



# Using the Primo webservice in a mobile app

Carmel Carlsen

Never Stand Still

UNSW Library

# UNSW

- 52,284 students: 15,506 post graduates, 14,199 international students
- 7,373 staff: 2,875 academics, 2,498 professional
- 3 campuses
- 300,000 e-books, 900,000 print books
- 88,250 online journals, <1,200 active print
- 5,000,000 Primo searches in 2012



# Overview

- Disclaimer
- Structure
  - Background and context
    - SMS
    - Main and Law library building app (developed for us by abuzz)
    - Library app (developed for us by Boopsie)
      - Looking forward (the wish list)
      - Statistics
  - Wrap up

# Background and context

- SMS
- Directory app for the Main and Law libraries
- Library services app (inspired by the library website)

# SMS notices

The screenshot shows a mobile browser view of the UNSW Library website. The address bar shows the URL: `primoa.library.unsw.edu.au/primo_library/libweb/action/myAccountMenu.d`. The page header includes the UNSW Australia logo and navigation links for 'Opening hours', 'myLibrary', 'Room bookings', and 'Pay online'. A main navigation bar contains links for 'Home', 'Search tools', 'How do I find', 'Borrowing', 'About your Library', 'Services for', and 'Contact us'. Below this, a user profile for 'Carmel Carlsen' is visible with options for 'Sign out', 'myLibrary', and 'e-Shelf'. A search bar is present with a 'Search' button and a link to 'Advanced Search'. The 'myLibrary' tab is selected in the sub-navigation. The main content area is titled 'Personal Settings' and displays the following information:

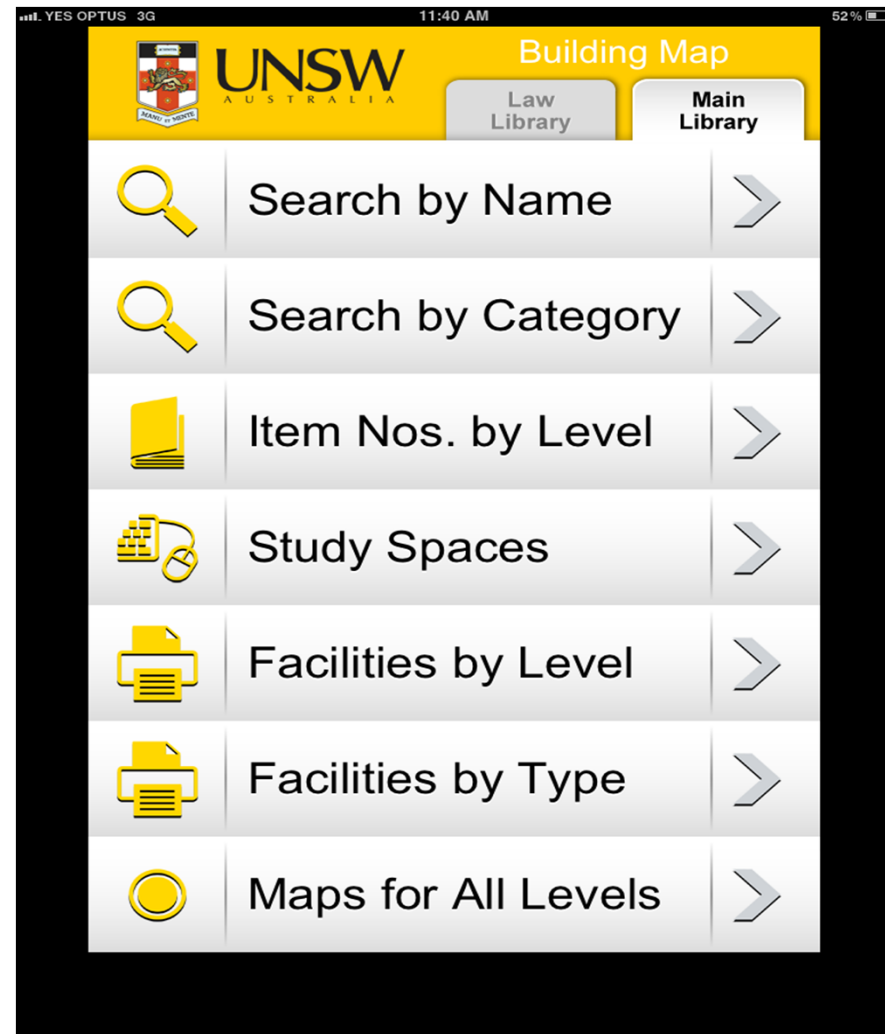
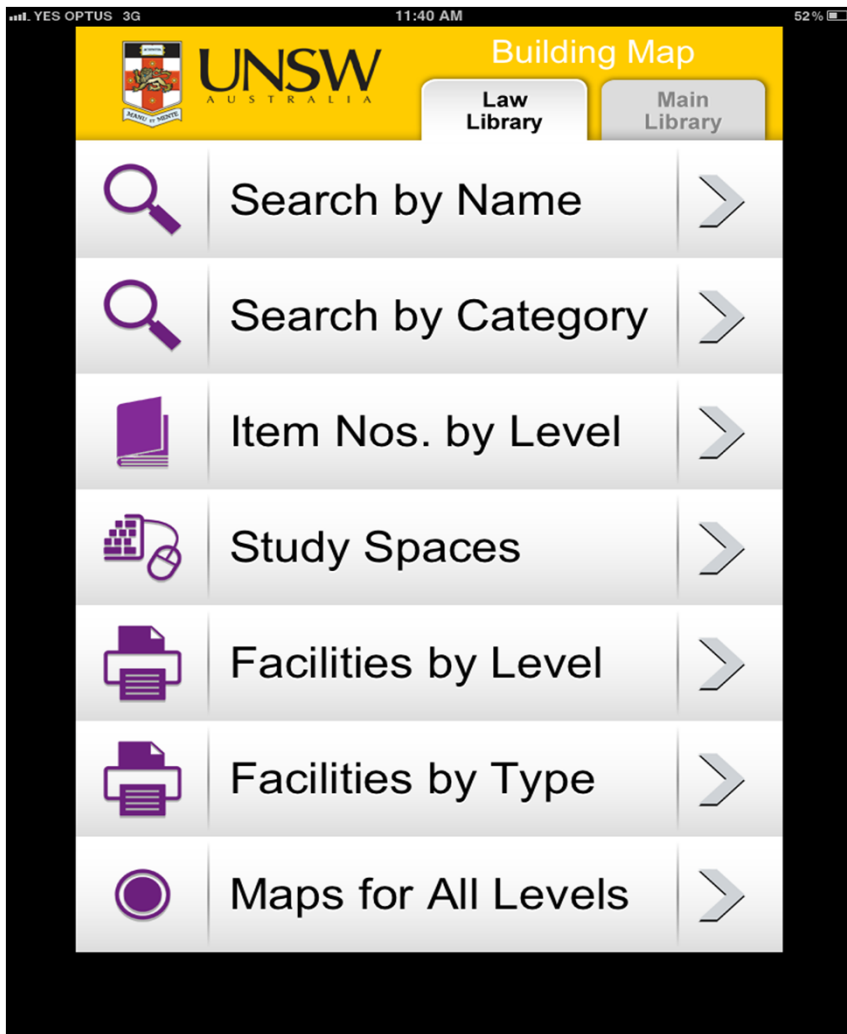
SMS Number:	0421020773
My e-mail:	s8403268@unsw.edu.au
SMS Notifications Opt In:	Y

Below the settings is an 'Edit Details' link. To the right, there is a 'Display Settings' box with 'Number of results per page' set to 10 and a 'Save' button. At the bottom right, a 'Personalize your results' box shows 'Degree: Undergraduate' and 'Discipline: Library & Information Science' with an 'Edit' link.

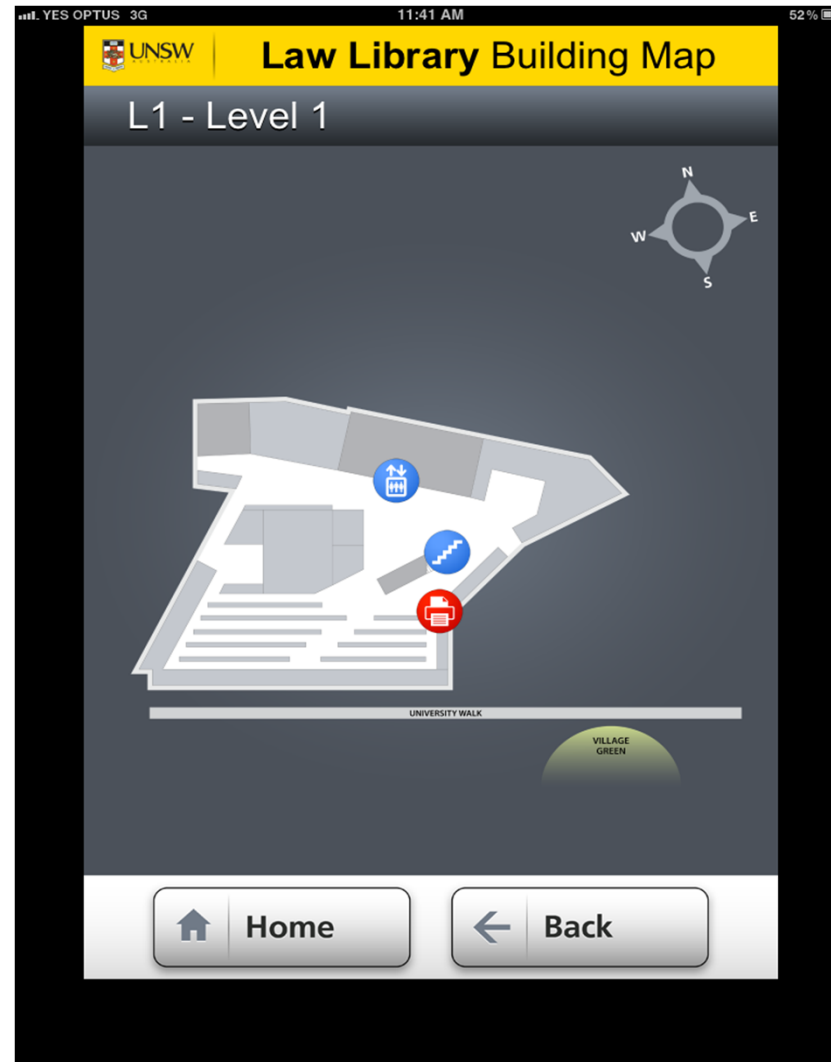
# SMS notices

The screenshot shows a mobile browser interface for the UNSW Library website. The address bar displays the URL: `primoa.library.unsw.edu.au/primo_library/libweb/action/personalSettings.d`. The page title is "Library". The user is logged in as "Carmel Carlsen". The main navigation menu includes: Home, Search tools, How do I find, Borrowing, About your Library, Services for, and Contact us. The secondary navigation includes: Find Databases, A-Z e-Journals, UNSWorks, ILL Request, Search CAVAL, and Help. The user's current location is "myLibrary". The left sidebar menu includes: Loans (0), Requests (0), Fines/Payments, Blocks & Messages, and Personal Settings (selected). The main content area is titled "Update Personal Details" and shows "SMS Notifications for - Carlsen Carmel Bernadette". The current status is "Currently receiving SMS notifications". There is a dropdown menu for "Enable SMS notifications" with the value "Y" selected. Below this is an "Accept" button. A text block states: "By clicking 'Accept' you acknowledge that you have read and agree to the [SMS TERMS OF SERVICE](#)". A "Tips" box on the right explains the dropdown options: "Y = yes (subscribe)" and "N = no (unsubscribe)", and reminds the user to click the "Accept" button. The footer of the page contains the copyright notice: "© 2009 Ex Libris".

# Mobile Directory <http://m.library.unsw.edu.au/locate>

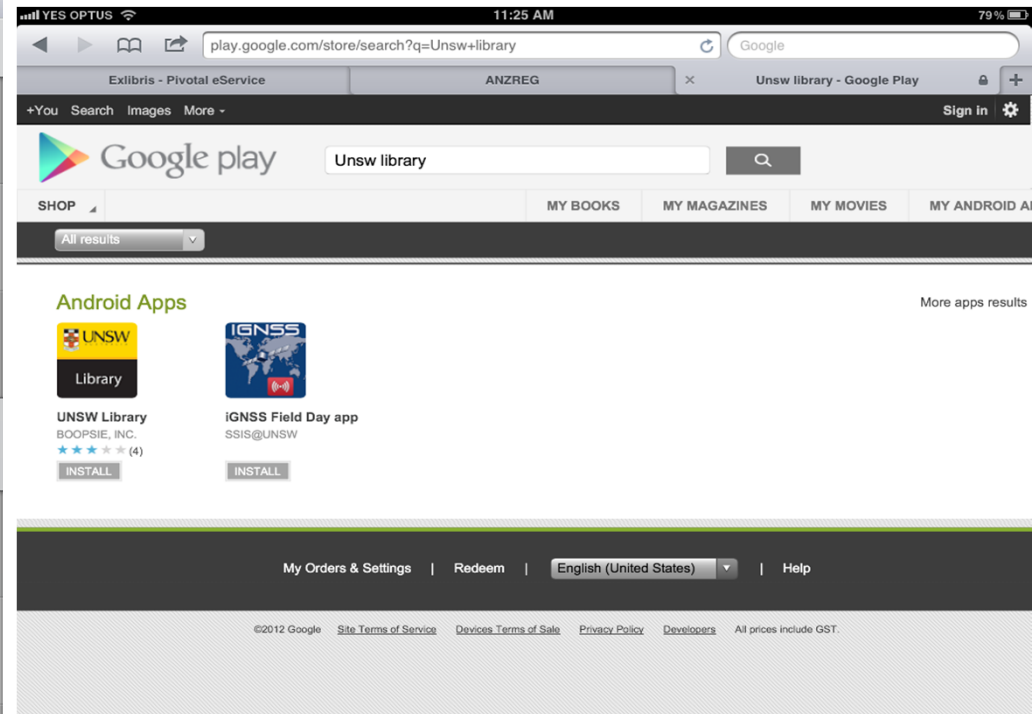
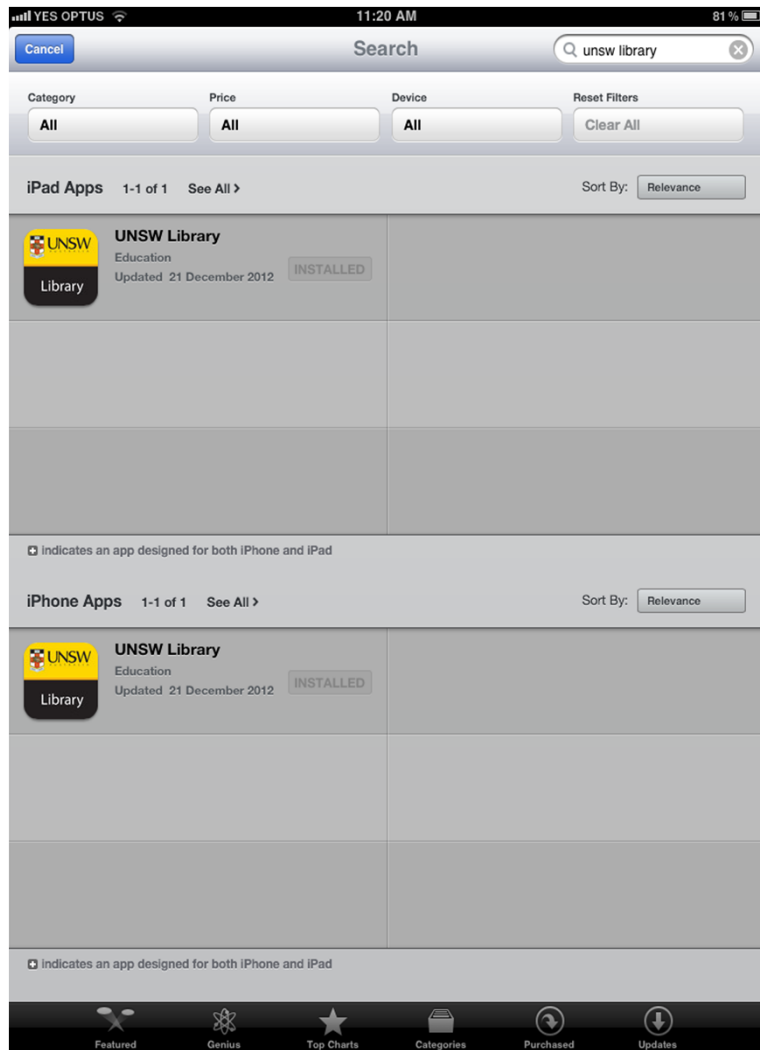


# Mobile Directory <http://m.library.unsw.edu.au/locate>

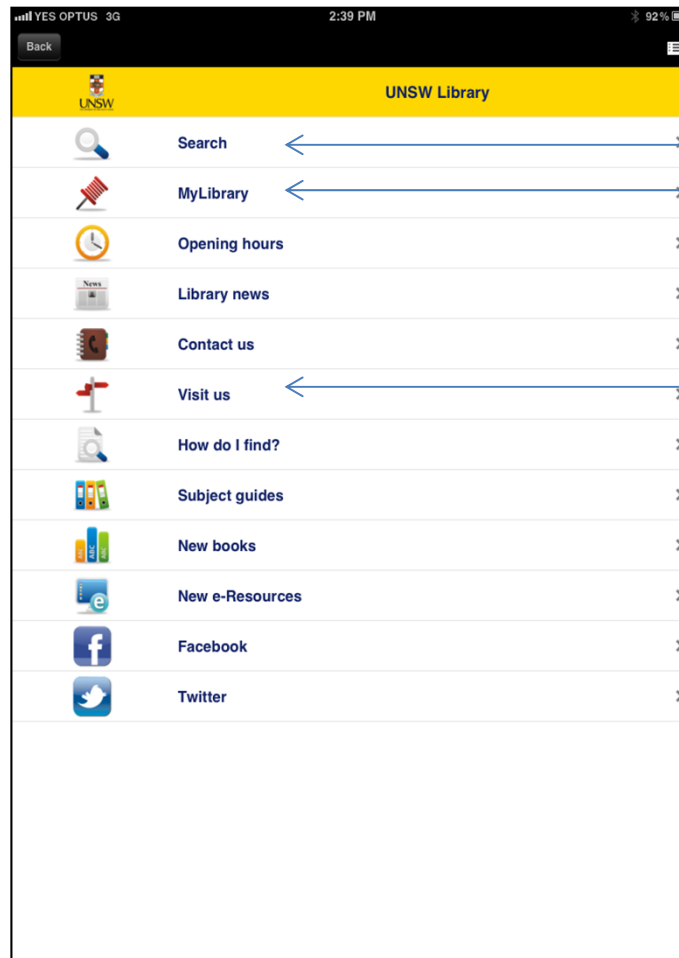




# Library app



# Library app

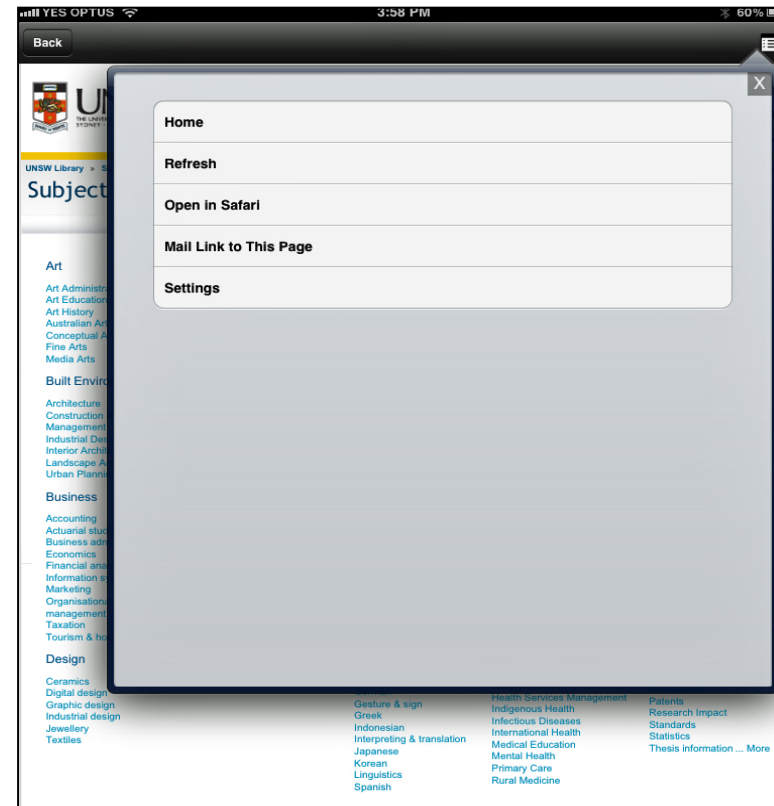
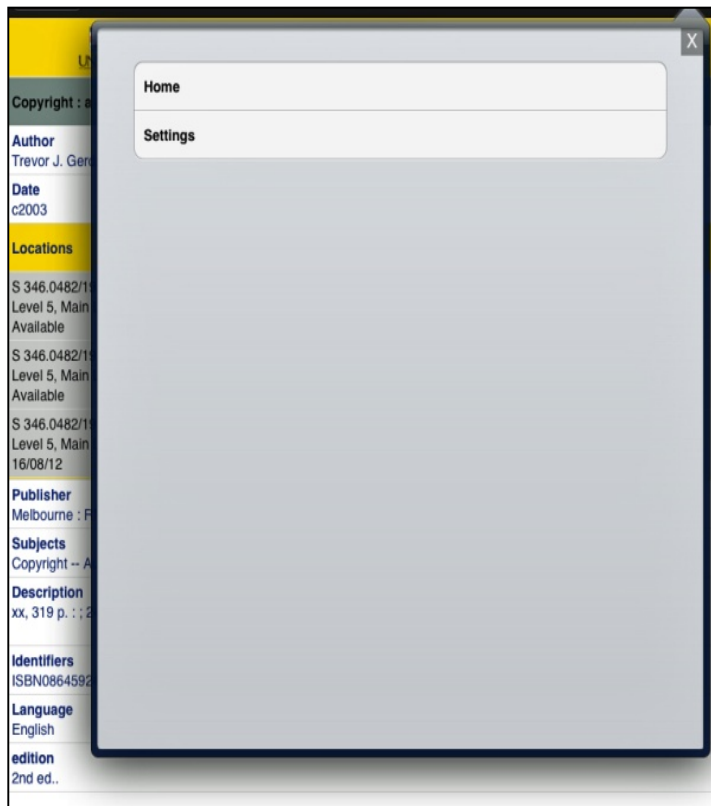


Primo search is available here

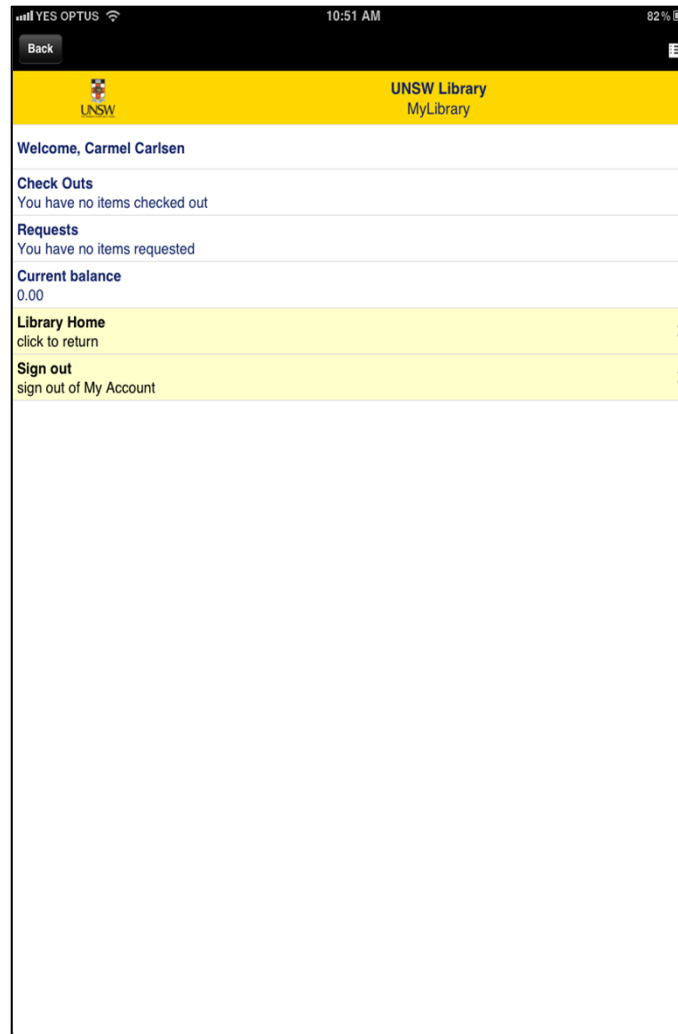
Access to My Account (myLibrary) available here

Library Directory app is available via here

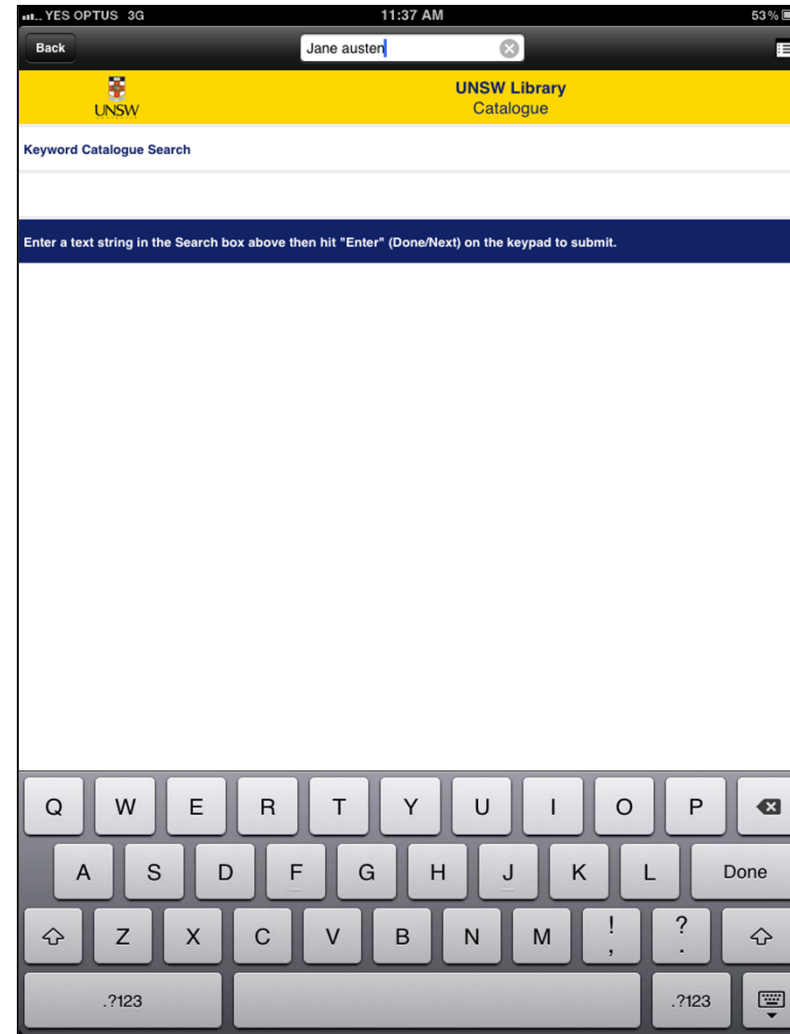
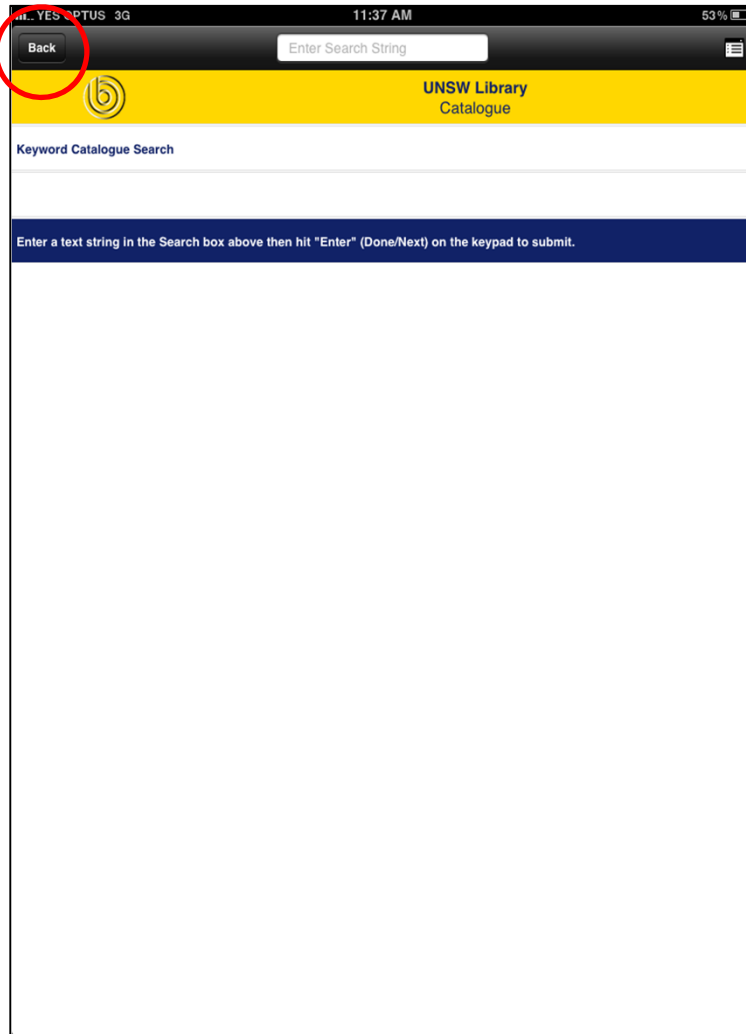
# Library app



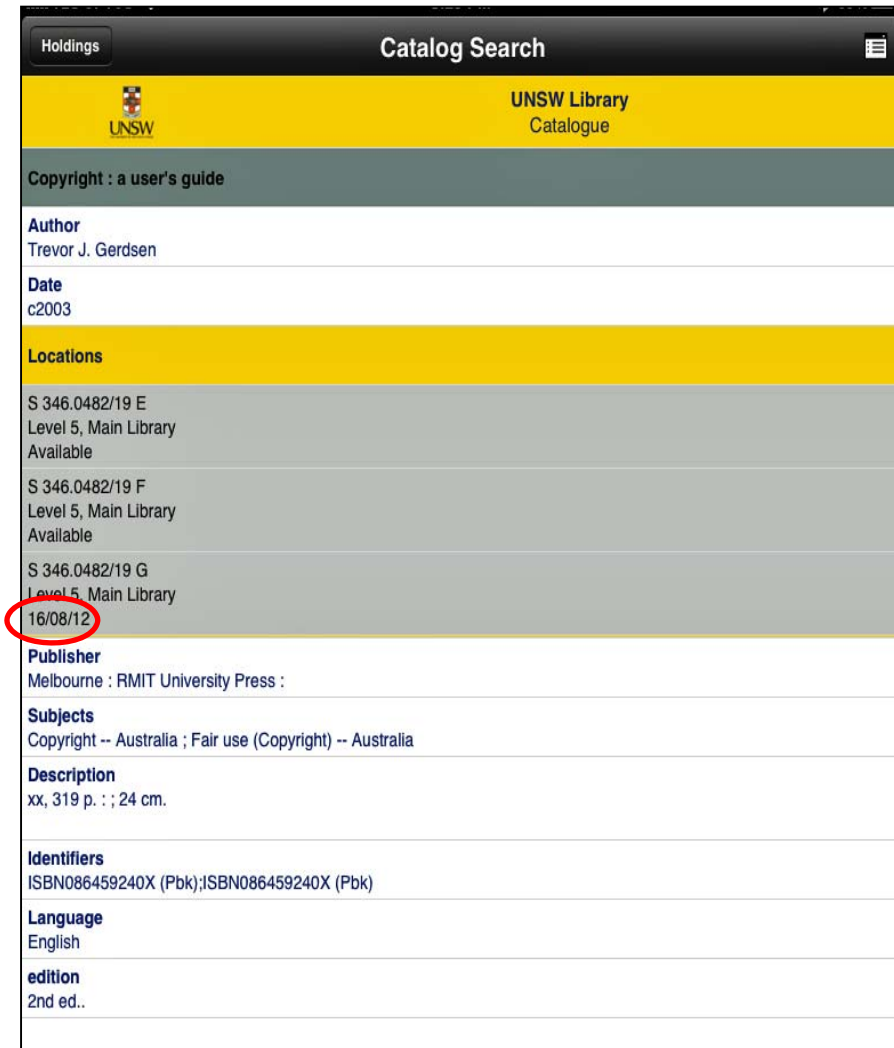
# Library app – myLibrary (My Account)



# Library app – Primo Search



# Library app – Primo Search



# Library app – technical side

- The request parameter s
  - `<pc_availability_ind> true`: to remove “No full-text” records from PCI
  - `<institution=UNSW>`: requirement after 3.1.2
  - `<uic:Location type= "adaptor" value= 'primo_central_multiple_fe' />`: used to ensure that the entire search scope was use  
Note: this returns less results than the Primo FE
- Logic for ‘availability’  
if all `<sear:GETIT>` links are "physical item", then show the detail page  
else, look for `<sear:LINKS>` to find the first `<sear:linktorsrc>`, or first `<sear:openurlfulltext>`, or first `<sear:openurl>`  
else show the detail page
- Relevance sorting = **blank**: if not null, results are not as expected
- Use **dedupmrgXXXXXXXXXX** as the **docid**: to display items in more than one library

# Library app – technical side

- Boopsie work arounds
  - Apple insists that URLs be RFC2396 compliant and did not like :, < **and** > in the Primo URLs.  
*Boopsie converted non compliant URLs to solve the problem*
  - Inconsistency in the use of & as html (**&amp;**) from Ex Libris applications  
*Boopsie decoding &amp;*  
e.g. Changing

[http://sfxuat.library.unsw.edu.au:1801/webclient/DeliveryManager?pid=84364&amp;custom\\_att\\_2=simple\\_viewer&amp;search\\_terms=&amp;pds\\_handle=](http://sfxuat.library.unsw.edu.au:1801/webclient/DeliveryManager?pid=84364&amp;custom_att_2=simple_viewer&amp;search_terms=&amp;pds_handle=)

to

[http://sfxuat.library.unsw.edu.au:1801/webclient/DeliveryManager?pid=84364&custom\\_att\\_2=simple\\_viewer&search\\_terms=&pds\\_handle=](http://sfxuat.library.unsw.edu.au:1801/webclient/DeliveryManager?pid=84364&custom_att_2=simple_viewer&search_terms=&pds_handle=)



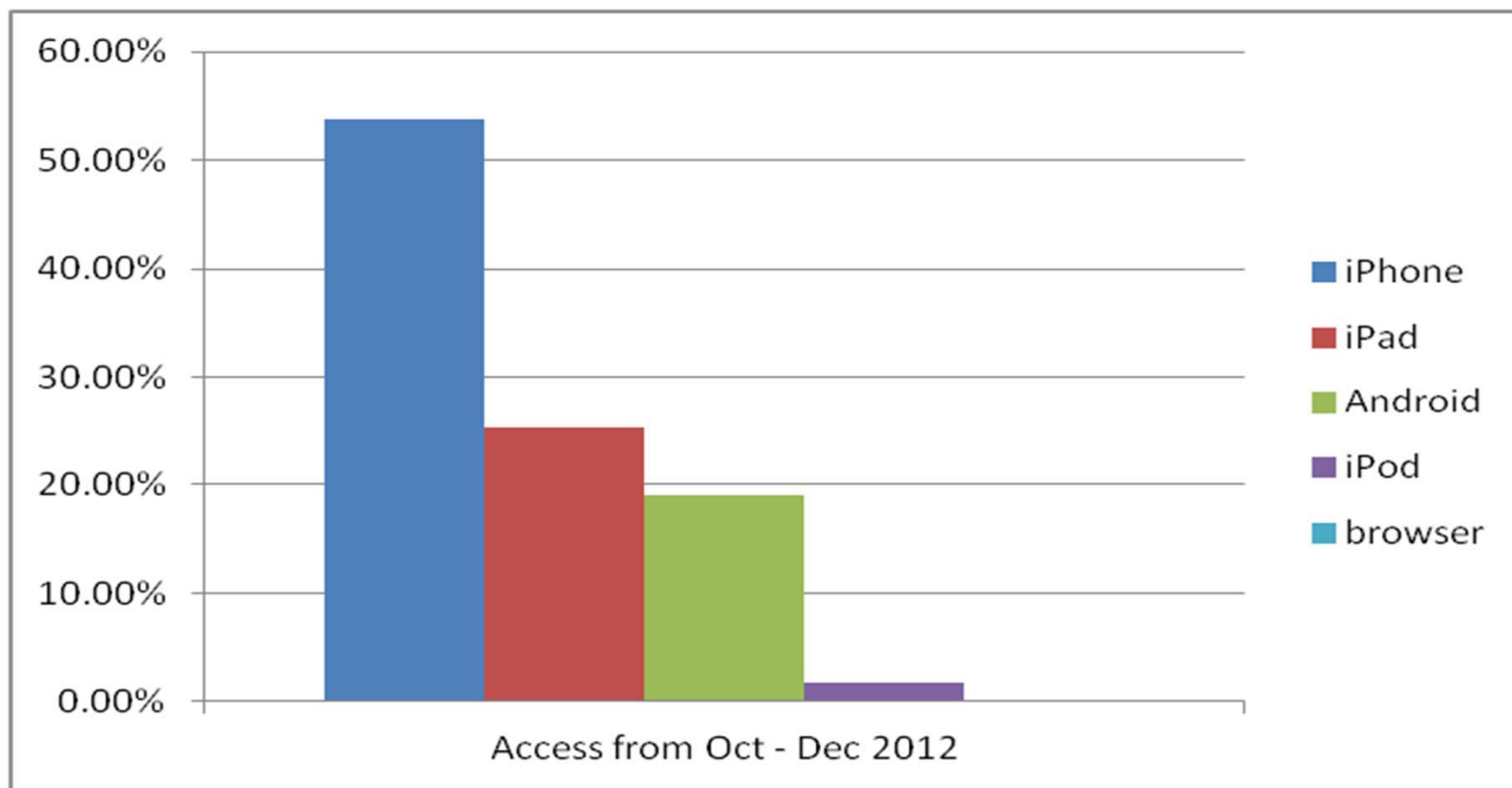
# Library app – related work

- EZproxy
  - Device detector had to be added
- SFX
  - It would have been nice to have been able to add device detector to SFX

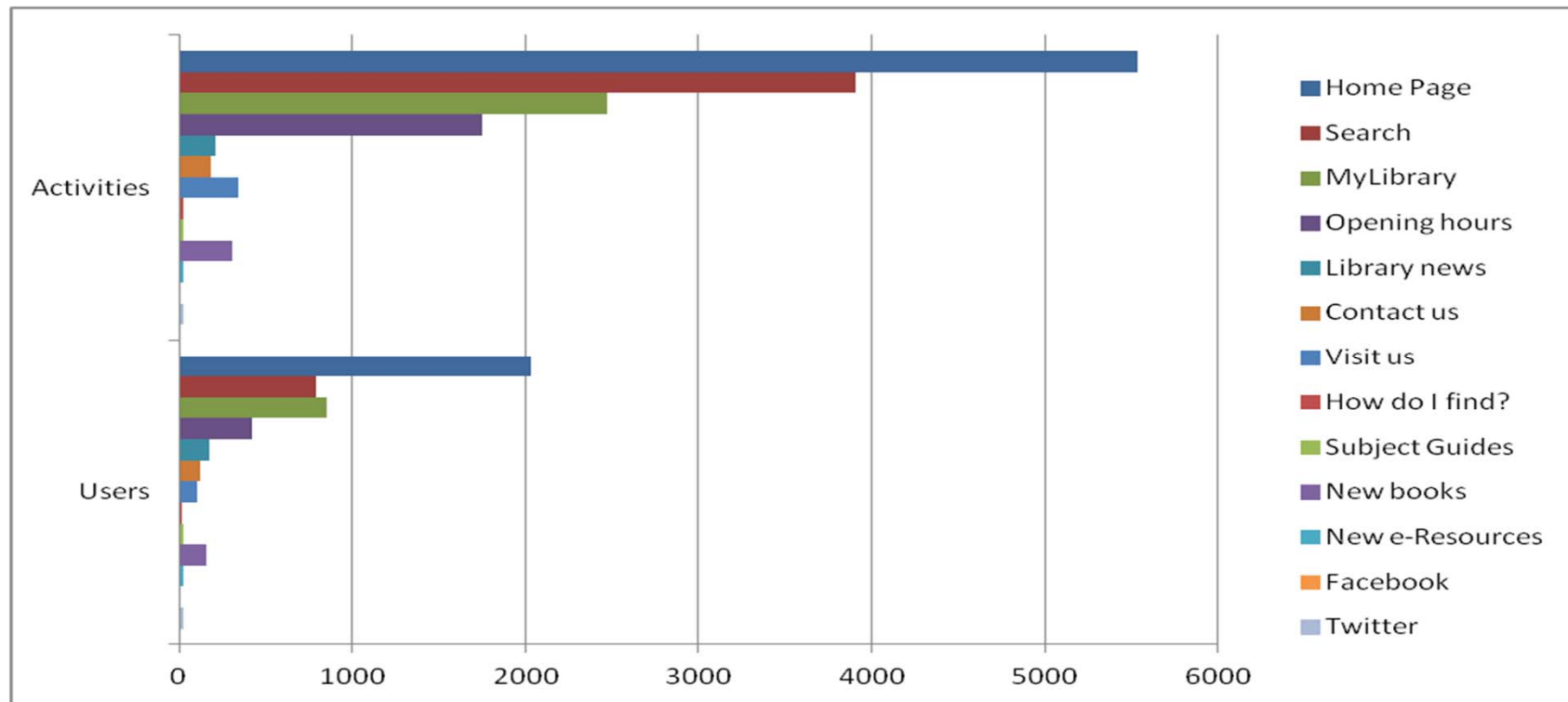
# Library app – wish list

- Fix FRBR
- Add the ability to Request an item from the Full display
- Add Primo e-Shelf to myLibrary
- Display the item Loan status (more than just the date – put it in context)
- Ability to renew a loan
- Link from full view (physical item) to map (library location)
- High level filtering of search results
  - In the Library
  - Online
  - Books
  - Articles

# Library app – access by device type



# Library app – users and activity



# Questions?

# Thank you