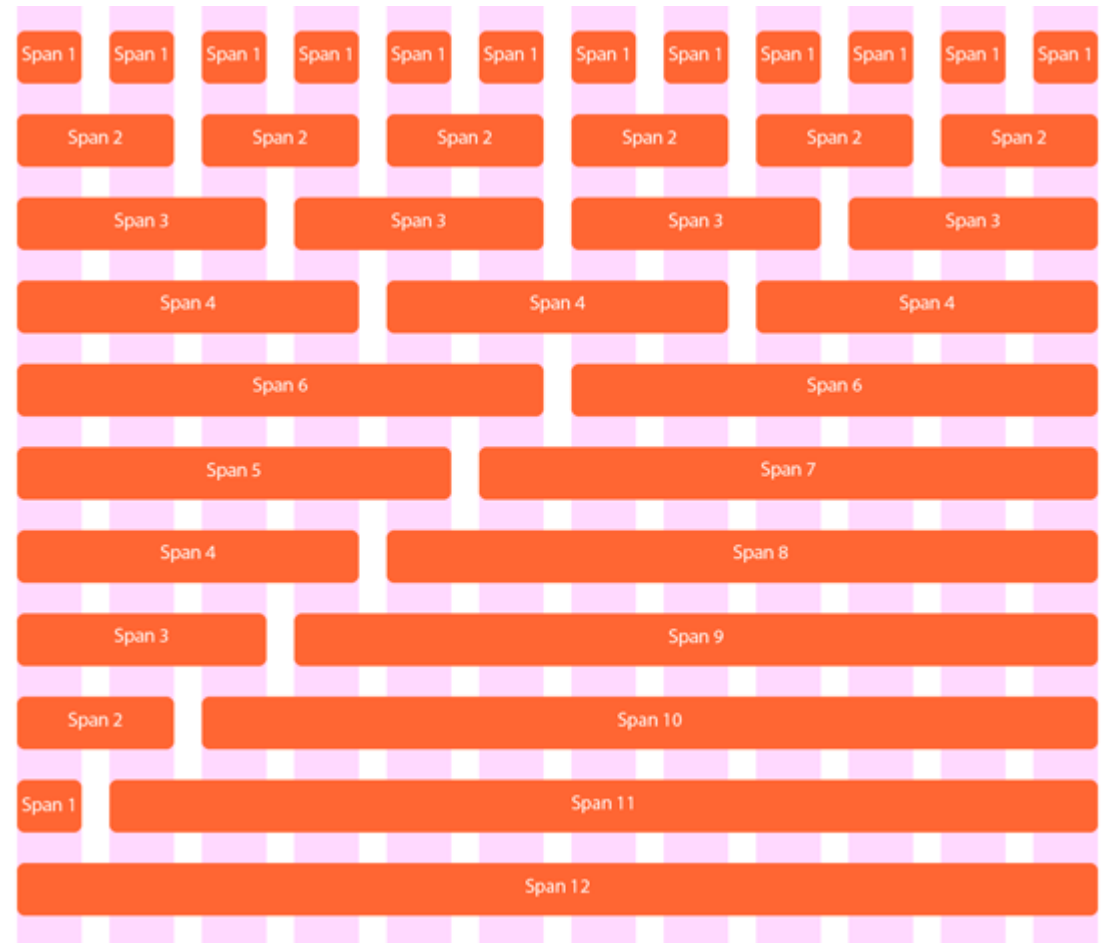
- Bootstrap sets basic global display, typography, and link styles.
- These styles can be found within **scaffolding.less**

# Normalize

- Normalize.css is a modern, HTML5-ready alternative to CSS resets.
- Normalize.css is a small CSS file that provides better cross-browser consistency in the default styling of HTML elements
- URL Project: <https://necolas.github.io/normalize.css/>

# Grid System

- Bootstrap includes a responsive, mobile first fluid grid system that appropriately scales up to 12 columns as the device or viewport size increases.
- Read more:  
<http://getbootstrap.com/css/#grid>



# Typography

- Headings
  - Body copy
  - Emphasis ( Small, strong, em )
  - Abbreviations
  - Addresses
  - Blockquotes
  - Lists
- 
- Read more: <http://getbootstrap.com/css/#type>

# Tables

- Basic tables
- Striped rows
- Bordered table
- Hover rows
- Condensed table
- Contextual classes
- Responsive tables
- Ng-table: <http://ng-table.com/>

## EXAMPLE

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

```
<table class="table table-condensed">  
  ...  
</table>
```

## EXAMPLE

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

```
<table class="table table-hover">  
  ...  
</table>
```

# Forms

- Basic form
- Inline form
- Horizontal form
- Supported controls
- Static control
- Control states
- Control sizing
- Help text
- Read more:  
<http://getbootstrap.com/css/#forms>

EXAMPLE

Email address

Password

File input

Example block-level help text here:

☐ Check me out

```
<form role="form">
  <div class="form-group">
    <label for="exampleInputEmail">Email address</label>
    <input type="email" class="form-control" id="exampleInputEmail" placeholder="Enter email">
  </div>
  <div class="form-group">
    <label for="exampleInputPassword">Password</label>
    <input type="password" class="form-control" id="exampleInputPassword" placeholder="Password">
  </div>
  <div class="form-group">
    <label for="exampleInputFile">File input</label>
    <input type="file" id="exampleInputFile">
    <p class="help-block">Example block-level help text here.</p>
  </div>
  <div class="checkbox">
    <label>
      <input type="checkbox"> Check me out
    </label>
  </div>
  <button type="submit" class="btn btn-default">Submit</button>
</form>
```



# Buttons

- Options
- Sizes
- Disabled state
- Button tags

## EXAMPLE

Default Primary Success Info Warning Danger Link

```
<!-- Standard button -->
<button type="button" class="btn btn-default">Default</button>

<!-- Provides extra visual weight and identifies the primary action in a set of
buttons -->
<button type="button" class="btn btn-primary">Primary</button>

<!-- Indicates a successful or positive action -->
<button type="button" class="btn btn-success">Success</button>

<!-- Contextual button for informational alert messages -->
<button type="button" class="btn btn-info">Info</button>

<!-- Indicates caution should be taken with this action -->
<button type="button" class="btn btn-warning">Warning</button>

<!-- Indicates a dangerous or potentially negative action -->
<button type="button" class="btn btn-danger">Danger</button>

<!-- Deemphasize a button by making it look like a link while maintaining button
behavior -->
<button type="button" class="btn btn-link">Link</button>
```

# Images

- Add classes to an `<img>` element to easily style images in any project



# Less

- CSS pre-processor, meaning that it extends the CSS language, adding features that allow:
  - variables,
  - mixins,
  - functions
- other techniques that allow you to make CSS that is more maintainable, themeable and extendable.

# Less

For example:

```
@base: #f938ab;

.box-shadow(@style, @c) when (iscolor(@c)) {
  -webkit-box-shadow: @style @c;
  box-shadow:        @style @c;
}

.box-shadow(@style, @alpha: 50%) when (isnumber(@alpha)) {
  .box-shadow(@style, rgba(0, 0, 0, @alpha));
}

.box {
  color: saturate(@base, 5%);
  border-color: lighten(@base, 30%);
  div { .box-shadow(0 0 5px, 30%) }
}
```

compiles to

```
.box {
  color: #fe33ac;
  border-color: #fdcdea;
}

.box div {
  -webkit-box-shadow: 0 0 5px rgba(0, 0, 0, 0.3);
  box-shadow: 0 0 5px rgba(0, 0, 0, 0.3);
}
```