MADE WITH,
PLAYED WITH,
REMADE.
Australia’s first cultural-heritage innovation lab that supports new ways of design thinking, experimentation and research in digital experiences.
WHY does a library need a lab?
'only a few Australian GLAM organisations have made fundamental changes to their planning, structures and operations to place innovation & digital services at the core rather than as add-on activities'

Innovation Study: Challenges and Opportunities for Australia’s Galleries, Libraries, Archives and Museums
Here to change the way our **audiences** think about what a library can do in the 21st century
MADE WITH,
PLAYED WITH,
REMADE.

Place for experimentation, research and collaboration
7 million+ digitised items
Push boundaries: design thinking
We want users to be inspired to research, use, adapt and create with these collections.

#madewithslnsw
How?
access  beauty  collaborative
appeals  available
beauty  cross  current  cutting  designed  diversity
communities  curious  (1)  (1)  (1)  (1)
easier  edge  entry  experiment  experimental  fun
honesty  (1)  (1)
inclusive  (2)
library  (1)  making  (1)  memorable  (1)  multi-lingual
open  (1)  openness  (1)  outward  (1)  people  play
stuff  (1)  (1)  (1)  (1)  (1)  (1)
questions  (1)  regional  (1)
openness  (1)  outward  (1)  people  (1)  play
stuff  (1)  (1)  (1)  (1)  (1)  (1)
Audience first: do it because it matters not because it’s shiny

Design creatively: with data and partners

Don’t over bake: audiences need to connect through simple + meaningful experiences

Innovate: be sure to push the boundaries

Iterate: if something is already built, just improve on it.

Constant prototyping: leave room for others to finish and build upon our experiences
Skills
**BUSINESS CONTEXT**

- State Library/DXlaw
- The Railway Extension 4th sprint
- 870 Railway Extension map
- Sydney
- Part of an exhibition at State Library 2017 experiment that may eventuate into future project
- Needs to use the map
- Proposed but not implemented
- Used resource that shows NSW(SL)
- Part of a campaign
- (Could grow in future)
- Kick start sprint
- Holders (curators from State)
- Restricted budget

**PURPOSE/GOALS**

- **IDEA FOR USE OF MAP FOR A PUBLIC EXPERIENCE**
  - Not sure how large scale and what kind
  - **WEB EXPERIENCE**?
  - To deliver prototype by September?
  - Ability to grow from prototype
  - Needs to be worked sharing on their blog/social (CC BY-NC)
  - To visualise places data or where story
  - PUT: Initial user experience is defined, resources, future, plan forward (S7)

**PLATFORM/APPROACH**

- Diagram: [Diagram]
- 2 user stories
- CPE02: DAL and Bit
- wetmap?
- State Library will publish code
- Exposure - 2 team to press and being included
- Workshop gauges: 2 week limit

**CRITICAL BEHAVIOURS**

- [List of critical behaviours]

**OPEN ISSUES**

- Is mobile necessary?
- Who is the audience?
- What is primary?
  
**DONENESS**

- A web experience using the railway map idea
- Sharing of code is in lab
Experiments
EVERY STORY HAS A THREAD.

Weave through collections, traverse the relationships and explore the data.

An experiment with the State Library of NSW
Item by item
one-to-one relationship
return
Little white box

About the Catalogue

This catalogue contains records of the manuscripts, oral history and pictures collections of the Mitchell Library, Sir William Dixson Library and Dixson Galleries.

This new version of the catalogue contains additional content which has been transferred from paper based collection guides and contents lists that have previously only been available in the Mitchell Library Reading Room.

The inclusion of this additional rich content and the development of this new catalogue has been possible through the support of the NSW Government through the eRecords project. Published material including maps can be found in the State Library’s Catalogue for published material.

Members of Aboriginal, Torres Strait Islander and Māori communities are advised that records may contain names and images of deceased people.

All users of the catalogue should also be aware that certain words, terms or descriptions may be culturally sensitive and may be considered inappropriate today, but may have reflected the author's/creator's attitude or that of the period in which they were written.
DATA

TOTAL IMAGES IN LOOM
3,287

TOTAL TAGS IN LOOM
1,396

TOTAL DIGITISED IMAGES OF THE SYDNEY AREA IN THE LIBRARY
14,664

TOTAL IMAGES AVAILABLE OF THE SYDNEY AREA IN THE LIBRARY ONLY
1,145
Search For: circular quay

Select:
- Keywords
- All

Record Type:
- Records with images
- Records without images

Sort by: Relevancy

Search
“Locally contextualised information, showing me how to use it, whilst inspiring possibility”
View of entire collection from space. User can pan, zoom and rotate around the space.

Larger particle = more records total
Empty particle = no records in Loom
What we learnt.

Broad perspective of collection
Lenses help us view and access items differently.
Sketch in code. Design and Development. Shift in relationship
Importance of consistency and structure within metadata
Scale is vital in decision making for an archive.
Digitization now needs to shift to contextualization.
Catering to curious users can open up collection.
MAIN STREET
PRIVATE FIRE THROUGH FOUR YESTERDAY BEEN TOWN HOTEL BROKE SEVERAL MORNING TUESDAY LITHDOW

COURT POLICE THERE YESTERDAY SATURDAY BEING COHEN HAVE FINED LAST LOCAL HORSE BOLAND
didn’t expect...
DX Lab fellowship
1942

[Australia: food supply]

[The Australian Army Medical Women's Service in Northern Australia]

[Army training, North Western Australia]

[U.S. Army in Australia]
#digitaldropin

#dxlab
<table>
<thead>
<tr>
<th>Location Description</th>
<th>Place Name 1</th>
<th>Place Name 2</th>
<th>Place Description</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Koojah</td>
<td>Coogee</td>
<td>Beach; Suburb</td>
<td>-33.92083</td>
<td>151.25861</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Merooberah</td>
<td>Maroubra</td>
<td>Beach; Suburb</td>
<td>-33.9496</td>
<td>151.2578</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Bunnabee</td>
<td>North Botany Head (Near La Perouse)</td>
<td>Headland</td>
<td>-33.9901</td>
<td>151.2446</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Givea</td>
<td>South Botany Head (Near Kurnell)</td>
<td>Headland</td>
<td>-34.0244</td>
<td>151.2123</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Kundul</td>
<td>Captain Cook's Landing Point (in current day Kurnell)</td>
<td>Historical Site</td>
<td>-34.00466</td>
<td>151.21697</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Goonamarra</td>
<td>Cronulla</td>
<td>Beach; Suburb</td>
<td>-34.05534</td>
<td>151.15579</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Bulla</td>
<td>Bulli</td>
<td>Suburb</td>
<td>-34.3329</td>
<td>150.9125</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Elowera</td>
<td>Illawarra</td>
<td>Region</td>
<td>-34.5227</td>
<td>150.8413</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Woolyungah</td>
<td>Wollongong</td>
<td>City</td>
<td>-34.425</td>
<td>150.8945</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Kiare mia</td>
<td>Kiama</td>
<td>Town</td>
<td>-34.6719</td>
<td>150.8553</td>
</tr>
<tr>
<td>Dharawal, Dharug?, Eora?, Guringay?, Worimi?</td>
<td>Moona</td>
<td>Name for inside of Jervis bay</td>
<td>Bay</td>
<td>-34.9861</td>
<td>150.7104</td>
</tr>
</tbody>
</table>
one week later...
The Anthropological Society of Australasia Survey

This is Box 4 of MLMSS 7603 / Boxes 4-5: Survey forms and correspondence received by the Royal Anthropological Society of Australasia regarding Aboriginal place names, 1899-1903. Floating pages have transcribed placenames.

Folder 1

Page 1

Page 1 is a survey form. The page is dated Nov 1899 {?}.

We have located the following placenames:

1. Boondi (Bondi): Noise made by sea wave breaking on beach
2. Keojah (Cooge): Bad smell, caused by the decay of large quantities of seaweed washed ashore
3. Merooberah (Maroubra): The beach was named after the tribe that inhabited the particular place
4. Bunnabee (North Botany Head)
5. Givea (South Botany Head)
6. Kundul (Captain Cook's Landing Point)
7. Goonamarrra (Cronulla)
8. Bullia (Bulli): Two mountains
9. Bellambi
10. Dapto (Dapto)
11. Elowera (Illawarra): Pleasant place
12. Woolyungah (Wollongong): Five islands
13. Kiare mia (Kiama): Fish may be caught from the rock
14. Minna-murra (Minnamurra): Plenty of Fish
15. Gerringong
16. Cooloongatta (Coolangatta): The highest land (a lookout)
17. Moona (Jervis Bay): Plenty
18. Boodere (Booderie)
The Anthropological Society of Australasia Survey

This is Box 4 of MLMSS 7603 / Boxes 4-5: Survey forms and correspondence received by the Royal Anthropological Society of Australasia regarding Aboriginal place names, 1899-1903. Floating pages have transcribed placenames.

Folder 1

Folder 2

Folder 3
Humphry Repton (1772-1818) was a leading landscape designer who refined the concept of the landscape garden and is regarded as the greatest English landscape designer to follow ‘Capability’ Brown. Repton produced finely illustrated books featuring watercolours and aquatints on hinged flaps to show ‘before’ and ‘after’ views. These manuscript volumes, bound in red morocco became known as ‘Red Books’, and were produced to sell his landscape ideas to prospective clients. Repton produced over 400 Red Books for various clients. *Sketches and Hints on Landscape*
A request has been placed for the Item below. Please retrieve this item and deliver it to the State Library.

AUTHOR: MacKenzie, Jeanne.
TITLE: Australian paradox
IMPRINT: London : MacGibbon & Kee,
PUB DATE: 1962.
DESC: 239 p. ; 22 cm.
CALL NO: 980.1/82B1
VOLUME: 
BARCODE: 1942969
STATUS: REQUEST ITEM
REC NO: i2057520
LOCATION: Mitchell Library - Onsite Storage
PICKUP AT: Special Collections
OPACMSG: 
STACK REQUEST SLIP

Complete this form and take it to the desk

Year, volume etc.

Call / Location number (please print clearly)

Author

Title of item

Signature

Library card number

Use this slip for items without an online request

ITEM COPY

Location, Special Collections, Mitchell Library Reading Room

Location, Governor Marie Bashir Reading Room, Lower Ground 2
JOURNEYS

2016-04-28 11:27:59: started journey a843 (length: 60s)

2016-03-04 12:59:32: started journey 5 (7s) [21s]

2016-03-04 12:54:12: started journey 2159 (length: 33s)

2016-03-04 12:44:57: started journey bd15 (length: 62s)

2016-03-03 14:47:58: started journey 58eb (length: 62s)
```json
{
  "fda3a3ae61a564f8a0df724a2ea843": {
    "20160428112759": "started",
    "20160428112813": "at location 3",
    "20160428112820": "at location 5",
    "20160428112822": "at location 7",
    "20160428112826": "found 658765",
    "20160428112831": "at location 9",
    "20160428112835": "at location 11",
    "20160428112837": "found 76876",
    "20160428112842": "at location 13",
    "20160428112845": "at location 15",
    "20160428112846": "delivered 658765",
    "20160428112848": "delivered 76876",
    "20160428112853": "at location 17",
    "20160428112856": "at location 18",
    "20160428112859": "completed"
  }
}
```

### LOCATIONS

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
<th>level</th>
<th>x</th>
<th>y</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>another column</td>
<td>S3</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>column</td>
<td>S5</td>
<td>4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>elevator</td>
<td>kjb</td>
<td>5</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>stairs</td>
<td></td>
<td>0</td>
<td></td>
<td>Click to edit</td>
</tr>
<tr>
<td>21</td>
<td>crossroad in centre of floor</td>
<td>3</td>
<td>11</td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

[add new location]
Pause...
Workshop with IxDA
Re-invent the Library Card

* Budget - no limit
* Hardware available - Superfast wifi, beacons, nfc etc
* Content updates: every 6 weeks
* Audience: broad - primary to elderly

Stack Slip Data Visualisation

* Budget - 200K
* Hardware: nts tracked stack slip over 5 floors - live feed
* Data: focuses on individual request and shows the movement for the day
* Audience: Library users onsite and online
Listening (Audio)

1. Opal card (All ages)
2. Beacon
3. History of the area you work in
4. Tap and see area you like...
5. Tap on to see area

Opal card

Info

How do I get there
Personal

Did you know this area...
Slow museum / library

Surprised.

Not friend in the room.

Respecting your tracking.

Wearables track your shows.

Surf.
Your book is heading your way.

1. Submitted!
2. Your library is on its way!
3. In the stacks

Fun message:
"Your team just packed Captain Cook's galley!"
Pivot...
Total: 2717. Successful: 1891. Not: 826. 100% completed.

Zero items in replacements where began=0. Looks like we are finished...!

=================================================================================

2746: 2866678577 | a479058h | 20160811152121 | 20160811152128 | SUCCESS! replaced 2866678577
2747: 2867502370 | a479076h | 20160811152141 | 20160811152147 | SUCCESS! replaced 2867502370
2748: 2867494012 | a479075h | 20160811152201 | 20160811152206 | SUCCESS! replaced 2867494012
2749: 2867475538 | a1249004h | 20160811152221 | 20160811152226 | SUCCESS! replaced 2867475538
2750: 2866625141 | a128128h | 20160811152241 | 20160811152247 | SUCCESS! replaced 2866625141
2751: 2866613569 | a191010h | 20160811152301 | 20160811152306 | SUCCESS! replaced 2866613569
2752: 2867425266 | a1985007h | 20160811152321 | 20160811152339 | SUCCESS! replaced 2867425266
2753: 2866527135 | hood_07296h | 20160811152341 | 20160811152346 | SUCCESS! replaced 2866527135
2754: 2866522209 | c008710005h | 20160811152401 | 20160811152424 | SUCCESS! replaced 2866522209
2755: 2867346990 | bcp_01802h | 20160811152441 | 20160811152449 | SUCCESS! replaced 2867346990
2756: 2867335696 | c008710009h | 20160811152501 | 20160811152527 | SUCCESS! replaced 2867335696
2757: 2866498615 | hood_06307h | 20160811152541 | 20160811152546 | SUCCESS! replaced 2866498615
2758: 2866483591 | c008710019h | 20160811152601 | 20160811152628 | SUCCESS! replaced 2866483591
2759: 2866462013 | c008710023h | 20160811152641 | 20160811152705 | SUCCESS! replaced 2866462013
(7) 43697 5205025493 ✓ images match

(3) 14379 5205620000 ✓ images match

(19) 153765 5205013341 □ images match

(20) 153765 5205610798 □ images match
Enter a range of digital IDs to extract from the co-masters (e.g., a3145001 to a3145020):

(To extract one image, enter its digital ID in both fields)

Start:

a3145001

Stop:

a3145003

Locations to search in:

- master
- comaster
- highres
- preview
- screenres
- thumbnail

Click to SEARCH
some takeaways...
Experimenting is important
Prototyping is critical for design thinking
Data is messy and will not always do what you think it will do
Partnerships and collaboration- think differently here
Be prepared to pivot
Tell your audience it’s an experiment
Sketch lots (and in code)
Build upon code- iterate
2 week sprints- often go beyond this
Share your findings, code and data
THANK YOU

MuseumNext

STATE LIBRARY
NEW SOUTH WALES

dxlab.sl.nsw.gov.au