



Thursday, March 14, 2013  
an Infopeople webinar  
presented by  
Chad Mairn

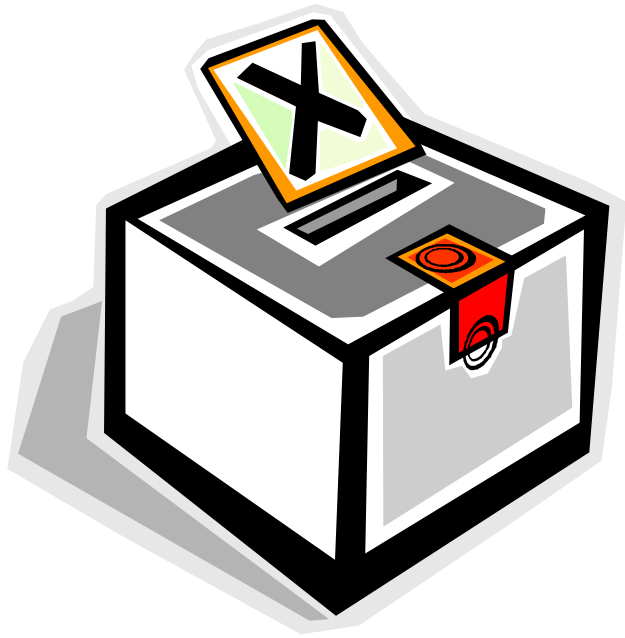


**Infopeople**  *helping libraries think differently*

Image sources: [apple.com](http://apple.com) & [samsung.com](http://samsung.com)

# Today's Agenda

- Know 3 innovative library mobile website designs.
- Understand how HTML, CSS, and JavaScript work together to build mobile websites.
- Know what a mobile framework is and why they are used.
- Know 3 existing mobile services/apps that can be included in library-created mobile websites.
- Know the best practices in mobile Web development.
- Have a step-by-step guide for implementing a mobile website.



**Quick Poll**

# Some Mobile Examples

# A simple mobile-optimized Website can work on all devices!

**SPC M.M. Bennett Libraries**  
**St. Petersburg College**

1. [Hours](#)
2. [Contact us](#)
3. [Directions](#)
4. [Find articles](#)
5. [Find books](#)
6. [Call the Library](#)
7. [Popular Links](#)

Connect with us on --> 

**SPC** M.M. Bennett Libraries  
St. Petersburg College

[Call the Library | \(727\) 341-7177](tel:7273417177)  
[\[Add to Phone Book\]](#)

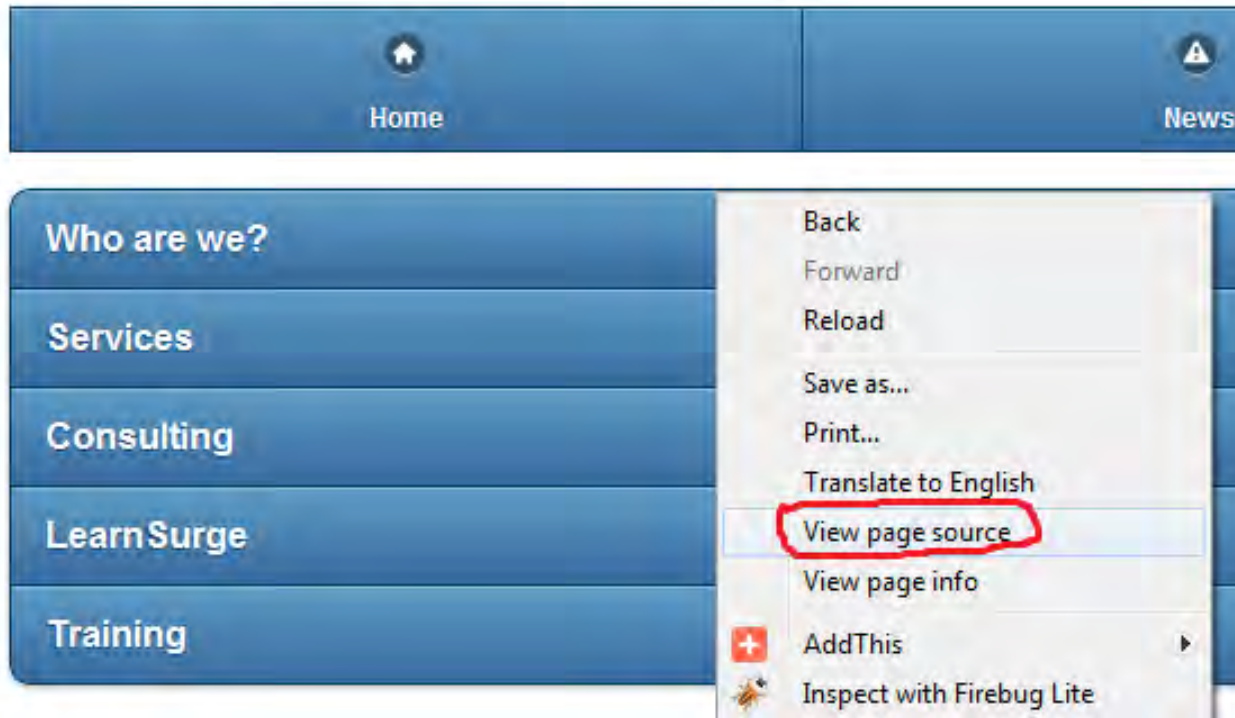
**ASK a Librarian**  
**MOBILE**

1. [Home](#)
2. [Hours](#)
3. [Directions](#)
4. [Find articles](#)
5. [Find books](#)
6. [Popular Links](#)

Questions/Feedback?  
E-mail: [mairn.chad@spcollege.edu](mailto:mairn.chad@spcollege.edu)

```
<p><a class="call" href="tel:17273417177" accesskey="0">Call the Library</a> | (727) 341-7177<br />  
<a href="wtai://wp/ap;+17273417177; SPC%20Library">[Add to Phone Book]</a><br />
```

Learn and borrow from sites you like.

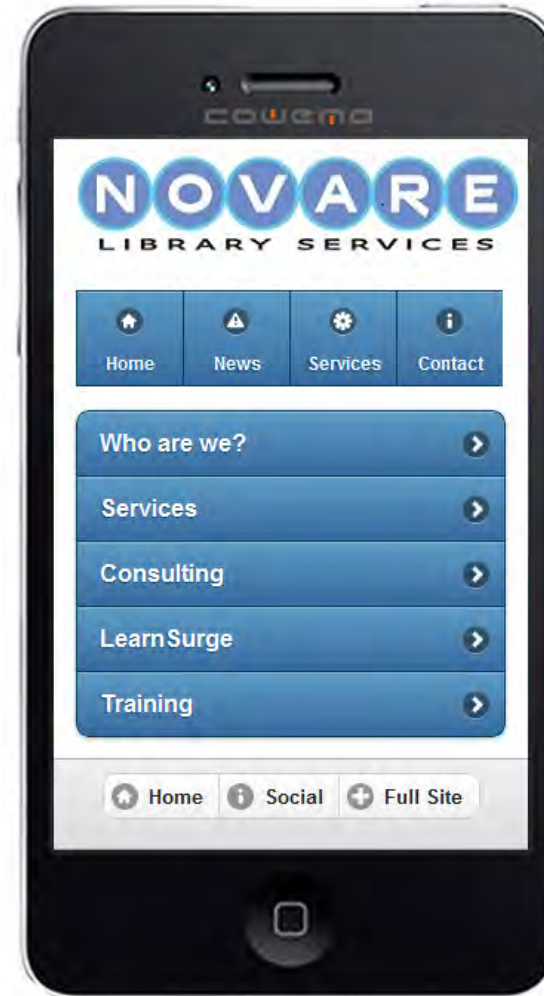


<http://m.novarelibrary.com/>

Or you can build something using HTML, CSS, and JavaScript that acts like a native app!



Built using jQTouch



Built using jQuery Mobile

# jQuery Mobile is ...

a unified, HTML5-based user interface system  
for all popular mobile device platforms.



jQuery Mobile is well-documented and there are great demos to get you started







The image shows a screenshot of the jQuery Mobile website. On the left side, there is the jQuery Mobile logo, which consists of a green circular icon with three curved lines and the text "jQuery" in a bold, black font, with "mobile framework" in a smaller, green font below it. Underneath the logo, it says "A Touch-Optimized Web Framework for Smartphones & Tablets". Below this, there is a "Welcome" message: "Welcome. Browse the jQuery Mobile components and learn how to make rich, accessible, touch-friendly websites and apps." Underneath the welcome message is a navigation menu with a green header labeled "Overview" and four items: "Intro to jQuery Mobile", "Features", "Accessibility", and "Supported platforms", each with a right-pointing arrow icon.

On the right side of the screenshot, there is a larger navigation menu with a blue header labeled "Components" and several items: "Pages & dialogs", "Toolbars", "Buttons", "Content formatting", "Form elements", and "List views", each with a right-pointing arrow icon. Below this is another blue header labeled "API" and several items: "Configuring defaults", "Events", "Methods & Utilities", "Responsive Layout", and "Theme framework", each with a right-pointing arrow icon.



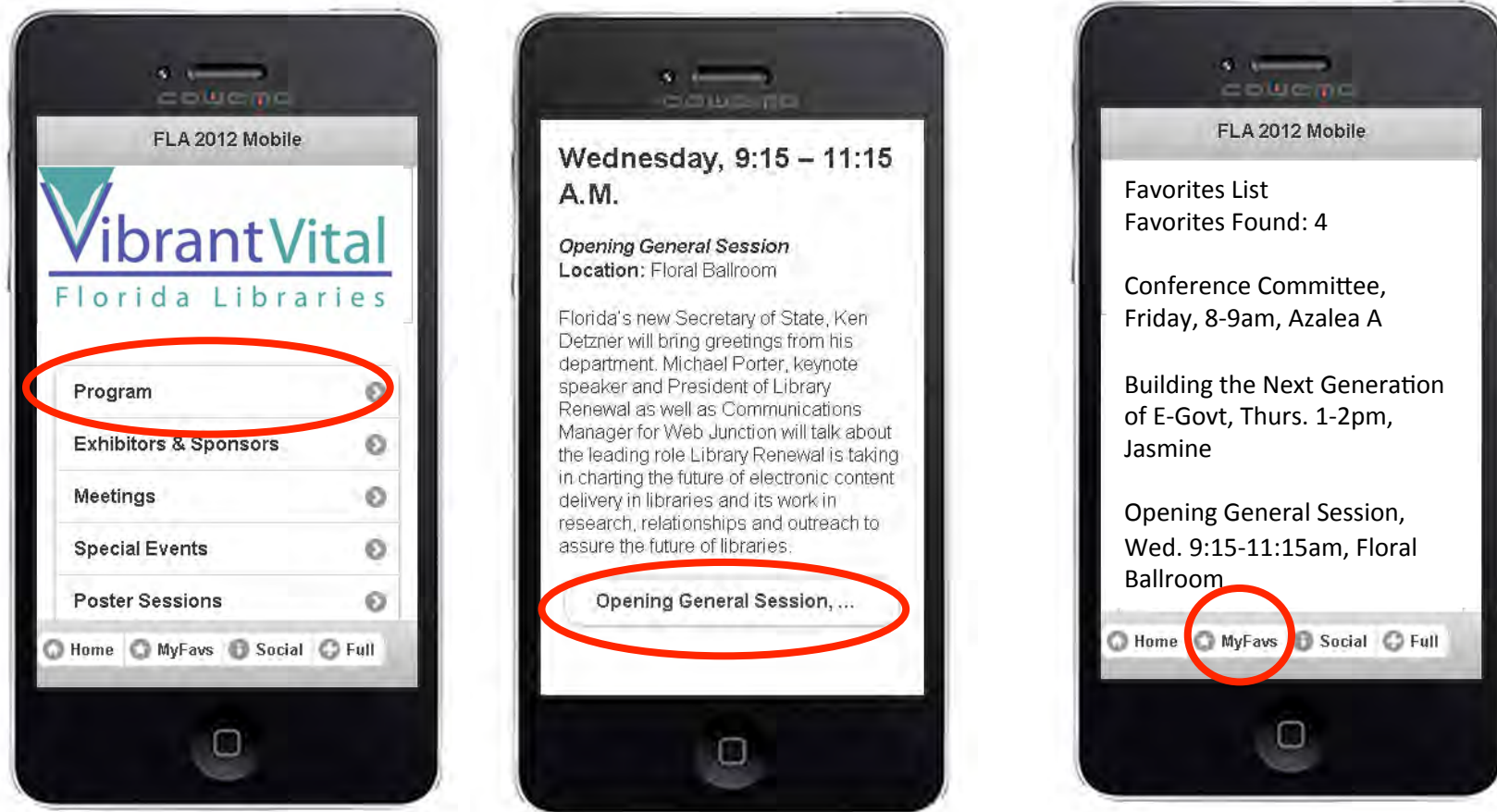
3G <http://m.lib.ncsu.edu/>

# NCSU LIBRARIES

-  Books & Media >
-  Articles >
-  Course Reserves >
-  Hours & Locations >
-  Ask Us >
-  My Account >

Navigation bar: back, forward, home (+), browser, and notifications (3).

Advanced Example (Web SQL Database stores data within user's browser. No cookies!) HTML5 has offline storage capabilities!



<http://novarelibrary.com/FLAmobile/>

**Note:** this URL is not a best practice. More later.

**Beware. This specification is no longer in active maintenance and the Web Applications Working Group does not intend to maintain it further.**

<http://www.w3.org/TR/webdatabase/>

Although Web SQL Database worked on this Web app, the W3C recommends these storage-related specifications: [Web Storage](#) and [Indexed Database API](#).



#### Navigation

- [Main page](#)
- [Community portal](#)
- [Current events](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

#### Toolbox

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)
- [Permanent link](#)

## M-Libraries

### Contents [hide]

- 1 Libraries offering mobile interfaces or applications
  - 1.1 Mobile site development tools
  - 1.2 Mobile site testing
  - 1.3 Mobile interfaces (and/or OPACS)
  - 1.4 Mobile OPACS only
  - 1.5 Mobile applications
  - 1.6 SMS notification services
  - 1.7 Mobile collections
  - 1.8 Mobile instruction
  - 1.9 Mobile tours of the library
  - 1.10 QR (Quick Response) 2D Codes
  - 1.11 Augmented Reality
  - 1.12 Other mobile applications
- 2 Vendors and Publishers
  - 2.1 Evolving content delivery for mobile learners
  - 2.2 Library Vendors offering mobile interfaces or applications
  - 2.3 Vendors offering mobile tours
  - 2.4 Publishers offering databases/interfaces for mobile devices
  - 2.5 Publishers offering mobile collections
- 3 Suggested Reading
  - 3.1 Books, reports and journal articles
  - 3.2 Blogs and Posts
  - 3.3 Other Resources
  - 3.4 Possible Health Effects

What is HTML, CSS, and JavaScript  
and how do they all fit together?



HyperText Markup Language (HTML) is the skeleton.

Cascading Style Sheets (CSS) are the skin, clothes, cologne etc.



JavaScript is the personality. The character. The pizzazz!

Source: <http://goo.gl/kWzET>

```
<!--[if] IE 6-->
<html>
<head>
<title>NCSU Libraries Mobile Web</title>
<meta charset="utf-8" />
<meta name="format-detection" content="telephone=no" />
<meta name="viewport" content="initial-scale=1, maximum-scale=1, user-scalable=0">
<link rel="apple-touch-icon-precomposed" sizes="57x57" href="http://m.lib.ncsu.edu/lib/images/homescreen-icon-57x57.png" />
<link rel="apple-touch-icon-precomposed" sizes="72x72" href="http://m.lib.ncsu.edu/lib/images/homescreen-icon-72x72.png" />
<link rel="apple-touch-icon-precomposed" sizes="114x114" href="http://m.lib.ncsu.edu/lib/images/homescreen-icon-114x114.png" />
<link rel="stylesheet" href="http://code.jquery.com/mobile/1.0/jquery.mobile-1.0.min.css" />
<link rel="stylesheet" href="http://m.lib.ncsu.edu/lib/themes/ncsu-libraries-mobile-theme.min.css" />
<link rel="stylesheet" href="http://m.lib.ncsu.edu/lib/ncsu-libraries-mobile.css" type="text/css">
<script src="http://code.jquery.com/jquery-1.6.4.min.js"></script>
<script>
$(document).bind("mobileinit", function() {
$.mobile.ajaxEnabled = false;
$.mobile.pushStateEnabled = false;
$.mobile.hashListeningEnabled = false;
});
</script>
<script src="http://code.jquery.com/mobile/1.0/jquery.mobile-1.0.min.js"></script>
<script type="text/javascript">
```



# Native Apps vs. Web/Browser Apps

Issues	Native apps	Web apps
Internet access	Not required	Required, except for apps written in HTML5 (offline capabilities)
Shareable content (Twitter etc.)	Only if it is built in to the app	Web links can be shared. Social API's allow 1-click posting
Access to hardware sensors	Yes: camera, gyroscope, microphone, compass, accelerometer, GPS	Access thru browser is limited. Geolocation works!
Development	Build app for target platform (Android, iOS [Objective-C] etc.)	Write/publish once using standard Web technologies, view it anywhere with URL. Speedy debugging and development.
Distribution	Most app stores require approval.	No hassles.

Source: <http://goo.gl/zSeDU>

A framework resembles scaffolding. It is a temporary platform used as a supportive guide to help build something. Mobile frameworks work similarly in that they provide libraries etc. that allow one to build something quickly.



# Mobile Frameworks Comparison Chart

Looking for the right mobile framework? Compare all major mobile frameworks and choose

Framework	Platform (Rendering Engine)																					
	iOS (Webkit)	Android (Webkit)	Windows Mobile (Trident)	Windows Phone (Trident)	Blackberry OS (Webkit)	Symbian (Webkit/Gecko)	MeeGo (Gecko)															
Adobe Flex*	✓	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Appcelerator Titanium Mobile*	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
CNET iPhone UI*	✓	✓	✗	✗	✓	✗	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
Corona*	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
GWT mobile webkit + gwt mobile ui*	✓	✓	✗	✗	✗	✗	✗	✗	✓	✗	✗	✓	✓	✗	✗	✗	✗	✓	✗	✗	✗	✗
iPhone Universal*	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗
iUI*	✓	✓	✗	✗	✓	✗	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
Jo HTML5 Mobile App Framework*	✓	✓	✗	✗	✗	✓	✗	✗	✓	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗

Platform

What platforms must be supported by the framework?

iOS  
  Android  
  Windows Mobile  
  Windows Phone  
  Blackberry OS

Symbian  
  MeeGo  
  Maemo  
  WebOS  
  Bada  
  Java ME

# Rapid Prototyping for jQuery Mobile

The screenshot displays the Codiqa web-based rapid prototyping tool. The interface includes a top navigation bar with the Codiqa logo, user information (Hi, Chad!), and links for 'My account' and 'Log out'. Below the navigation bar, there are controls for 'Last saved: just now', 'Theme', 'Device Size', 'Rotate Device', and buttons for 'Design' and 'Preview'. On the left side, there are two panels: 'PAGES' and 'COMPONENTS'. The 'PAGES' panel lists 'Home', 'News', 'Locations', 'Contact', 'Articles', 'Books', and 'Guides', with a 'New page' button. The 'COMPONENTS' panel shows various UI elements like buttons, links, maps, headings, text, images, collapsible sections, grids, list views, form controls, text inputs, text areas, toggle switches, sliders, and select menus. The central area shows a mobile device prototype with a white background and a blue header. The header contains the text 'SPC Libraries' in a stylized font. Below the header is a navigation bar with four buttons: 'Home', 'News', 'Locations', and 'Contact'. The main content area features a search bar with a magnifying glass icon and the text 'Find Articles'. Below the search bar are five buttons: 'Find Books', 'Research Tools', 'Ask-a-Librarian', and 'Feedback'. At the bottom is a blue footer bar with the text 'Footer'. On the right side, a 'BUTTON' configuration panel is open, showing settings for a button with the text 'Find Articles'. The settings include 'Link to' (Articles), 'Transition' (Fade), 'Icon' (Search), 'Theme' (Default), 'Inline' (No), 'Reverse Transition' (No), and 'Back in history' (No).

Try it at <http://codiqa.com/>

ThemeRoller  
For jQuery Mobile

jQuery Mobile  
Version 1.1.0

undo redo Inspector off

Download theme zip file

Import or upgrade

Share theme link

Help center

Global A B C +

Theme Settings

Font Family  
FONT Helvetica, Arial, sans-serif

Active State  
TEXT COLOR #ffffff  
TEXT SHADOW 0 1px 1px #3373a5  
BACKGROUND #387bbe  
BORDER #2373a5

Corner Radii  
Icon  
Box Shadow

Drag a color onto an element below or pick from the Adobe Kuler swatches

Recent Colors

LIGHTNESS SATURATION

A B C

Sample text and [links](#).

List Header

Radio 1  
 Radio 2  
 Checkbox

On Off

Option 1

Text Input

50

Button

Try it at <http://jquerymobile.com/themeroller/>



# Codiqa Demo

3<sup>rd</sup> Party Apps/Services



### AML Special Edition

*AccessMyLibrary* Special Library Edition provides Government, Military, Business, Health and other special libraries with information solutions from our diverse and respected products.

Available on the  
[App Store<sup>SM</sup>](#) »  
[Android<sup>TM</sup> Market](#) »



### AML Public Edition

*AccessMyLibrary* Public Edition uses GPS to find public libraries within a 10-mile radius of the user's location then provides free access to credible Gale online resources.

Who are you?  
[Librarian](#) »  
[Patron](#) »

Available on the  
[App Store<sup>SM</sup>](#) »  
[Android<sup>TM</sup> Market](#) »



### AML School Edition

After a one-time log-in, *AccessMyLibrary* School Edition supplies students with free, unlimited access to their school library's Gale online resources.

Who are you?  
[Librarian](#) »  
[Student](#) »

Available on the  
[App Store<sup>SM</sup>](#) »  
[Android<sup>TM</sup> Market](#) »



### AML College Edition

Using your college e-mail address, *AccessMyLibrary*College gives you unlimited, 24/7 access to your college library's Gale online resources.

Who are you?  
[Librarian](#) »  
[Student](#) »

Available on the  
[App Store<sup>SM</sup>](#) »  
[Android<sup>TM</sup> Market](#) »



### Memoirs of a Goldfish

Not just another fish story book! *Memoirs of a Goldfish* Interactive is a digital read-along version of the acclaimed print book!

[Learn more](#) about this fish story.

Available on the  
[App Store<sup>SM</sup>](#) »



### Jungle Speak

Welcome to the *Jungle Speak* app, where you'll find access to sounds, videos, pictures, activities and quick facts relating to the animal kingdom.

How does *JungleSpeak* sound to you?

Available on the  
[App Store<sup>SM</sup>](#) »



# Mobile OPACs

The screenshot shows a mobile browser interface. At the top, the status bar displays a Wi-Fi signal, 3G network, signal strength, battery level, and the time 1:41 PM. Below the status bar is the address bar with the URL <http://www.linccweb.org...> and a bookmark icon. The main content area features a search interface with the LINC Web logo and the text "Search: Books or Articles". A search input field contains the text "music theory". Below the search field are two dropdown menus: "St. Petersburg" and "All campuses". A blue button labeled "Search LINCCWeb Mobile" is positioned below the dropdowns. At the bottom of the page, there is a copyright notice: "Copyright 2009-2012 College Center for Library Automation" and a "View full site" link.

Search: Books or Articles

music theory

St. Petersburg

All campuses

Search LINCCWeb Mobile

Copyright 2009-2012 College Center for Library Automation

[View full site](#)



1:42 PM

### **Basic principles of music theory**

- Clearwater: Circulation : MT6.B899 B4  
Joseph Brye  
New York : Ronald Press Co. c1965

### **Practical music theory; : how music is put together from Bach to rock.**

- St. Petersburg: Circulation : MT6 .C65  
1970  
James Lincoln Collier 1928-  
New York, : W.W. Norton 1970]

### **Introduction to the theory of music.**

- Clearwater: Circulation : MT6 .B648  
Howard Boatwright  
New York, : W.W. Norton 1956]

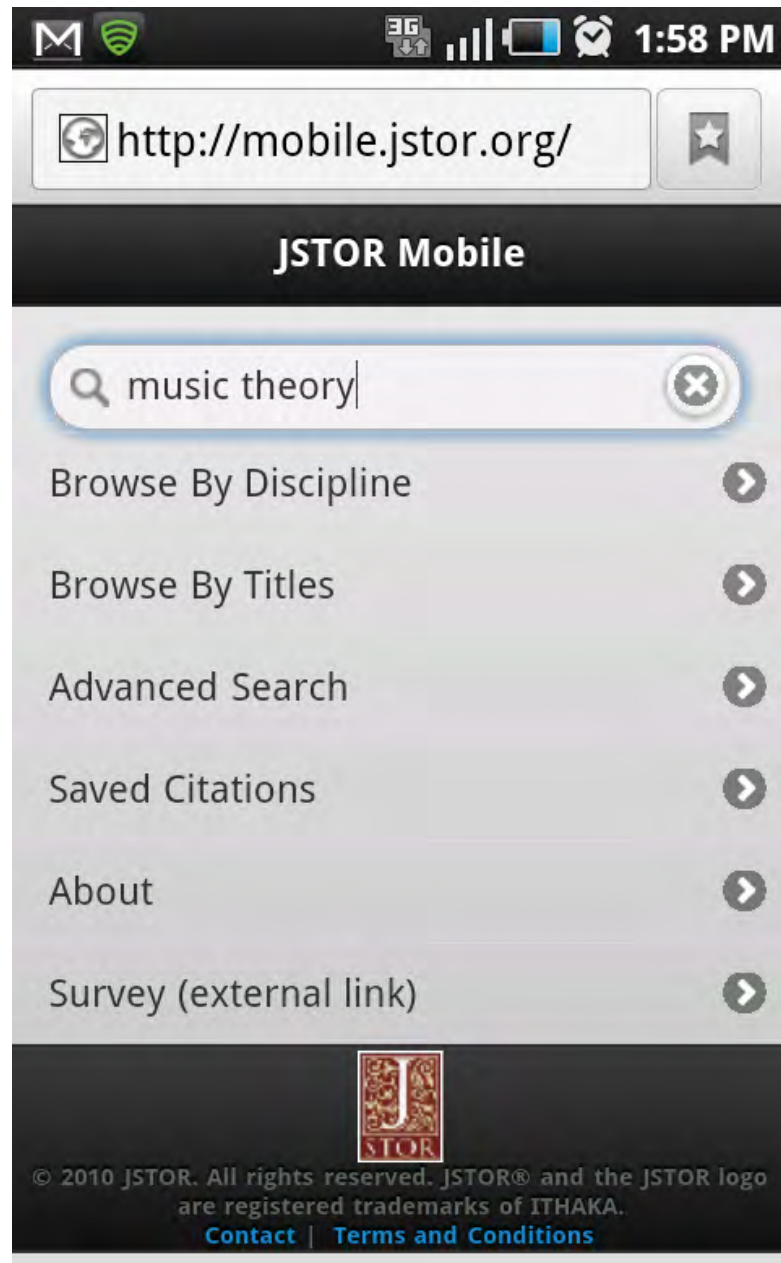
### **Perspectives on contemporary music theory**

- Clearwater: Circulation : ML197 .B65  
Benjamin Boretz  
New York : W. W. Norton c1972]

### **Materials and structure of music; Workbook**

- St. Petersburg: Circulation : MT6  
M317 1972 Sunnl

# Mobile Databases






1:59 PM

[← Back](#)

Search Results




Results 1 - 20 of 180566

Making Music Theory Click 

[Shellie Gregorich, Rebecca Dodson-Webster](#)

College Music Symposium


Vol. 49/50, (2009/2010) pp. 154-157

Reflections on Music Theory 

[Marion A. Guck, Marianne C. Kielian-Gilbert](#)

Perspectives of New Music


Vol. 22, No. 1/2, (Autumn, 1983 - Summer, 19...

Geometrical Music Theory 

[Rachell Wells Hall](#)

Science


Vol. 320, No. 5874, (Apr. 18, 2008) pp. 328-329

Music Theory and Musicology 

[J. Peter Burkholder](#)

The Journal of Musicology

Vol. 11, No. 1, (Winter, 1993) pp. 11-23

Enumeration in Music Theory 

[David L. Reiner](#)

The American Mathematical Monthly

Vol. 92, No. 1, (Jan., 1985) pp. 51-54

[More Results...](#)



2:03 PM



Back

Citation



# Music Theory and Musicology

J. Peter Burkholder

The Journal of Musicology

Vol. 11, No. 1, (Winter, 1993) pp. 11-23

[View in full JSTOR site](#)



Email



Save





Powered by:



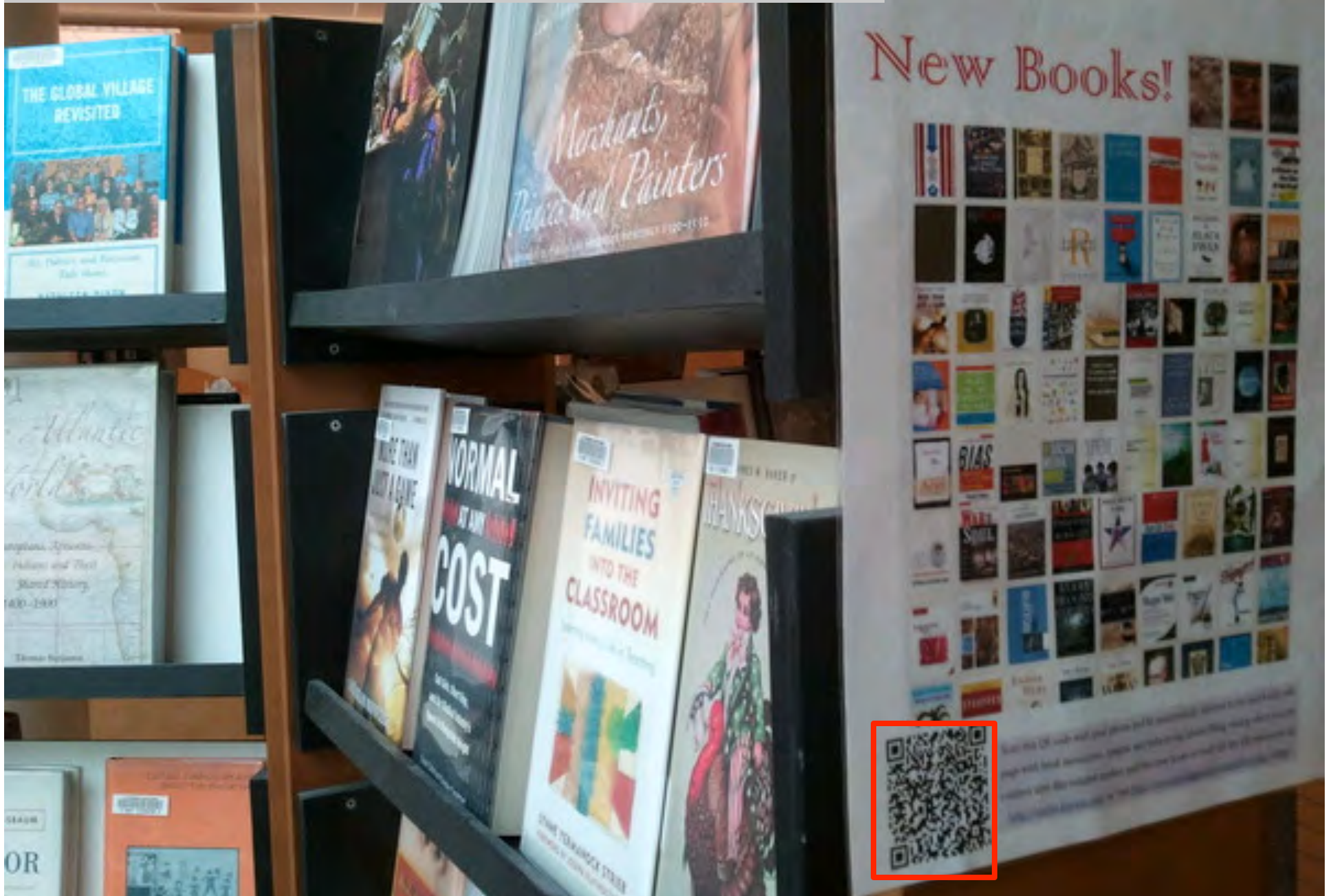
# Some e-reading Apps

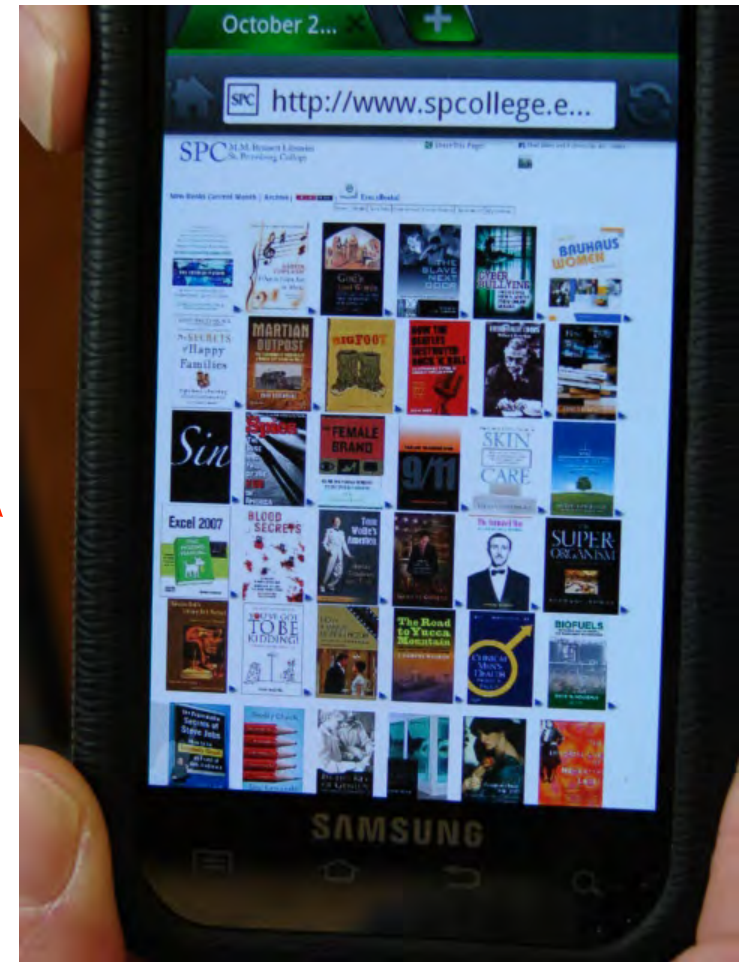


QR Codes etc.



QR (Quick Response) codes can help guide mobile users in your physical spaces come visit your digital library spaces.





Check with your vendors to see if they have apps and/or mobile-optimized resources.

If they don't, put some pressure on them to build something quickly!

**Getting Started!**

*“Fundamentally, ‘mobile’ refers to the user, not the device or application.”*

Barbara Ballard [Designing the Mobile User Experience](#)

Take an emulated look at your desktop site.

### Mobile Site

Select Skin:



### Desktop Site

Select Skin:





Google Analytics

Hide Overlay | Displaying: Clicks | Jun 6, 2010 - Jul 6, 2010 | close

SPC St. Petersburg College

Download Audiobooks, Music & Movies.

Home | Mobile | Text Only | Databases A-Z by Subject | Journals A-Z | My Account

Search | Article Search | Guides | Databases & Journals

Enter Search Terms [Go >>]

Advanced Library Search | What am I searching?

Live Chat | Email | About us | ASK a Librarian

ShareThis Page!

**I Need to Find**

- Books and More
- Articles
- Journals A-Z
- Citation Help
- Subject Guides
- Course Reserves

**SPC Links**

- ANGEL
- Contact Staff/Faculty
- Linking Gateway
- Events
- MySPC
- Home

**Library Information & Help**

- FAQ's - Frequently Asked Questions
- Instruction Request Form
- Interlibrary Loan Form
- Locations & Hours
- Policies and Procedures
- Renew Items
- Archive - Digital Collection

**News**

- New databases: GREENR and Grzimek's Animal Life
- Local Book Talks & Signings
- The Madonnas of Echo Park
- NPR Music app for iPhone and iPod

**News Titles**

New Titles @ SPC Libraries

**Mobile Device Info**

	Mobile Device Info	Visits
<input type="checkbox"/>	1. Apple iPad	109
<input type="checkbox"/>	2. Apple iPhone	75
<input type="checkbox"/>	3. SonyEricsson LT15i Xperia Arc	14
<input type="checkbox"/>	4. Acer A200 Picasso_E	9
<input type="checkbox"/>	5. Apple iPod Touch	8
<input type="checkbox"/>	6. Samsung SGH-T679 Exhibit II 4G	7
<input type="checkbox"/>	7. LG MS690 Optimus M	6
<input type="checkbox"/>	8. Samsung SPH-D710	6
<input type="checkbox"/>	9. HTC EVO 4G	5
<input type="checkbox"/>	10. HTC EVO 3D Shooter	5

**Note:** you can determine how your user's are accessing your Web site (e.g., mobile devices, carriers, browsers , OS's, screen resolution etc.)

In-page Analytics



SPC mobile

Header image

NAV BAR

Home

News

Locations

Contact

Find Articles →

Find Books →

Research Guides →

Ask-a-Librarian →

Feedback →

Home

Social

My Favs

Full site

\* Don't forget Google Analytics.

Sketch ideas

# Some Best Practices

- Follow the "m" convention (m.novarelibrary.com OR lifeonterra.com/m/)
- Keep categories (directories) short. Remember that you are creating a page that people touch without much typing
- Limit image and markup sizes
- Limit HTML pages to 25KB to allow for caching
- "Minify" your scripts and CSS (JSLint, CleanCSS)
- Link to Full Site
- Sniff for User Agent – Detection (allow the user to decide where to go)
- One Column Layout with some whitespace
- Mobile refers to the user!

# Minified CSS Code

```
body{background:#fff;color:#000;font:12px/18px Arial,
0;padding:0;}#wrapper{width:960px;margin:auto;}img{bo
decoration:none;}a:hover{color:#fa9c3a;}blockquote{ma
10px;background:#e8e8e8;border-top:2px solid #000;bor
#000;}#header{width:960px;height:100px;margin:0 auto
0;}#headerleft{width:740px;float:left;padding:20px 0
10px;}#headerright{width:130px;float:right;text-align
0;}#headerright #feed{display:block;border-bottom:1px
size:24px;color:#000;padding:0;margin:0;}#title h1 a{
a:hover{color:#fa9c3a;}#description{color:#ccc;paddin
10px;}#navbar{width:960px;text-align:right;height:28p
bottom:1px solid #404040;}#navbar ul{margin:0;padding
li{display:inline-list-style-type:none;height:28px.ma
```

# Redirecting Mobile Users

1. 

```
<script type="text/javascript">
<!--
if (screen.width <= 699) {
document.location = "YOUR-MOBILE-SITE.com";
}
//-->
</script>
```

2. 

```
<span><script type="text/javascript">
<!--
if ((navigator.userAgent.match(/iPhone/i)) ||
(navigator.userAgent.match(/iPod/i))) {
location.replace("<a href="http://YOUR-MOBILE-
SITE.com">http://YOUR-MOBILE-SITE.com</a>");
}
-->
</script>
</span>
```

Note: <http://www.user-agents.org> has an extensive list.

3. 

```
<link rel="stylesheet" href="screen.css" media="screen"/>
<link rel="stylesheet" href="handheld.css" media="handheld"/>
```

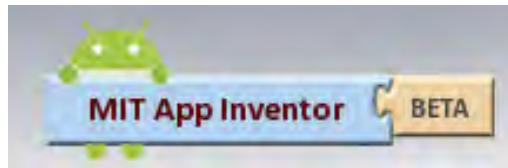
4. 

```
<? if (
  stristr($ua, "Windows CE") or
  stristr($ua, "Mobile") ) {
  $DEVICE_TYPE="MOBILE";
}
if (isset($DEVICE_TYPE) and $DEVICE_TYPE=="MOBILE") {
  $location='YOUR-MOBILE-SITE.com/index.php';
  header ('Location: '.$location);
  exit;
}
?>
```

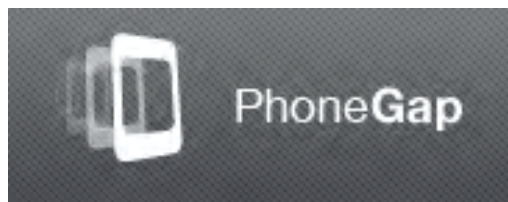
Using WordPress? <http://wordpress.org/extend/plugins/wordpress-mobile-pack/>

Source: <http://goo.gl/Amfj2>

# Other mobile development tools/frameworks



Mobilize.js



# The Future of Mobile Web App/Site Development? Responsive Web Design?



# Testing and validation

SPC SPC Libraries Mobile | Home

**SPC M.M. Bennett Libraries**  
St. Petersburg College

1. [Hours](#)
2. [Contact us](#)
3. [Directions](#)
4. [Find articles](#)
5. [Find books](#)
6. [Call the Library](#)
7. [Popular Links](#)

Connect with us on --> 

## Test Page Speed in Firebug

Console HTML CSS Script DOM Net Page Speed Page Speed Activity

Performance Resources Export Help

**Page Speed Score: 84 / 100** Refresh Analysis

**Leverage browser caching**

The following cacheable resources have a short freshness lifetime. Specify an expiration at least one week in the future for the following resources:

- <http://www.spcollege.edu/central/libonline/mobile/css/mobile.css> (expiration not specified)
- <http://www.spcollege.edu/central/libonline/mobile/images/facebookBtn.gif> (expiration not specified)
- <http://www.google-analytics.com/ga.js> (1 day)

- Minify CSS**
- Serve static content from a cookieless domain**
- Specify a Vary: Accept-Encoding header**
- Minify HTML**
- Optimize images**
- Enable compression**
- Minify JavaScript**
- Remove unused CSS**
- Avoid bad requests**
- Combine external CSS**
- Combine external JavaScript**
- Minimize DNS lookups**
- Minimize redirects**
- Minimize request size**
- Optimize the order of styles and scripts**
- Parallelize downloads across hostnames**
- Put CSS in the document head**
- Remove query strings from static resources**
- Serve resources from a consistent URL**
- Serve scaled images**



<http://getfirebug.com/>

# W3C mobileOK Checker


<http://validator.w3.org/mobile/>

**W3C** W3C mobileOK Checker  
Is your Web site mobile-friendly?

[Expand all](#) | [Expand one level](#) | [Collapse one level](#) | [Collapse all](#)





▶ Address **http://www.spcollege.edu/central/libonline/mobile/index.html**

▼ Result **96%**




**96%**

**FAILURES PER SEVERITY**

 CRITICAL	0
 SEVERE	0
 MEDIUM	0
 LOW	2

**FAILURES PER CATEGORY**

 Rely on Web standards	2
---	---

▶ Page Size **5.9KB** ▶ Network usage **3 requests**

▼ Detailed report



# http://ready.mobi

mobiReady.

YOU ARE HERE: [home](#) > [page results](#)

Username:  Password:    
Use your mobiForge sign-in - [Sign up@mobiForge](#) - [Lost password](#)

## Page results

URL tested: <http://www.spcollege.edu/central/libonline/mobile/index.html>

<http://www.spcollege.edu/central/libonline/mobile/>



Overall

**GOOD**



**It will probably display well on a mobile phone.**

Your mobi.readiness score is calculated from the results displayed below. Failing tests and large page sizes both lower the score. Read through the report to understand how to improve your score - and your site.

### About this report

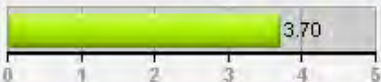
Ready.mobi uses industry standard tests developed with the W3C and leading mobility companies.

Ready.mobi provides an analysis of how your web content is likely to function on a mobile device.

Many tests performed by ready.mobi are defined by the W3C in the [MobileOK Basic Tests 1.0](#) document.

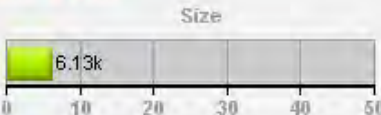
### Readiness, Size, Time & Cost

**Score**



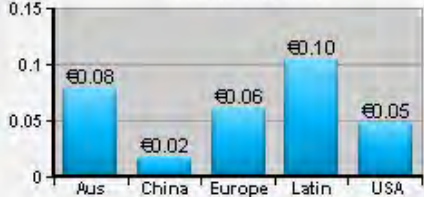
3.70

**Size**



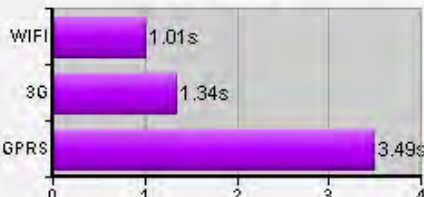
6.13k

**Estimated cost**



Region	Estimated cost
Aus	€0.08
China	€0.02
Europe	€0.06
Latin	€0.10
USA	€0.05


**Estimated speed**



Network	Estimated speed
WiFi	1.01s
3G	1.34s
GPRS	3.49s

[Representative charges for a user on a usage-based tariff]

### More testing?

 [Back to start page](#)  
[Retest this page](#)

Test another page

### Feedback

 How useful did you find this report?

# Editors and Tools

- You can use a simple text editor (e.g., Notepad) or a more sophisticated application (e.g., Dreamweaver).
- Adobe Device Central is part of Adobe's CS.
- iUI: <http://code.google.com/p/iui/> for iPhone.
- MIT Mobile Web Open Source Project  
<http://sourceforge.net/projects/mitmobileweb/>
- Device detection? <http://detectmobilebrowsers.mobi/>
- To see your browser's HTTP Headers. Works on mobile browsers.  
<http://rabin.mobi/http>
- Web Developer Toolbar in Firefox: Select Miscellaneous >>> Small Screen Rendering (260 px) >>> the layout will be reformatted to simulate rendering by a mobile browser.

# Emulators/Simulators:

- Cowemo Mobile Emulator: <http://www.mobilephoneemulator.com/>
- dotMobi Emulator - <http://mtld.mobi/emulator.php>
- Opera Mini Simulator - <http://www.opera.com/mobile/demo/>
- Mimic - emulates European and Japanese models: N400i and N505i. <http://pukupi.com/post/2059>
- Android Emulator - <http://developer.android.com/guide/developing/tools/emulator.html>
- BlackBerry Device Simulators - <https://www.blackberry.com/Downloads/entry.do?code=060AD92489947D410D897474079C1477>
- iPhone Dev Center: <http://developer.apple.com/iphone/>
- Palm Pre - <http://developer.palm.com/>
- Windows Mobile - <http://msdn.microsoft.com/en-us/windowsmobile/default.aspx>
- JAVA ME - Java Platform Micro Edition was termed J2ME. It is considered one of the most ubiquitous application platform for mobile devices.  
<http://java.sun.com/javame/reference/apis.jsp>



slideshare  
Present Yourself

<http://www.slideshare.net/chadmairn>



Real-time notebook powered by Google Drive at: <http://goo.gl/NZAeG>



@cmairn

# Virtual Petting Zoo



[anymeeting.com/chadmairn](https://anymeeting.com/chadmairn)



[gplus.to/chadmairn](https://gplus.to/chadmairn)

Chad Mairn, M.L.I.S.  
St. Petersburg College

✉ mairn.chad@spcollege.edu

☎ (727) 341-7181

talk chadmairn@gmail.com

skype chadmairn

Google Voice (727) 537-6405

Follow me! twitter.com/cmairn

☎ Text *chadmairn* to 50500

Scan Chad's ShareSquare



shsq.re/73

Want to  
Hangout?

gplus.to/chadmairn



Infopeople webinars are supported in part by the U.S. Institute of Museum and Library Services under the provisions of the Library Services and Technology Act, administered in California by the State Librarian. This material is licensed under a Creative Commons 3.0 Share & Share-Alike license. Use of this material should credit the author and funding source.