

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

Note: 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!

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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_english=ROONEY;

cookie:disponet_age=50;

cookie:favourite_bisniff=boobies;

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'ed 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

hoclaptinhweb.com

Google Spider Food

Redemption

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



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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

IRONMAN



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; }

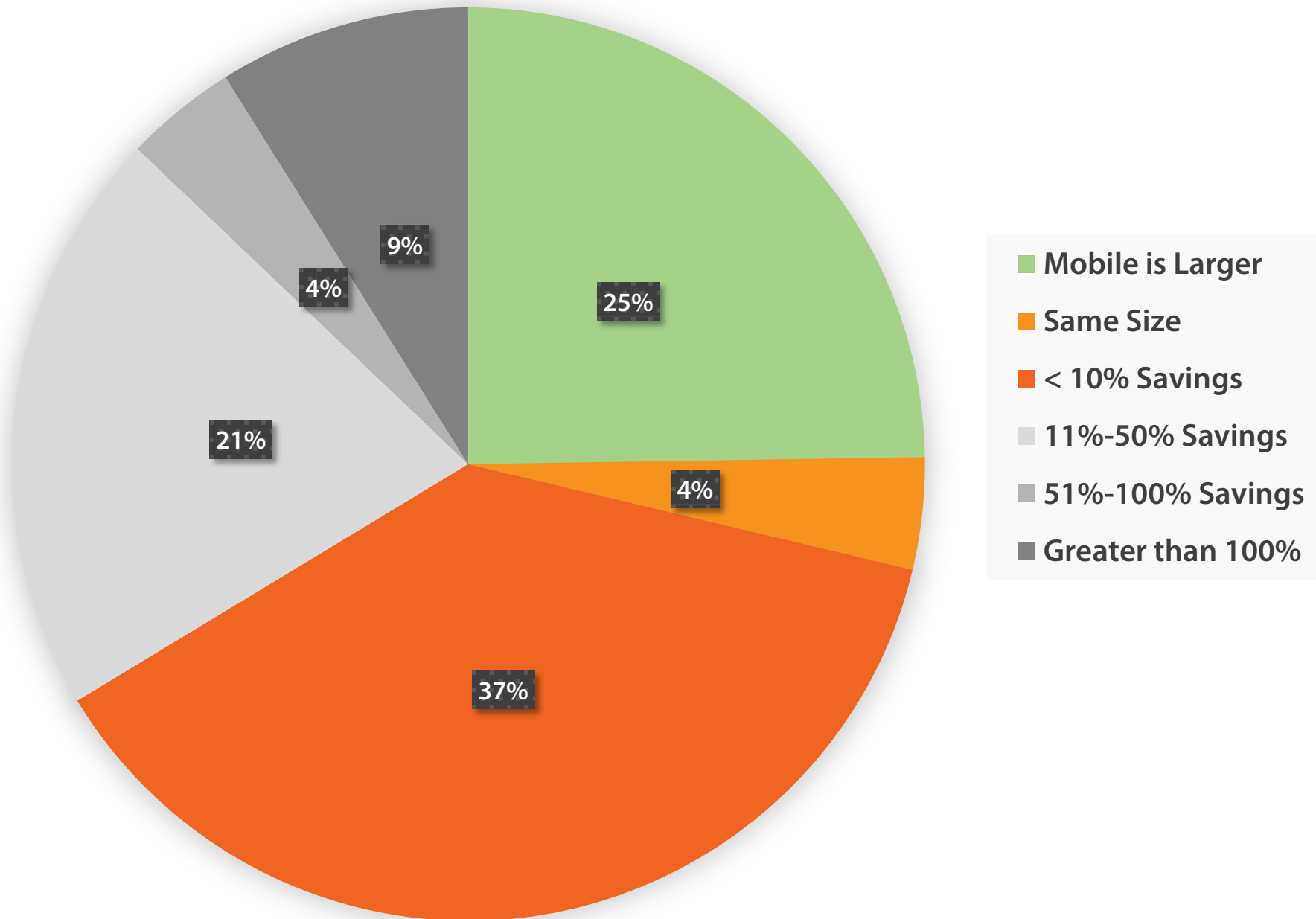
@media only screen and (min-width: 768px) and (max-width: 959px) {
    #main { width: 760px; }
}

@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

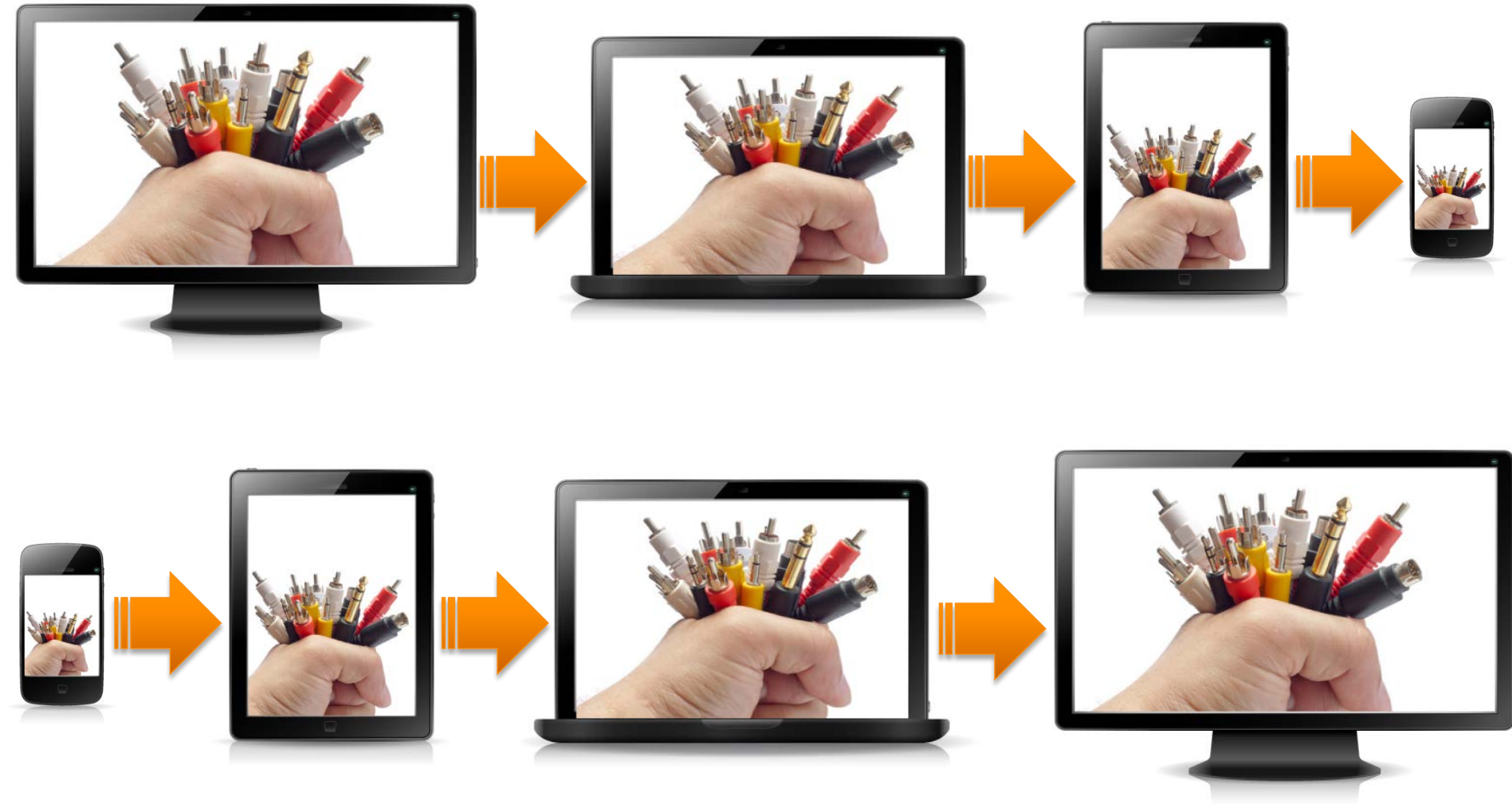


Mobile First Responsive Design

- **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