

Bootstrap 3

Module 1: Why Bootstrap 3?

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pluralsight 
hardcore developer training

Agenda

- **Why Bootstrap**
 - Developers and Designers
 - What is Bootstrap
 - The Mobile Web
 - Bootstrapping of the Web

Developers and Designers

- **Not every project has a designer**
 - This means well-meaning developers often do their best to create websites
 - It doesn't always go well...

Sins of the Internet

Firefox | CAR LEASING CHEAP LEASE CARS SA... | elbil, elsykkel, kamera, oversetter, tra... | New Tab

www.lingscars.com

Notes: I live inside this website Monday to Friday 9am-5pm, to give you the very best service and make your experience a happy one! - I am Ling, except no substitutes

CAR LEASING

Want a cheap new lease car? Start HERE!

↓

My cheapest leasing deals!

Click to chat is closed

ABARTH CAR LEASING

500
500 Convertible
595
595 Convertible
Punko Evo

LINGSCARS.COM

UK CONTRACT HIRE CARS FROM LING VALENTINE

Version 237.1. You can trust me! ... In 2012 I've rent over £30 million of cars (at RRP)

CAR LEASING - CONTRACT HIRE - CHEAP LEASE CARS

Home | Cars and Vans | How It Works | Price Lists | About Ling | Customers | Fun Stuff | Quote/Order

Business Customer Pricing | Personal Customer Pricing

NEW SEXY christmas pull rep HERE

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EU cookie law. Piss off Von Rumpy. Me... I hammer visitors to death with cookies, so I can find out what they want. Cookies allow my website to serve visitors the content they need. Get used to it. The EU cookie law is an azz. - Ling

Privacy and Electronic Communications (EC Directive) Regulations 2011 BLAH

cookie: regional_ethnicity=ROONEY;
cookie:disponet_age=50;
cookie:favourite_bisniff=boobies;

@LINGSCARS Follow Me

LING'S LIVE TWITTER FEED

fatlester: Weird British Car Rental Website <http://bit.ly/qjGyHnk>
<http://t.co/RQexjUJD>

erikitty: Umm... this is probably the greatest website EVER!!!
<http://t.co/80yJGSjp72>

jerodmetsalf: RT @mb... you guys <http://t.co/dkVGMTq7e>

LIVE CHAT CAM

OFFICE CAM

CHICKEN CAM

You can't find a car? → Apply for a CAR QUOTE

AS SEEN ON TV

DRAGONS DEN

Richard Farleigh - "I wanted to invest; I was amazed by Ling's complete lack of nerves, and also by her business acumen."

Duncan Bannatyne - "I wanted to invest... but ye turn'd me doon!"

Deborah Meaden - "Harrumph! I'm out!"

UK WARNING: Customers reporting many other internet prices are hiding true lease costs! BEWARE DODGY COMPANIES SELLING HIGH INITIAL RENTAL "6+" LEASES

VIZ Ling is OFFICIAL VIZ ethnic business ambassador!

PLAY STUPID CRASH GAME!

CHEAP INSURANCE

Google Spider Food

Redemption

- **Learning from the community can help**
 - Most websites are made of the same basic parts
 - Navigation
 - Layout
 - Etc.



Reach a new audience.

Expand your user base by bringing your app to the Windows Store.

[See how](#)



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Developer resources:

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[Library](#)

[Get Visual Studio](#)

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[Developer centers](#)

[Code samples](#)

Ones to watch

[View more](#)

Buzz



Microsoft Developer
@msdev

1h

Perspectives

[Download Windows 8.1 RTM Visual Studio 2013 RC and Windows Server 2012 R2 RTM](#)

What is Bootstrap

- **Open Source Framework for Building Web Sites**
 - A bit of CSS
 - A bit of JavaScript
 - Modular
 - Covers the 80% of the Metaphors

GetBootstrap.com

Demo

The Mobile Web

- **Devices and PCs are equally important now**
 - Your website is just as likely to be viewed on a tablet or phone as on a PC
 - This used to mean building a 'mobile' version
 - No longer viable...
 - ...Your site needs to respond to the device it's viewed on

Responsive Web Design

- **What is it?**
 - Adapting Site to Mobile Devices
 - Approach usually has been to gracefully degrade
 - For Example...

Iron Man

Iron Man

Search

Clear

Found: 15

Iron Man (2008)



redbox instant
by verizon

epix

iTunes

amazon

Iron Man: Ris...

Iron Man: Ris...

David Knight ...

Marvel Actio...

The Invincibl...

Iron M

Found: 15

Iron Man (2008)



redbox instant
by verizon

epix

iTunes

amazon

xbox video

Iron Man: Anime S



ear

ervices

Series...



S

fTech...



Responsive Web Design

Main CSS (Common Design)

960+ (Standard Browsers)

0-959 (Tablet Landscape)

0-767 (Mobile Sizes)

0-479 (Mobile Portrait)

480-767 (Mobile Landscape)

768-959 (Tablet Portrait and up)

Responsive Design

■ Media Queries

- Works because of cascading rules
- Later rules over-rule (pun!) earlier rules
- More specific rules overrule earlier rules

```
// your.css
#main { width: 989px; }

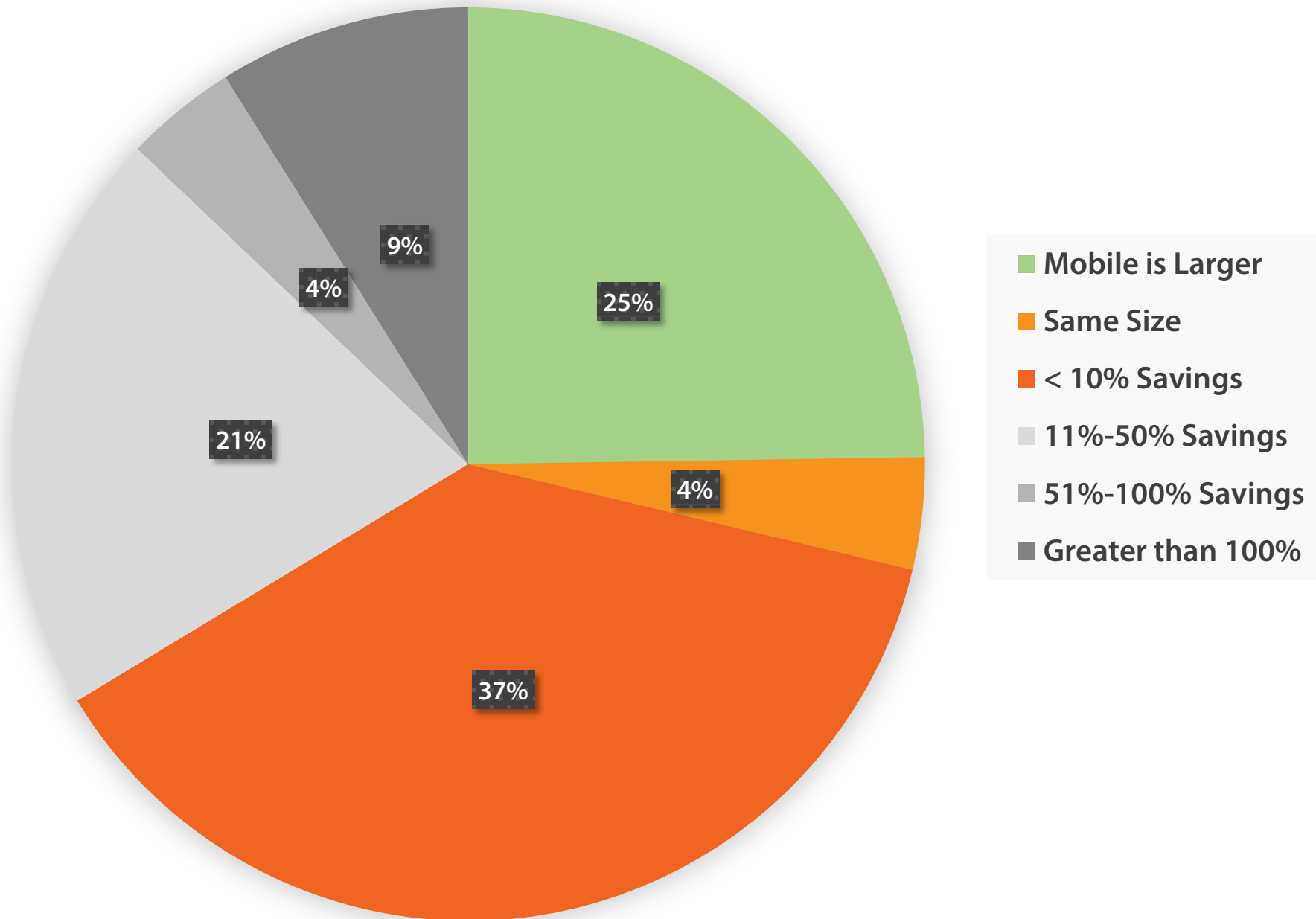
@media only screen and (min-width: 768px) and (max-width: 959px) {
  #main { width: 760px; }
}

@media only screen and (max-width: 767px) {
  #main { width: 470px; }
}
```

Responsive Web Design

- **Problems...**
 - Subtractive solution means too many resources
 - All JS code is running
 - On Platform that is least suited to handle it
 - Images are loaded but hidden

Comparison of Mobile and Desktop Views

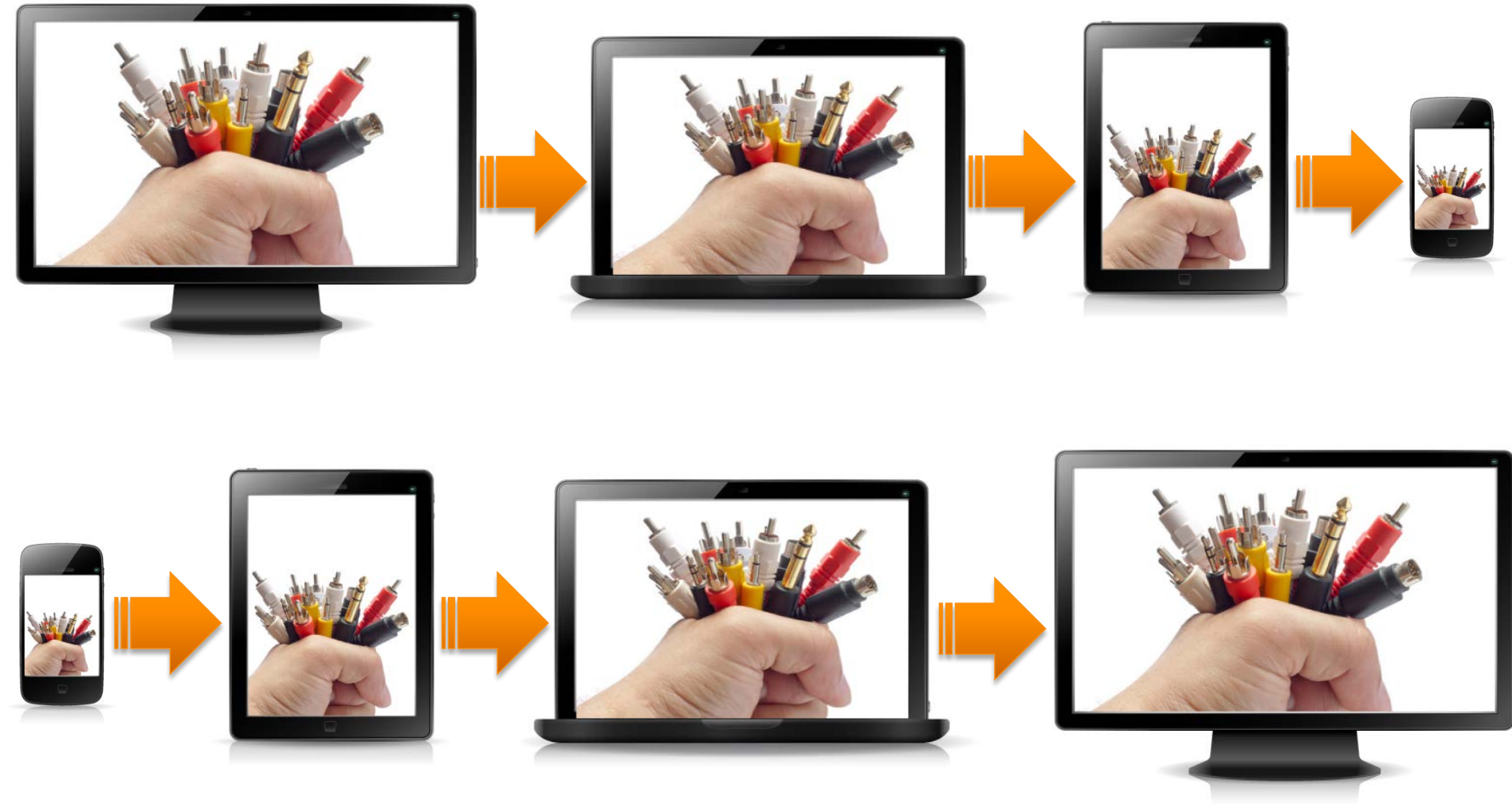


Mobile First Responsive Design

- **Philosophy created by Luke Wroblewski***
 - Focuses on Progressive Enhancement
 - Where RWD is typically Graceful Degradation
 - Scales Up...not down

* <http://www.lukew.com>

Progressive Enhancement



Mobile First Responsive Web Design

Main CSS (Common Design) (0-480)

> 480px

> 768px

> 992px

> 1200px

Bootstrap 3 and Mobile First Responsive Design

- **Bootstrap < 3**

- Supported optional Responsive Web Design
- Great help to a many sites
- But wasn't mobile first

- **Bootstrap 3**

- Major changes from prior versions
- Change to support Mobile First but...
 - ...breaks existing clients

The Bootstrapping of the Web

- **Bootstrap is very popular...**
 - But it also means that it is easy to look like a cookie cutter
 - Use Bootstrap as the basis but not the look of your site
 - Once you use bootstrap you'll start to see it everywhere
 - Avoid the temptation...

The Good and Bad of Bootstrapping the Web

Demo

Summary

- **Why Bootstrap 3**
 - Websites often require common metaphors
 - Using a framework to implement these metaphors is a good decision
 - Bootstrap 3 is a great framework for building these metaphors
 - But if you don't customize the CSS from Bootstrap, we might laugh at you