



DIY for Mobile Websites: A TSLAC Webinar

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Amigos Library Services




Summary

Are you interested in do-it-yourself options for developing a mobile website for your library? The Texas State Library is planning on offering training on this topic, but we need your input. Christine Peterson of Amigos Library Services is conducting a 1-hour webinar, showcasing the following common DIY mobile options:

- Google Sites mobile templates
- Kurogo Mobile Platform
- iUI Web Framework
- jQuery Mobile
- Responsive Web Design using CSS media queries

In conjunction with the webinar, you will have an opportunity to vote via survey for the solution you would like to receive training on.



Agenda

- Google Sites mobile templates
- Kurogo Mobile Platform
- iUI Web Framework
- jQuery Mobile
- Responsive Web Design using media queries



Google Sites



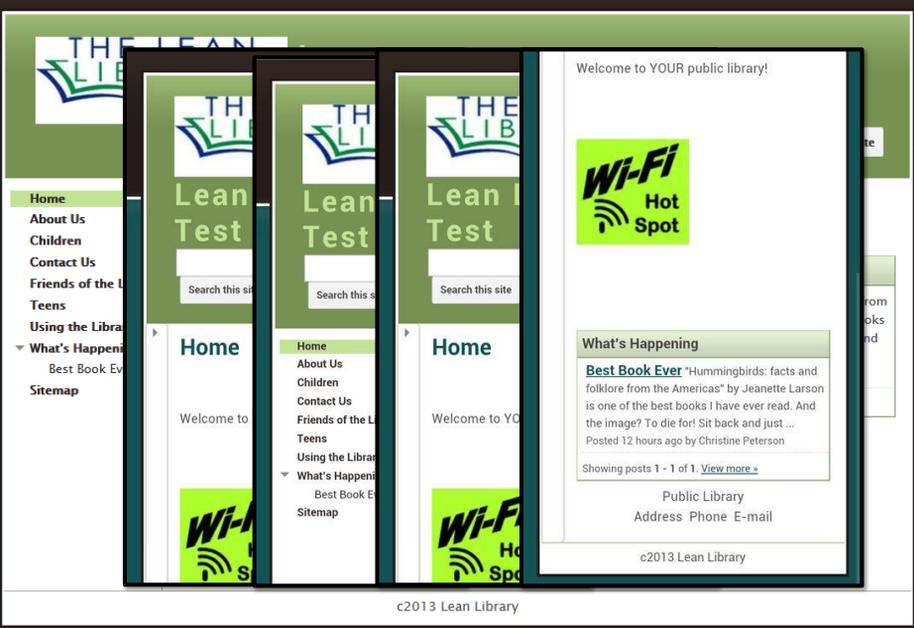


Logistics

- Cloud-based
- Template-based
- Created for non-coders



Desktop to Mobile



c2013 Lean Library



Pros and Cons

<p>Pros</p> <ul style="list-style-type: none"> • No HTML necessary • Easy to integrate Google services • Template-based • Cloud-based • Can be a single site to serve desktop & mobile 	<p>Cons</p> <ul style="list-style-type: none"> • Cannot use complete HTML • Additional scripts can be problematic • Best if stay close to a template • Probably separate site to serve mobile
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Content Management Systems



Drupal™



movabletype™



dSPACE



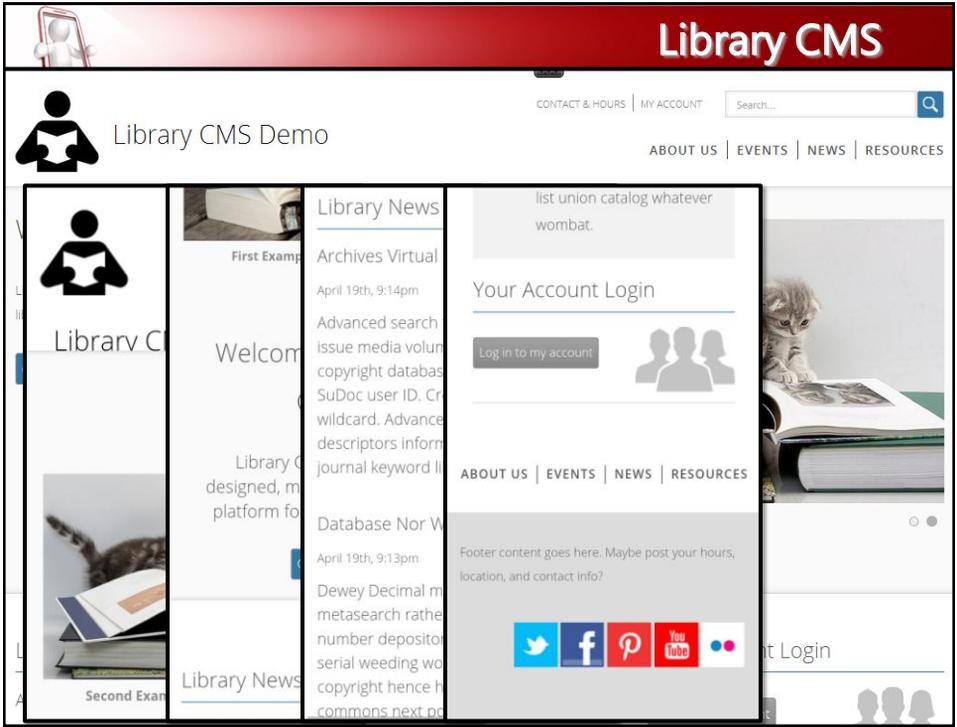
Joomla!™



WORDPRESS



Plone





Logistics

- Open source
- PHP framework
- Requires Apache server
- Detects browser's identity
 - Categories: basic, touchscreen, smartphone, tablet devices
- Modules

Home	Dining	Login	Social
About	Emergency	Map	Statistics
Athletics	Info	News	URL
Calendar	Kitchen	People	Video
Content	Links	Photos	



Desktop to Mobile

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FOUNDED BY ANDREW YANG '96
Venture for America ret

Venture for America has returned to campus for its second five-week summ
68 fellows — up from 40 last year — participates in lectures and exercises
apprenticeships. Venture for America places fellows at early stage and star
cities with the hope that they will stay and eventually start their own compar

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Links


Full Website


Customize Home


About

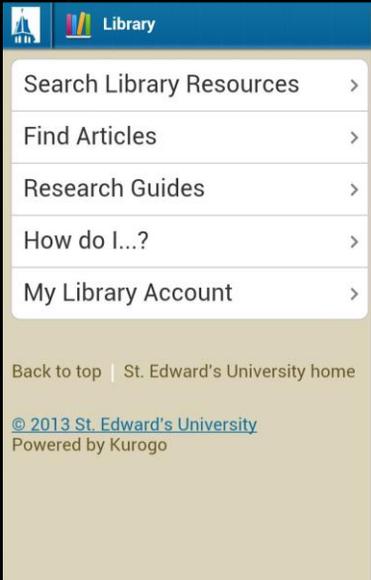
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Desktop to Mobile







Pros and Cons

<p>Pros</p> <ul style="list-style-type: none"> • Integrate many services • Server-based • Open source • Used by many large organizations 	<p>Cons</p> <ul style="list-style-type: none"> • Web development expertise necessary • Requires server & administration experience • Creating second site to serve mobile
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<head> of all documents

```
1. <!DOCTYPE html>
2. <html>
3. <head>
4.   <title>Page Title</title>
5.   <meta name="viewport" content="width=device-width; initial-scale=1.0; maximum-scale=1.0; user-scalable=0;"/>
6.   <link rel="stylesheet" href="iui/iui.css" type="text/css" />
7.   <link rel="stylesheet" href="iui/default/default-theme.css" type="text/css"/>
8.   <script type="application/x-javascript" src="iui/iui.js"></script>
9. </head>
```



Pros and Cons

Pros	Cons
<ul style="list-style-type: none">• No installation; download & unzip• Open source• Visual HTML editor can be used• Single HTML page serves all screens• Page to page very fast	<ul style="list-style-type: none">• HTML/CSS knowledge helpful• Need web server• Creating second site to serve mobile• Initial download the longest



jQuery Mobile



jQuery
mobile framework.



Logistics

- Open source
- Javascript & CSS
- Can use own server or not
- Multiple pages within single HTML file



Desktop to Mobile


Ask A Librarian 

MSU Library (Mobile)

- Search 
- Databases 
- Hours 
- Ask a Librarian 
- About 
- Where 

FIND

Find research materials, including articles, books, databases, journals, and course reserves

SEARCH

SEARCH

CONTACT

out the and meet with search ce, writing tech

News Hours

Tip of the Week: Cash Printing

7/16 Library Workshop: Excel 2010 Basics [Webinar]

7/17 Library Workshop: Social Media: Pinterest

New Databases: Alexander Street Press streaming video

 Home
 Search
 Ask
 Full site

Desktop to Mobile

allrecipes.com Search recipes » video

RECIPE BOX SHOPPING LISTS MY MENUS

Recipe of the Day
Slow Cooker Barbecue Ribs
SUBMITTED BY: SUZANNE2802
Slow cooker barbecue ribs are an easy and del of making barbecue ribs without the barbecue.
PHOTO BY: abapplez

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Costas French Market Doughnuts (Beignets)
These pillowy, powdered sugar-coated donuts are the tastiest way to wak
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Recipe of the Day
Slow Cooker Barbecue Ribs
"Slow cooker barbecue ribs are an easy and delicious way of making barbecue ribs without the barbecue." - by SUZANNE2802
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Pros and Cons

Pros

- No installation
- Can use server, but not necessary
- Open source
- Single HTML page can serve all screens
- Page to page very fast

Cons

- HTML/CSS knowledge necessary
- Creating second site to serve mobile
- Initial download the longest



Responsive Web Design & Media Queries

←

320px 768px 1024px



The diagram shows three vertical panels representing different screen widths. The left panel (320px) shows a single column of content blocks: orange, yellow, blue, blue, blue, and grey. The middle panel (768px) shows the orange block split into two, the yellow block as a single wide block, and the blue blocks as three separate blocks. The right panel (1024px) shows the orange block split into two, the yellow block as a single wide block, and the blue blocks as three separate blocks. The grey blocks at the bottom are also split into three columns.



Logistics

- Method for creating websites
- Progressive enhancement
- Mobile first
- Single site serves desktop and mobile



Desktop to Mobile




Select Language ▼
 >>LOGIN ASK US!

Home Catalog & Account

SEARCH

BLOGS

Free Audiobooks for Teens this Summer!
Staff Blog
Books
06/20/2013 - 1:50pm

Congratulations, Tamora Pierce!
Staff Blog
Books
06/16/2013 - 12:37pm

The Minion
Teen Blog
Books, Create & Connect, Fun
06/14/2013 - 8:03pm

Teen Summer Reading Video by Michael Hoehn, ages 15

Select Language ▼

ASK US!

>>LOGIN

MENU

SEARCH

● Catalog ● Teen Site

ate & Connect Libraries







Pros and Cons

Pros

- Single website serves all devices
- Provides functionality to devices that understand it

Cons

- HTML/CSS knowledge necessary
- Requires web server
- Usually website redesign



Comparisons

	Google Sites	Kurogo	iUI	jQuery	RWD
Cloud-based	Y	N	N	N	N
Require server	N	Y	Y	Y	Y
HTML skills	N	Y	Y/N	Y	Y
Mobile as second site	Y/N	Y	Y	Y	N
Open source	N	Y	Y	Y	N/A
Multiple pages in single file	N	N	Y	Y	N



Survey

For which solution would you like training?

- Google Sites
- Kurogo
- iUI
- jQuery Mobile
- Responsive Web Design & Media Queries



Thank You

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