Good Things Come in Small Packages

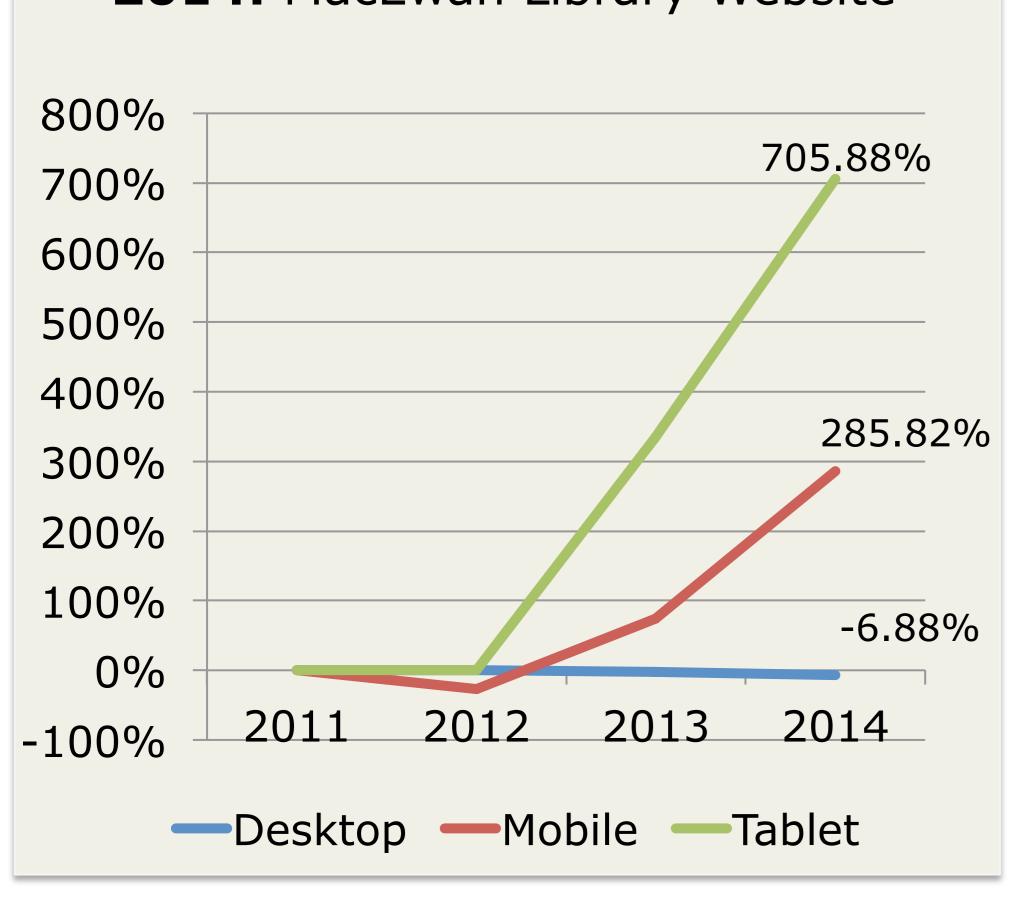
MOBILE-READY RESPONSIVE DESIGN AT MACEWAN UNIVERSITY SONYA BETZ, WEB AND USER EXPERIENCE LIBRARIAN

Why is mobile-ready responsive design important?

Where are our users?

- Mobile broadband subscriptions reached 2.3 billion worldwide in 2013¹
- Desktops and laptops are still very common, and tablets are the fastest growing market.²
- Users may be interacting with our online space with multiple devices in a single day.

% Growth in Site Visits: 2011 – 2014: MacEwan Library Website



1. International Telecommunication Union. (2014). The world in 2014: ICT facts and figures. Retrieved from http://www.itu.int/en/ITU-D/Statistics/Documents/facts/ICTFactsFigures2014-e.pdf 2. Gartner, Inc. (2014, Mar. 27). Gartner says worldwide traditional

 Gartner, Inc. (2014, Mar. 27). Gartner says worldwide traditional PC, tablet, ultramobile and mobile phone Shipments are on pace to grow 6.9 percent in 2014. Retrieved from http:// www.gartner.com/newsroom/id/2692318

How can we provide services and resources to multiple devices?

Apps are fast, powerful, and integrate seamlessly with devices. But development for multiple platforms was too expensive and difficult for us to maintain. We turned to Responsive Web Design for a solution to these issues.

"Responsive web design (RWD) is a web development approach that creates dynamic changes to the appearance of a website, depending on the screen size and orientation of the device being used to view it." ³

RWD ensures that users can access online library services and resources from all devices, and the interface remains consistent and predictable. Time and costs for maintenance can be significantly reduced and accessibility improved.

3. Schade, A. (2014, May 4). Responsive web design [RWD] and user experience. Retrieved from http://www.nngroup.com/articles/responsive-web-design-definition/

How can we improve the user experience across environments?

Prior to redesign, how many interfaces did students need to navigate in order to ...

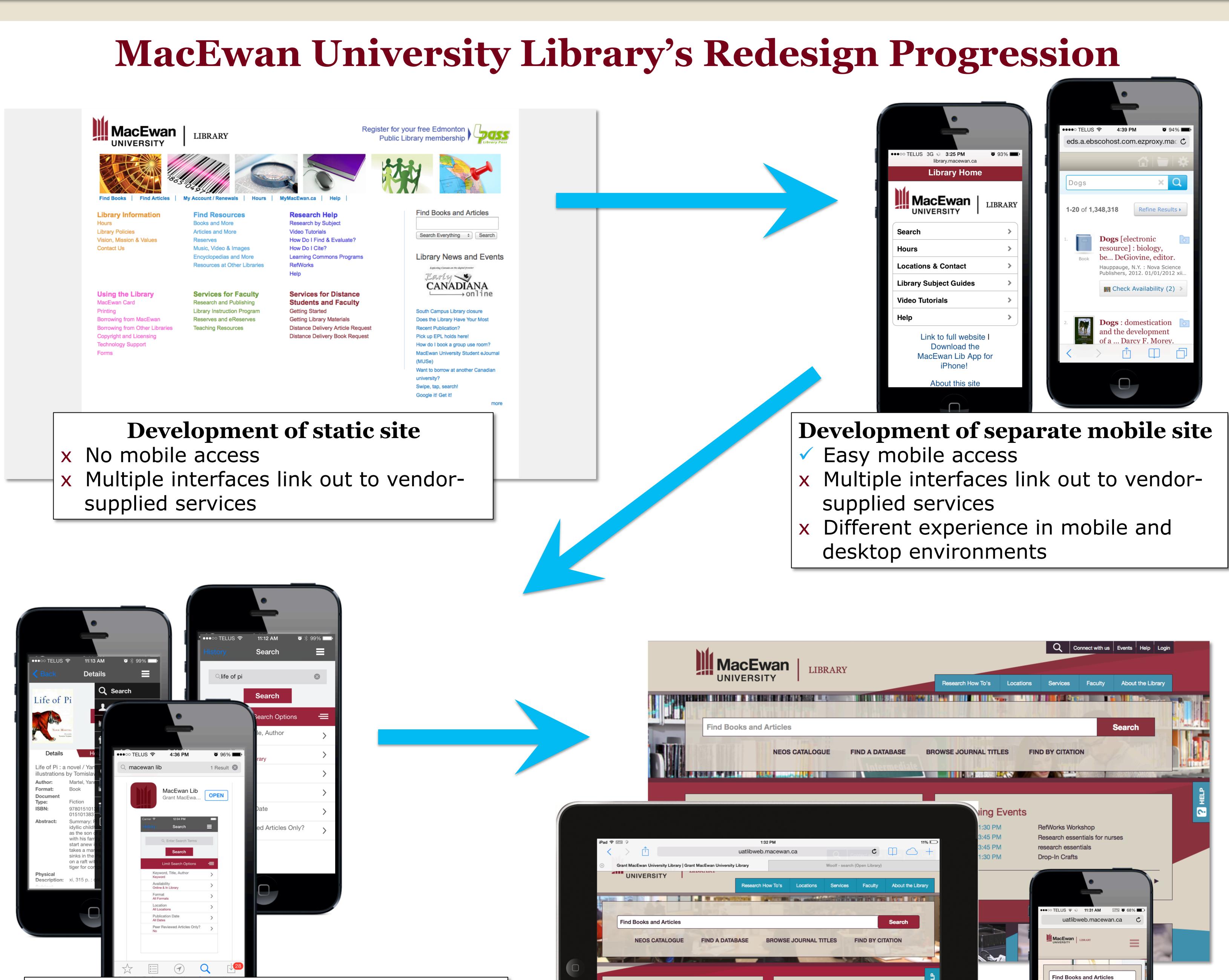
...place a hold on a book?

...view
a PDF
article?

...request an interlibrary loan?

...read a research guide?

- Reducing the number of complex interfaces users have to interact with to complete a task reduces confusion.
- Integration with vendors' APIs and Web services, or developing our own, ensures that we can provide a consistent and intuitive environment across all platforms.



Today's Hours

interface

Centre for the Arts &

Accessible from all devices

Communications

Upcoming Events

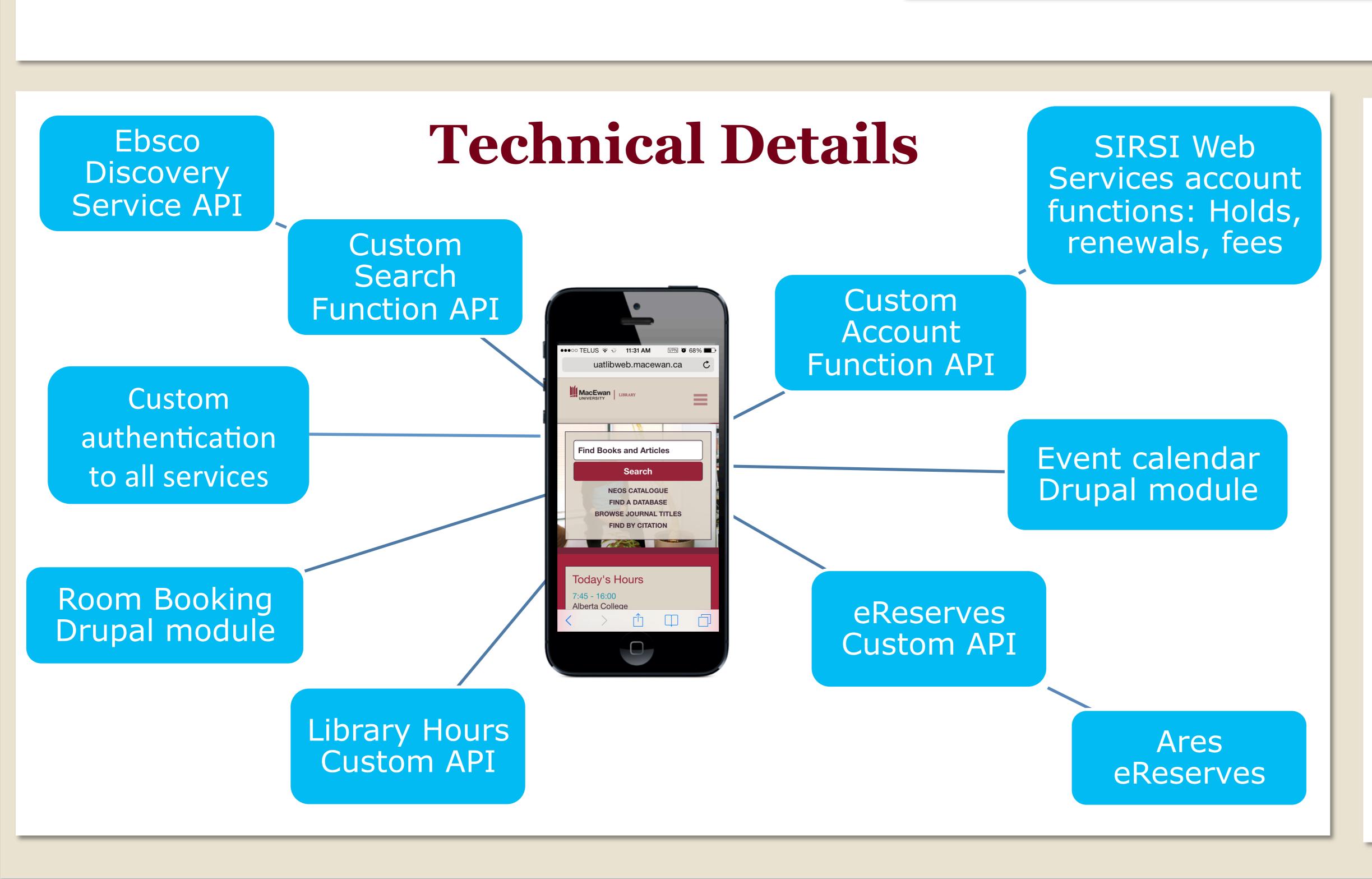
Development of responsive web environment

Integrates several vendor services in single

Research essentials for

6/05/14 3:45 PM

Same experience across all devices



Issues

Search

NEOS CATALOGUE FIND A DATABASE

BROWSE JOURNAL TITLES

- Impractical to integrate all vendor-supplied services
- Requires high levels of technical knowledge and support to maintain
- Complexity of systems creates multiple interdependencies for future development
- Time consuming

But ...

- We gain interface independence and control, and
 - Dramatically improve the user experience



Development of "MacEwan Lib" iOS app

Different experience in mobile and desktop

Integrates vendor services in single

Only accessible on iOS devices

interface

environments

LIBRARY