

FoolLab

foolab.ca | @foolabca



Bootstrap: Mobile Sites in Minutes

Fluent, San Francisco - April 21, 2015

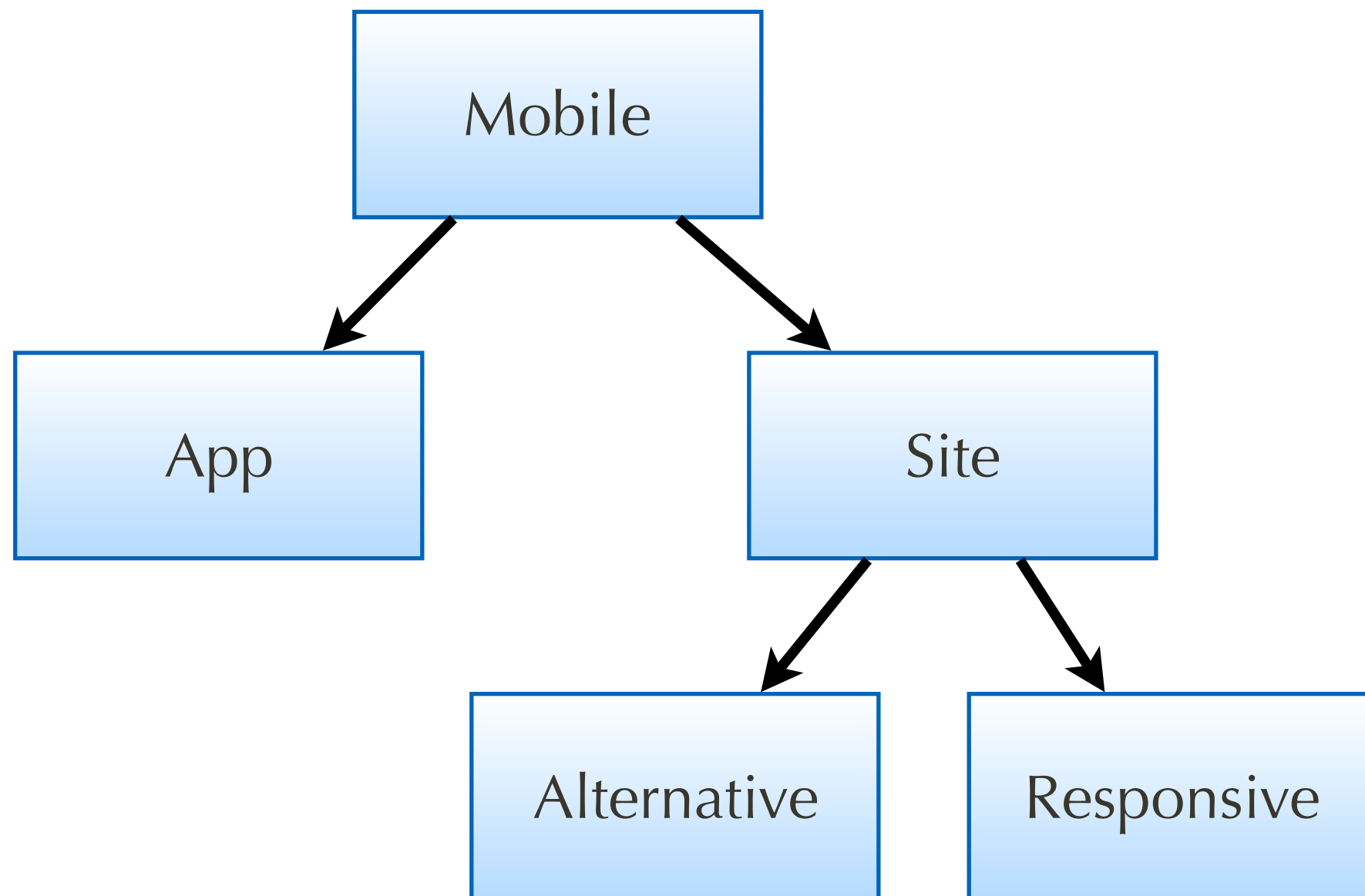
- Developer
- Problem solver
- Coach
- Advisor

Objectives

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- Choose responsive
- Create mobile sites faster
- Introduce Bootstrap
- Transform your site





- Effort for current & future platforms.
- Many variables:
 - devices,
 - browsers,
 - capabilities.
- Need to download & install.
- Useful for task-oriented apps.

- Quicker and less expensive.
- No download, no installation.
- Others link to your site.
- Point of entry for first-time users.
- Useful for content-oriented sites.

- Fully adapts to the viewport size.
- No redirects.
- Single website.
- Fastest & cheapest.

Example

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ConFoo.CA
February 16 - February 20, 2015
Montreal, Canada

ScheduleLocationContact



ConFoo - What People Say



**Rafael Dohms**
Computer Engineer, PHP Evangelist and Gamer. Enabler of the AmsterdamPHP Community. Loves code and growing communities.
[Speaker profile](#)

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Menu



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What is Bootstrap?

- Helper CSS classes (class="navbar").
- Grid layout.
- JS for more advanced features
 - Dropdown menu
 - Tabs
 - Carousel
- Works on any modern device.

- Widely used
- Rich documentation
- Many themes
- Easy to learn and use

Let's build stuff!

```
<link  
  href="css/bootstrap.min.css" rel="stylesheet">
```

```
<div class="container">  
  <div class="row">  
    <div class="col-sm-6">...</div>  
    <div class="col-sm-6">...</div>  
  </div>  
  
</div>  
  
<!-- sm = 768px -->
```

Output comparison

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Small+:

Example 1

adgdvsdv

[View](#)

Example 2

adgdvsdv

[View](#)

Extra
small:

Example 1

adgdvsdv

[View](#)

Example 2

adgdvsdv

[View](#)

```
<link href="css/layout.css" rel="stylesheet">
```

```
...
```

```
<div class="col-sm-6">  
  <div class="example">
```

```
    ...
```

```
  </div>  
</div>
```

```
@media (max-width: 767px) {  
  div.example {  
    border-bottom: 1px solid #ccc;  
    padding: 0 0 10px 0;  
  }  
}  
  
@media (min-width: 768px) {  
  div.example {  
    border: 1px solid #ccc;  
    padding: 10px;  
  }  
}
```

- xs

- 767-
- Phones

- sm

- 768+
- Tablets

- md

- 992+
- Desktops

- lg

- 1200+
- Large desktops

Building a
complete site

Small+:

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Extra
small:

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6

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col-sm-6

6

col-sm-6

Header - extra small

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8

4

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Menu

col-xs-8

col-xs-4

```
<div class="col-xs-8 col-sm-6">
    ...
</div>

<div class="col-xs-4 col-sm-6">
    <nav class="navbar">
        ...
    </nav>
</div>
```

```
<!-- inside nav tag -->
```

```
<div class="navbar-header">  
  <button class="navbar-toggle"  
    data-toggle="collapse"  
    data-target=".navbar-collapse">Menu</button>  
</div>
```

```
<div class="collapse navbar-collapse">  
  <ul class="nav navbar-nav">...</ul>  
</div>
```

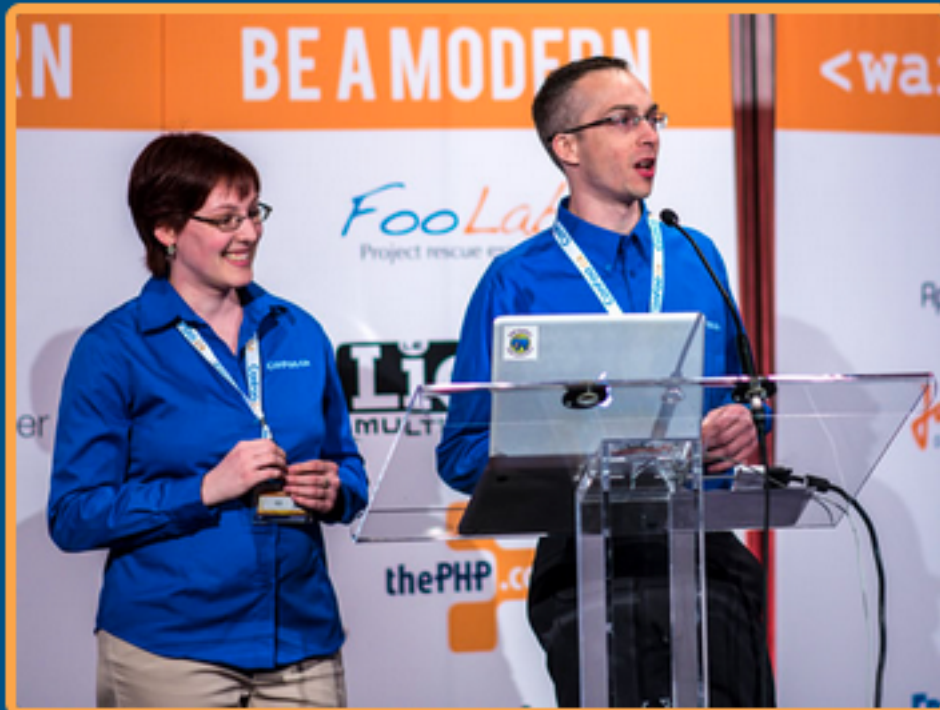
Spotlight

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Small+:



Extra
small:



```
<div class="col-sm-4 hidden-xs">...</div>
```

```
<div class="col-sm-4">  
    
</div>
```

```
<div class="col-sm-4 hidden-xs">...</div>
```

Responsive video →



Left-aligned image →



Rafael Dohms

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Button with icon →

 [Speaker profile](#)



Dave Stokes

MySQL Community Manager

 [Speaker profile](#)



Anna Filina

Web developer, conference organizer

 [Speaker profile](#)

```
<div class="embed-responsive embed-responsive-16by9">  
  <iframe class="embed-responsive-item" src="...">  
  </iframe>  
</div>
```

```
<div class="media">  
    
  <div class="media-body">...</div>  
</div>
```

```
<span class="glyphicon glyphicon-user"></span>
```

Color, background, size, shadow, etc.



Final result

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Speaker profile

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Advanced example

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Wednesday (2015-02-18)

	Hampstead	Mont-Royal	Fontaine C	Fontaine D	Fontaine E	Fontaine F	Fontaine G	Fontaine H	St-Pierre
7:30 9:00	Registration and continental breakfast								
9:00 9:45	Opening keynote								
10:00 10:45	When Dynamic Becomes Static: The Next Step in Web Caching <i>Wim Godden</i>	Modular JavaScript Heaven with AMD and Events <i>Eduardo Shiota Yasuda</i>	Getting Things Done: Tips From Someone with OCD & ADHD <i>Jason Lotito</i>	Prototyping: Beyond the Wireframe <i>Julia Ouellette</i>	DevOps and Agile Infrastructure <i>Will Stevens</i>	Identity in the Future of Embeddables & Wearables <i>Jonathan LeBlanc</i>	Creating and Distributing Rails Engines <i>Volmer Soares</i>	JMS.Next(): JMS 2 and Beyond <i>Reza Rahman</i>	Django et PostgreSQL sous la charge <i>Rodolphe Quiédeville</i>
									  
11:00 11:45	A Rebasing Workflow for Git <i>Emma Jane Hogbin Westby</i>	Becoming an Admiral of the Armada: Docker, CoreOS & Fleet <i>Martin Naumann</i>	PHP: Under The Hood <i>Davey Shafik</i>	Responsive Typography <i>Clarissa Peterson</i>	Introduction à l'intégration continue avec Jenkins <i>Eric Hogue</i>	Make Your SPA a Maximum Security Prison <i>Martin Gontovnikas</i>	How Companies Use NoSQL Document Databases <i>Don Pinto</i>	Native Cross-Platform Mobile Development with Xamarin <i>Guy Barrette</i>	Simple API's with bottle.py <i>Andrew Lombardi</i>
					 	 		 	
11:45 13:00	Lunch								

Advanced example

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7:30	
Registration and continental breakfast	
9:00	
Opening keynote	
10:00	
When Dynamic Becomes Static: The Next Step in Web Caching <i>Wim Godden</i> Hampstead 	Modular JavaScript Heaven with AMD and Events <i>Eduardo Shiot Yasuda</i> Mont-Royal 
Getting Things Done: Tips From Someone with OCD & ADHD <i>Jason Lotito</i> Fontaine C	Prototyping: Beyond the Wireframe <i>Julia Ouellette</i> Fontaine D  
DevOps and Agile Infrastructure <i>Will Stevens</i>	Identity in the Future of Embeddables & Wearables <i>Jonathan LeBlanc</i>

- Carousel.
- Popups.
- Progress bars.
- Pagination.
- Button dropdown.
- ...

- Don't make user scroll too much (shortcuts).
- Make descriptive button labels.
- Keep transitions to minimum.
- Cordova / PhoneGap to convert to native.

- Development: PHP, JS, etc.
- Fix problems: bugs, performance, etc.
- Workshops: testing, Symfony, AngularJS, APIs, etc.
- Advisor: testing strategy, legacy code, speed up development, etc.

- What is supported?
<http://getbootstrap.com/getting-started/#support>
- Responsive image replacement:
<https://github.com/scottjehl/picturefill>

SORRY, I COULDN'T RESIST



@afilina



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