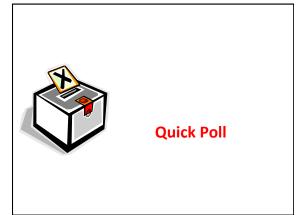


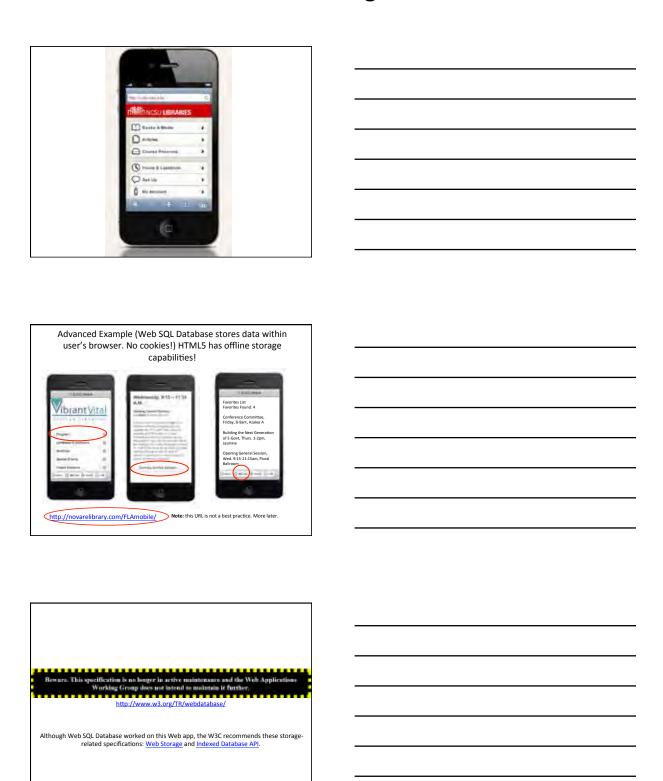
Today's Agenda

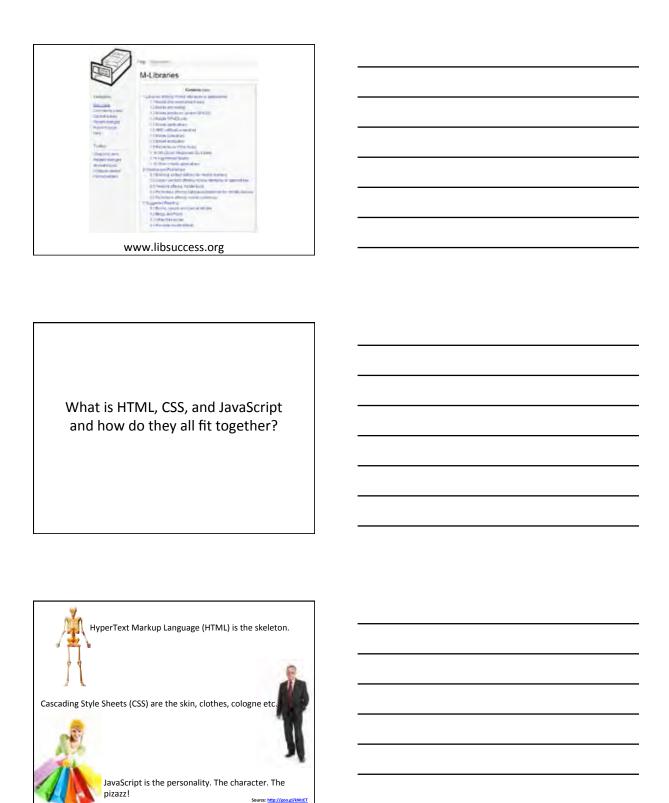
- Know 3 innovative library mobile website designs.
- Understand how HTML, CSS, and JavaScript work together to build mobile websites.
- Know what a mobile framework is and why they are used.
- Know 3 existing mobile services/apps that can be included in library-created mobile websites.
- Know the best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



Some Mobile Examples	
A simple mobile-optimized Website can work on all devices!	
2200	
SPC M.M. Bennett Libraries St. Petersburg College 1. Hours SPC M.M. Bennett Libraries SPC M.M. Benne	
2. Sontact. us 3. Directors 4. End atricks MOBILE	
5. Find books 6. Call the Library	
Connect with us on	
Call the Library (727) 341-7177 br />	
[Add to Phone Book] br />	
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Learn and borrow from sites you like.	
NOVARE	
LIBRARY SERVICES	
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Learning Street Transition of the Control of the C	
http://m.novarelibrary.com/	









Native Apps vs. Web/Browser Apps

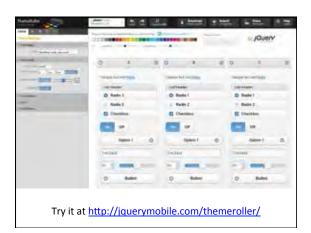
Issues	Native apps	Web apps
Internet access	Not required	Required, except for apps written in HTMLS (offline capabilities)
Shareable content (Twitter etc.)	Only if it is built in to the app	Web links can be shared. Social API's allow 1-click posting
Access to hardware sensors	Yes: camera, gyroscope, 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.

ource: http://goo.gl/zSeDU

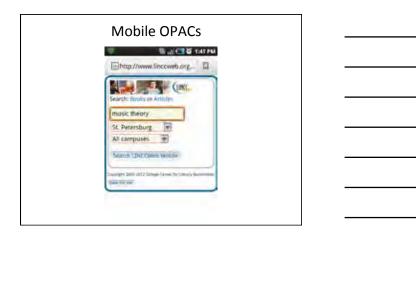


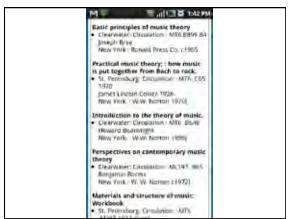


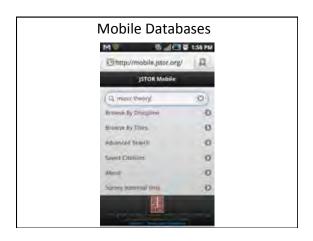


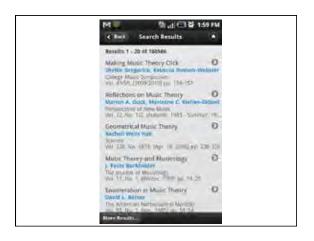
















Some e-reading Apps	
SM Course	
koho	
kobo	
O S Kro	
OD Codos etc	
QR Codes etc.	
QR (Quick Response) codes can help guide mobile users in your physical spaces come visit your digital library spaces.	
New Bookst	



"Fundamentally, 'mobile' refers to the user, not the device or application."

Barbara Ballard Designing the Mobile User Experience









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(berkground: #fff; bclor: #GDS; fcnt; | Tpx/lfpx &rtal, Orpaddingr0;) #erapper(width:#40px;maegin:auto;) img(bu descration:none;)a:homer(mior:#fapc3ar)bluckquute(ma 10px;backqround:#60e8e6;burger-tup:7px molid #000;bor | ISpartackground:#edefesfrance-tap:7px solid #000frbot #000f7}#header(midch:#40px/heigh:100px/margin:0 sure 02)#headerlefs(widch:#edpx:ficar:lefn;pedding:#px 0 | IDpx:#sheaderigh: Midth:110px:ficar:lefn;pedding:#px 0 | IDpx:#sheaderigh: Midth:110px:ficar:lefn;pex:-align 07)#headerigh:#feed(displey:block;conder-hottom:lpa mim:#sparcolar:#000fpadding:0pmx:px:-0;#iifl=h h at a:hover(colds:#fa9cder)#lemeription;mids:#coorpaddin | IDpx:#sheader(widch:#00px:cext-align:iight:heigh:#fap | bottom:Tpx #alid ##00000)#nawhar ul/margin:0px:fingdings **Redirecting Mobile Users** $\textbf{Using WordPress?} \ \underline{\text{http://wordpress.org/extend/plugins/wordpress-mobile-pack/}}$ Other mobile development tools/frameworks

This material has been created for the Infopeople Project [infopeople.org], and has been 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.

codiqa

Mobilize.js

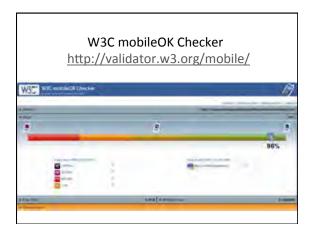
Sencha

app makr

ShareSquare









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://iava.sun.com/javame/reference/apis.isp

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