SharePoint Goes Mobile

presented by @kyleschaeffer



The Agenda

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

Mobile design in action

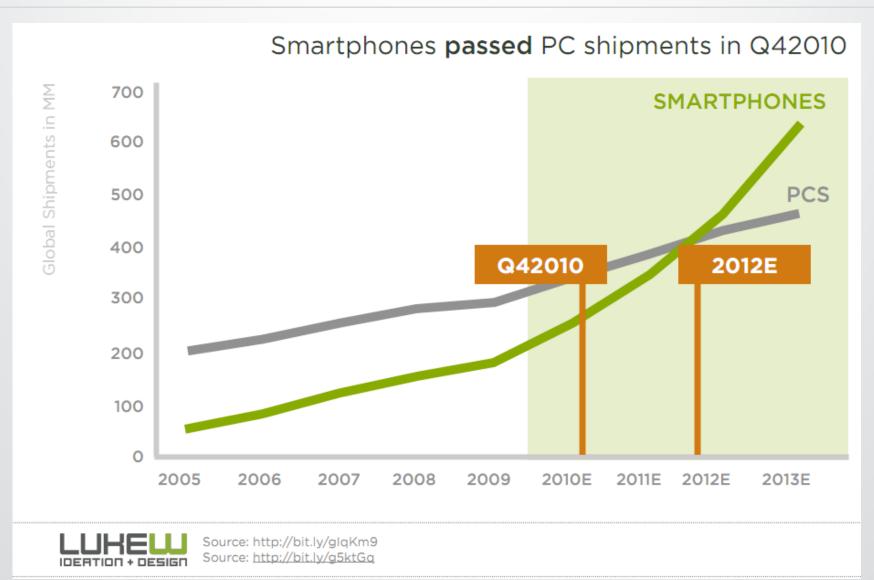
The Mobile Web

Stop ignoring it.

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

~ lukew.com

Why you can't ignore mobile:



Why you can't ignore mobile:



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

About Us

- "/m" or "?mobile=1"
 - User agent detection
 - Type it into the address bar



Lists

Workflow Tasks

ument Libraries

cuments

Laages

Pages

Picture Libraries

Sites and Workspaces

- Careers
- Events
- Management Team
- Mews

Home(About Us)

Search

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\

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

What now?

SharePoint Mobile Strategies

Mobile Strategies for Success

- I. 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



An Impish Creature That Won't Be Fenced In



Ail Metz to The New York Tens lian Silbert conducting the Philhamoranic to Doug Filch's production of "The Durning Little Vison," with leafed depositionies,

By ANTHONY TOMBLASING

The New York Philharmonic might want to keep some of the tall sunflower shall been from the back of the stage at Avery Fisher Hall in its enchanting production of Janacek's anthropomorphic opera, "The Cunning Little Vixen," which opened on Wednesday night. The hall is rather

drab, and the fairy-tale flowers would dress up the place. Also, on nights when Philharmonic concerts are less than inspired, a remnant of Doug Fitch's lovely Janace's production would remain listeners of one of Alan Gilbert's boldest artistic ideas.

The highlight of last season, Mr. Gilbert's first as music director, was 36 Hours in Quito, Ecuador



NESTLED amid snowcapped Andean peaks, Ecuador's capital has long been overlooked by travelers on their way to the country's most famous destination, the Gallapago Islands. But visitors who bypass this lively historic city of some two million people are missing out. At 9,356 feet above sea level, on the eastern slopes of the Pichincha Volcano, Quito offers breathaking vistas around nearly every corner. Its historic center, a Unesco World Herifage site, is one of the largest in South America, with 40 colonial churches and charsels. Is convents and

The Surreal Ruins of Qaddafi's Never-Never Land

By BOBERT F. WORTH

On the evening of Aug. 23, during the final hours of the battle for Tripoli, a 25 year-old lawyer named Mustafa Abdullah Atiri was lying, exhausted, against the back wall of a filthy tian-roofed warehouse crammed with 150 prisoners. He had been beaten and tortured every day since Col. Musmmar el-Qaddaff's solders arrested him four days earlier. It was just after the muezzin's first call to evening prayer — about 10 minutes



Johand Rigor for The Store York Ton

before 8 — when a pair of guards walked to the door, raised their AK-47 rifles and began spraying the men with

The End of R.E.M., and They Feel Fine

By JAMES C. McKINLEY Jo

R.E.M., the underground band from Athens, Ga., that helped invent the alternative-rock sound of the 1980s, said on Wednesday that its members were splitting up after 31 years of making music topether.

"A wise man once said, 'The skill in attending a party is knowing when it's time to leave,' "Michael Stipe, the group's lead singer and lyricist, said in

- 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



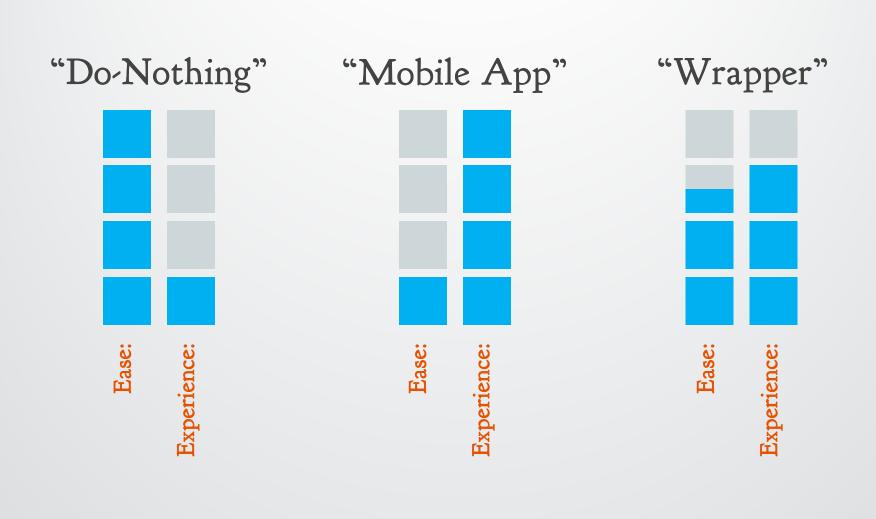


- Dual publishing
 - Desktop and mobile content are the same

The "Wrapper" Strategy

Ease:

Experience:



From strategy to reality.

Mobile design in action.

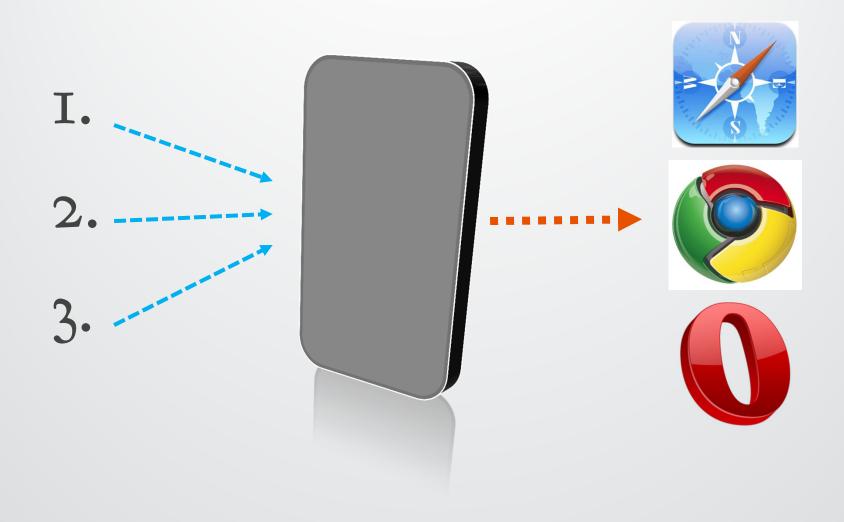
From strategy to reality.

- 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.



Mobile browser support.

■ HTML5



CSS₃





CSS3 media queries.

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

CSS3 media queries.

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

CSS3 media queries in SharePoint.

Site Actions ▼

MEDAZIO\kyle ▼



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Search this site..

0

RIO

Medazio

OOTE

Team Site

The Pub

Wiki

Blog Medazio

Web Parts Splash Page

ООТВ

Press Releases

Team Site

The Pub

Body Only Image on Left

image on Leit

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

■ Learn HTML5 & CSS3

diveintohtml5.org abookapart.com

Find out more...

SharePoint Styling and Branding WEEK:

susqtech.com/training



Thank you.

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