Who cares about mobile?

- We do. And we should.
Yeah, well, any other graphs?
What about digital collections?

Mobile browser use - specific sites

- Image Collections Online
- Indiana Authors
- Victorian Women Writers Project
- Brevier Legislative Reports
- War of 1812 at Lilly
OK, maybe there are mobile users out there.

- What’s happening at IU for mobile, esp. for digital special collections in the libraries?
- What kind of options are there for making stuff mobile?
- Are there ways to test for mobile access?
- (if time) Do you know any good poems about mobile access?
- Follow along: http://juliehardesty.com/mmm
Mobile Options

- Mobile version of web site
  - m.domain or domain/mobile
  - CNN
  - IU Mobile
  - IUB Libraries Mobile

- Responsive design
  - About.com
  - A List Apart (example)
  - IU Communications

- Mobile-optimized: CSS media query
Indiana Authors and Their Books

Search within this document:

[Show Table of Contents]

A Girl of The Limberlost.
Stratton–Porter, Gene,
1863–1924
[Add to My Selections]

[Show Document Information]
Victorian Women Writers Project

[Show Table of Contents]

The Mighty Atom. Corelli, Marie, 1855–1924. [Add to My Selections]

[Show Document Information]
War of 1812 in the Collections of the Lilly Library

Before the War

A BLOODY BATTLE

Between the United States Troops, under the command of Gen. Harrison, and several tribes of Indians, near the Prophet's town, Nov. 7th, 1813.

Edward: An American Soldier.

He was wounded by the enemy, and his clothes were torn. He died of his wounds on the 8th of November.

O UR brave hero, Chief of our brave soldiers, was shot by the enemy and his clothes were torn. He died of his wounds on the 8th of November.
CSS media query: Under the hood

- **The viewport**
  - `<meta name="viewport" content="width=320, initial-scale=1.0, user-scalable=yes"/>

- **The media query inside CSS**
  - `@media only screen and (max-device-width: 480px)

- **The media query inside HTML**
  - `<link type="text/css" rel="stylesheet" media="only screen and (max-device-width: 480px)" href="small_device.css" />

- **List of mobile and tablet viewport sizes with screen DPI and size** (December 2012, i-Skool)
Testing Mobile

- You can pick your friends or you can pick your phones...
  - Testing actual devices with actual users always best

- Emulators
  - Still pretty unreliable in my experience
  - Opera Mobile Emulator (desktop application)
  - Mobile phone emulator from Pixmobi
  - Screenfly

- Include mobile CSS without media query
Mobile-optimized considerations

- **Text-based content:** Think e-reader
  - Enlarge text
  - Maintain Table of Contents but make it easy to ignore
  - Overlays and page images not useful

- **Image-based content:** Images above all else
  - Position facets/navigation below visual content
  - Consider thumbnail size for viewing on mobile devices
    - 200px width minimum

- **What do people want to do?**
Mobile design practices for digital special collections

- Examples
  - http://purl.dlib.indiana.edu/iudl/vwwp/VAB7399
  - http://purl.dlib.indiana.edu/iudl/inauthors/VAA2376

- Keep global navigation and global search

- Header/branding maintained in smaller images

- Collapsible sections for flexible viewing (TOC)

- Stack submenus (navigation above, facets below)
  - Use CSS to stack: width:auto; float:none;

- Hide functionality that isn’t convenient on mobile
  - Simile timeline
  - Advanced Search form with multiple fields
Mobile Musings

- Making Mobile Meaningful
  - Poster pitch at Digital Library Federation Fall Forum 2012, Denver, Colorado, November 4-5, 2012

Thank you!
Questions? Comments!
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