

# SharePoint Goes Mobile

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susQtech

# The Agenda

- The mobile web
  - Why you shouldn't ignore your mobile users
- Mobile strategies in SharePoint
- Mobile design in action

# The Mobile Web

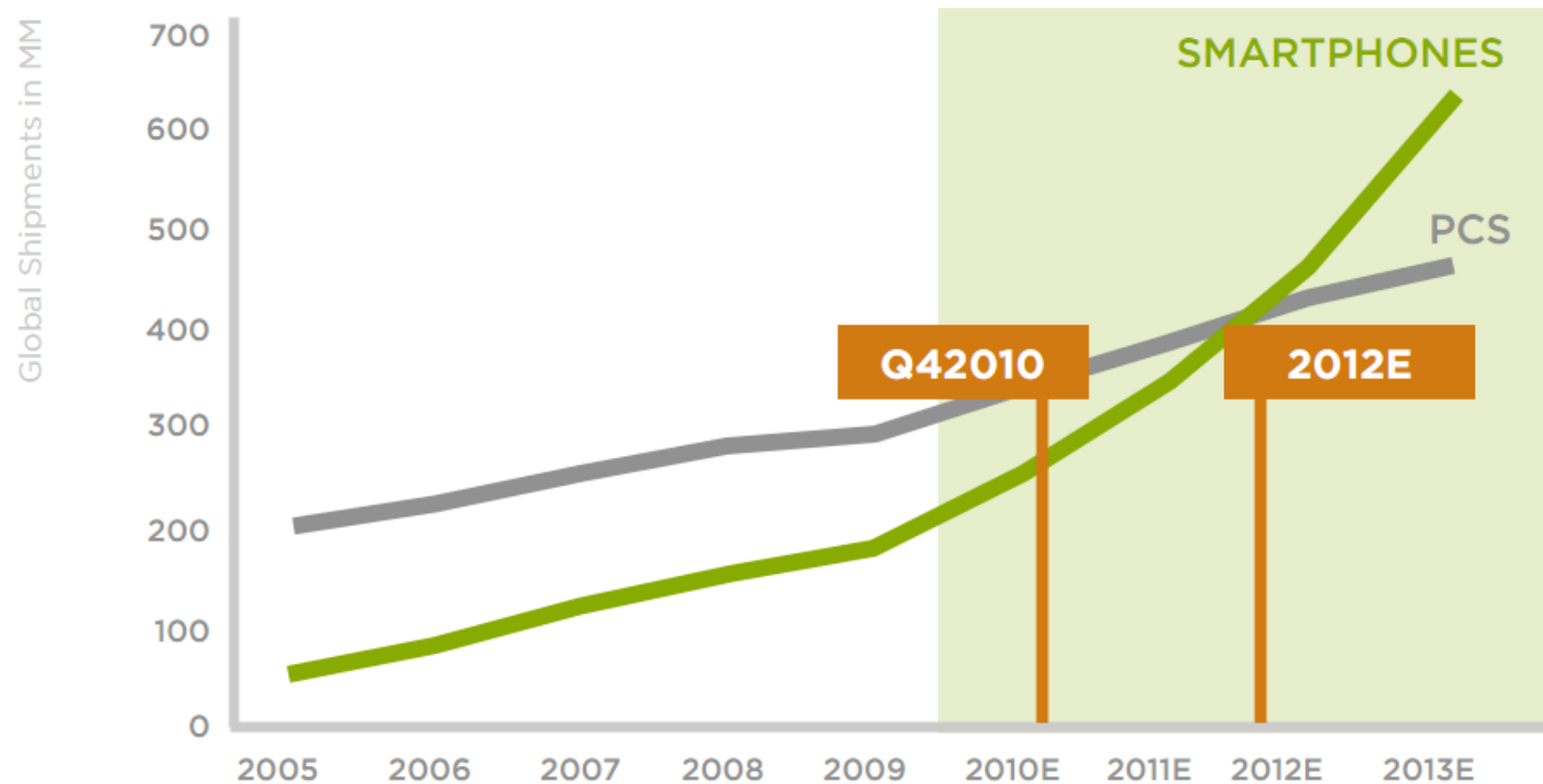
Stop ignoring it.

“Mobile phones will overtake PCs as the most common Web access devices worldwide by 2013.”

~ [lukew.com](http://lukew.com)

# Why you can't ignore mobile:

Smartphones **passed** PC shipments in Q42010



# Why you can't ignore mobile:

-20% Home usage of PC  
since 2008



Why? Smartphones & tablets

the BIG question:

What about SharePoint?

# What about SharePoint?

- What does YOUR SharePoint site look like on the tiniest of screens?
- Can SHAREPOINT go mobile?



# The OOTB Experience

- “/m” or “?mobile=1”


- User agent detection
- Type it into the address bar

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# OOTB mobile **is**...

- Fast & efficient
  - Much cleaner HTML and CSS vs. normal SharePoint view
- Easy
  - No configuration necessary
  - Mobile device detection
- Great for collaboration (intranets/extranets)

# OOTB mobile **is not**...

- Not configurable
  - No master page, HTML, or CSS customizations
  - No customization of what content appears in mobile view
- Not ideal for publishing
  - Pages, web parts, and many publishing features are not available in the mobile view

# That sucks!

## Disable OOTB mobile site:

**compat.browser**

```
C:\inetpub\wwwroot\wss\VirtualDirectories\ »  
    yoursite.com80\App_Browsers\comp\
```

```
<browser id="iPhoneSafari">  
  <capability name="isMobileDevice" value="false" />  
  ...  
</browser>
```



What now?

# SharePoint Mobile Strategies

# Mobile Strategies for Success

1. the “Do-Nothing” strategy
2. the “Mobile App” strategy
3. the “Wrapper” strategy

# The “Do-Nothing” Strategy



- Standards-compliance is very important
- Accessible HTML & CSS, RSS feeds
- Remember:
  - Hover & click behavior
  - Flash & Silverlight
  - Progressive enhancement (sans-Javascript)
  - Page weight

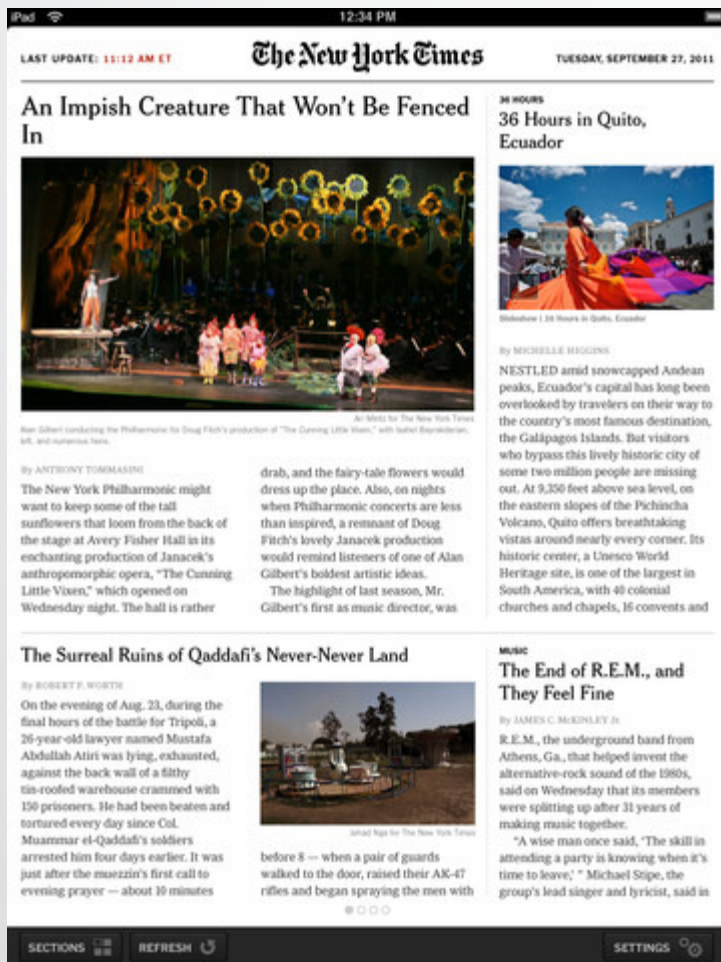
# The “Do-Nothing” Strategy

Ease: 

Experience: 



# The “Mobile App” Strategy



- Mobile content vs. desktop content
- Mobile applications may take advantage of unique features
  - Location (GPS)
  - Camera/video
  - In-app purchasing

# The “Mobile App” Strategy

Ease:

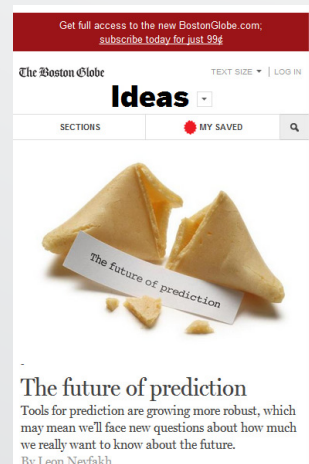
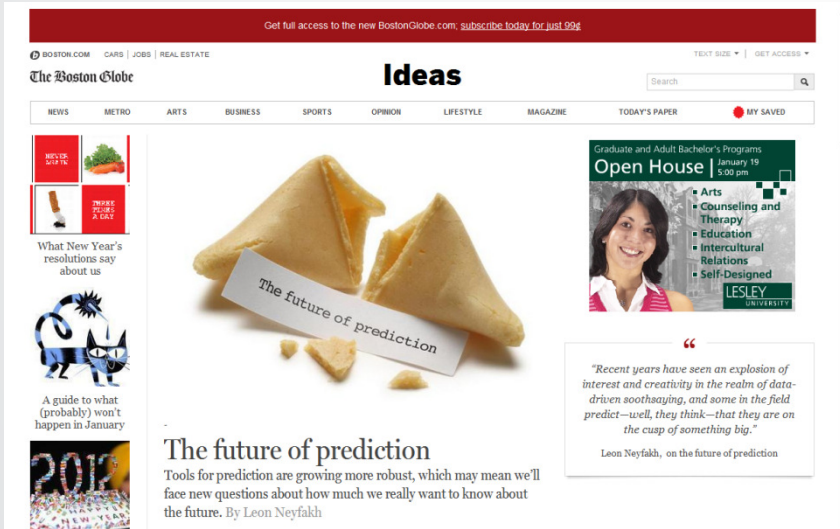


Experience:



# The “Wrapper” Strategy

- Desktop content in a mobile “skin”
- “Responsive” web design
- Dual publishing
  - Desktop and mobile content are the same

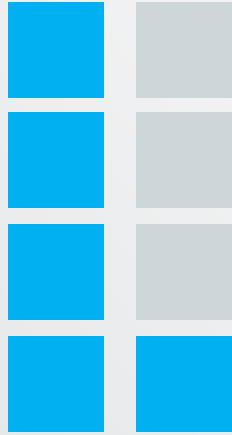


# The “Wrapper” Strategy

Ease: A progress bar for 'Ease' consisting of four squares. The first two are solid blue, the third is split vertically (blue on the left, light gray on the right), and the fourth is solid light gray.

Experience: A progress bar for 'Experience' consisting of four squares. The first three are solid blue, and the fourth is solid light gray.

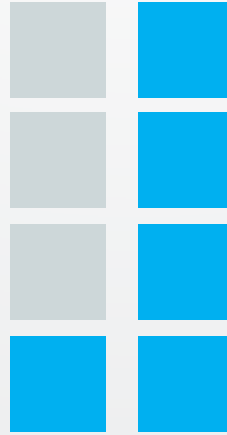
## “Do-Nothing”



Ease:

Experience:

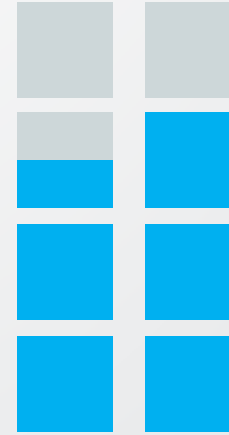
## “Mobile App”



Ease:

Experience:

## “Wrapper”



Ease:

Experience:

From strategy to reality.

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Mobile design in **action**.

# From strategy to reality.

- Disable OOTB mobile
- Detect & redirect mobile devices with Visual Studio (mobile app only)
- Customize the interface
  - Master pages, page layouts, list views, etc.
- Reduce page weight
  - Mobile device detection
  - Simplify HTML
  - Minify CSS & JavaScript
  - Eliminate images & extraneous network requests
  - No ribbon!

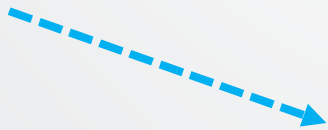
Content.



Browser testing.

# From strategy to reality.

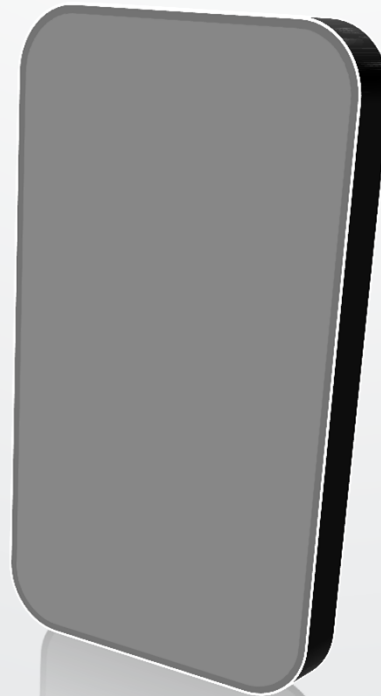
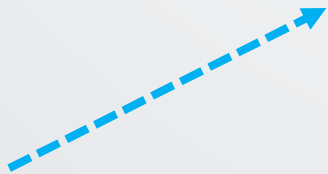
1.



2.

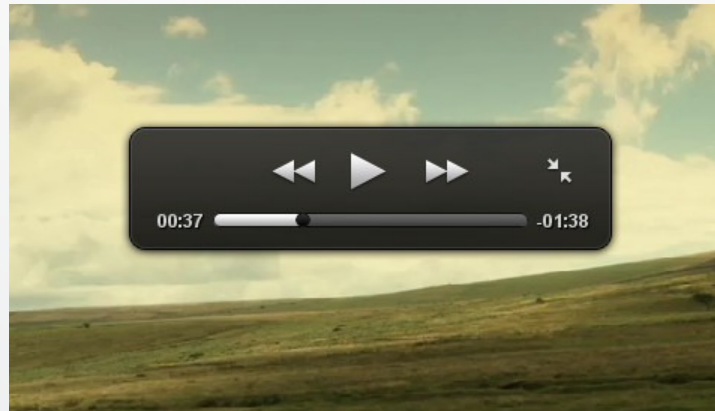


3.

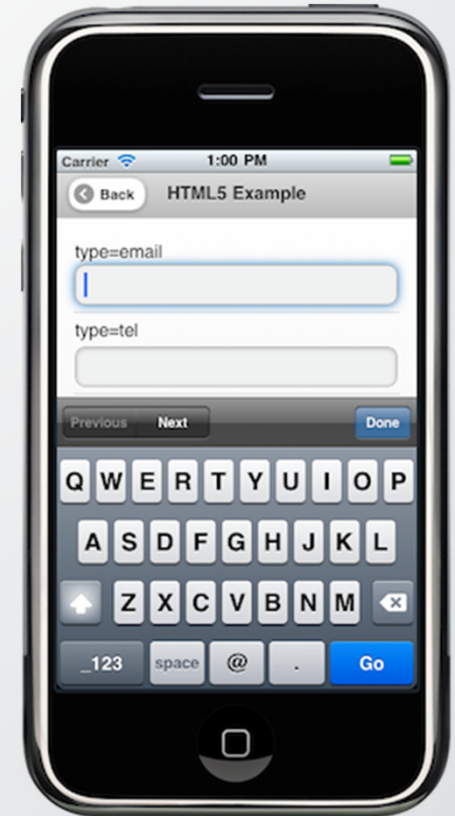


# Mobile browser support.

- HTML5



- CSS3



# CSS3 media queries.

```
#wrapper {  
    width: 960px;  
    margin: auto;  
}
```

# CSS<sub>3</sub> media queries.

```
@media screen and (max-width: 960px) {  
    #wrapper {  
        width: 320px;  
    }  
}
```

# CSS3 media queries in SharePoint.

Site Actions ▾

MEDAZIO\kyle ▾



## The “v5” Master Page

The HTML5 master page for SharePoint 2010



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[The Pub](#)

[Wiki](#)

### Blog

#### Medazio

[Web Parts](#)

[Splash Page](#)

### OOTB

#### Press Releases

#### Team Site

#### The Pub

[Body Only](#)

[Image on Left](#)

[Image on Right](#)

[Summary Links](#)

[Project Page](#)

[Wiki Page](#)

[Blank Web Part Page](#)

[Splash](#)

[Redirect Page](#)

### Wiki

## Home



#### [Enable anonymous access](#)

Anonymous access allows users to view the pages on this site without logging in. This is useful when creating internet facing sites or sites where you want everyone to have access to read the content without editing.

#### [Manage navigation](#)

Change the navigation links in this site.

#### [Go to master page gallery](#)

Change the page layouts and master page of this site collection.

#### [Manage site content and structure](#)

Reorganize content and structure in this site collection.

#### [Set up multilingual support](#)

Use the variations feature to manage multi-lingual sites and pages.

#### [Add users to the Approvers and Members groups](#)

Users in the Approvers group can publish pages, images, and documents in this site. Users in the Members group can create and edit pages, and they can upload images and documents, but they cannot publish the pages, images, or documents. Workflow is enabled

# Find out **more...**

- Designing for mobile, target touch sizes, and “mobile first”

[lukew.com](http://lukew.com)

- Learn HTML<sub>5</sub> & CSS<sub>3</sub>

[diveintohtml5.org](http://diveintohtml5.org)

[abookapart.com](http://abookapart.com)

# Find out **more...**

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- SharePoint Styling and Branding WEEK:  
[susqtech.com/training](http://susqtech.com/training)



# Thank you.

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