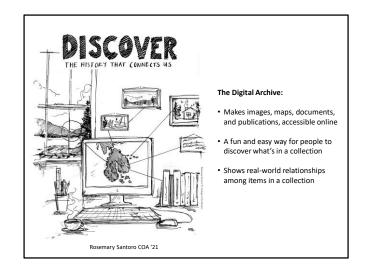
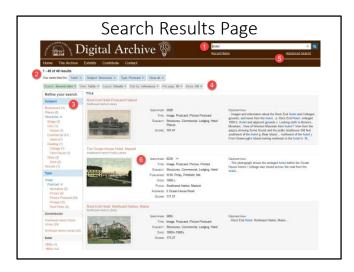


George Soules:

- Volunteer archivist who works on the project with curator Charlotte Morrill
- Trustee at the Southwest Harbor Public Library
- Software architect who created the Digital Archive



A College of the Atlantic student's visual interpretation of the Digital Archive.



The Search Results page has six primary features which are generally used in the following order:

- 1. The search box is where you type keywords to search for.
- 2. The results summary section shows you the search criteria for the search results.
- 3. Facets allow you to add or remove filters that let you narrow or expand the search results.
- 4. View selectors let you change how search results are presented to you.
- 5. The Advanced Search link takes you to the Advanced Search page.
- 6. The results area shows a thumbnail and metadata for each result.

Results are ordered by relevance.

You can also sort them by a field you specify.



Other features of the Search Results page include:

- Recently viewed items link
- Recently viewed item flag
- Keyword highlighting
- Searchable PDF text
- Click to open a PDF file

An item is considered to be recently viewed if you click it's title to view the item or if you click its flag.



When you click a PDF file name, the PDF file opens in your browser's PDF viewer.

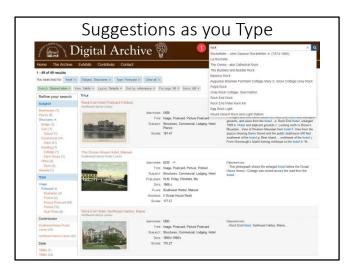


The Search Results page display additional information when you are logged in as an administrator.

- A black menu bar at the top to access administrative features.
- One-click access to the archival storage for an item's assets (shown in a later slide).
- Private fields that are hidden from public users.
- Administrative links that allow you to view or edit the item in the admin interface, or add relationships to the item (shown in a later slide).



You initiate a search by typing keywords in the search box at the upper right of the page.



As you type, suggestions appear like in Google or Wikipedia.

To search, click a suggestion, or press Enter, or click the magnifying glass.



The search criteria for the search results appear:

- In the upper left in area (2) as blue rectangles with rounded corners.
- As applied facets in area (3).



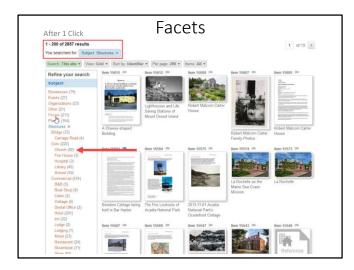
The next six slides show how you apply and remove facets.

On this slide, the user clicked the magnifying glass with no keywords to return all items as search results.

The items appear in descending order starting with the most recently added.

In this example there are 10,993 results, and of those, 2,857 have a subject starting with 'Structures.'

Click on the 'Structures' facet to filter the results to only items with that subject.



In one click the results have been reduced to 2,857 items with subject 'Structures.'

Of those, 92 have a subject 'Structures, Civic, Church.'

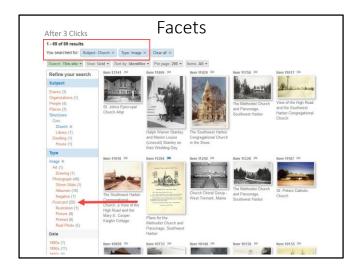
Click on the 'Church' facet to filter the results to only items with that subject.



With a second click, the results have been reduced to 92 items with subject 'Structures, Civic, Church.'

Of those, 69, have a Type of 'Image.'

Click on the 'Image' facet to filter the results to only items with that Type.



With a third click, the results have been reduced to 69 items with Type 'Image.'

Of those, 20 have a Type of 'Image, Postcard.'

Click on the 'Postcard' facet to filter the results to only items with that Type.



With a fourth click, the results have been reduced to 20 items with Type 'Image, Postcard' and subject 'Structures, Civic, Church.'

Remove the 'Church' facet to expand the results to postcards of structures.



The results have expanded to 168 items with Type 'Image, Postcard' and subject 'Structures.'

With facets, it's possible to locate items of interest without typing any search terms.



Area (4) contains a set of dropdown lists that you can use to select how search results are displayed.

1 - 49 of 49 results				
You searched for: ['hotel" × Subject: Structures × Type: Postcard × Clear all ×				
Search Shared sites - V	iew: Table - Layout: Details - Sort by relevance - Per page 200 - Items: All - 4			
Refine your search	Титье			
Subject	Rock End Hotel Postcard Foldout			
Businesses (1) Parage (6) Structures x Bridge (3) Come (1) School (1) Commercial (41) Hotol (41) Dwelling (1) Cottage (1) Cottage (1) Other (2) Dock (2) Vessels (1)	IDENTIFIER: 5828 Tyre: Image, Postard, Picture Postard Summer Sinchures, Commercial, Lodging, Hote Paces Score: 190.08			
Туре	SUBJECT: Structures, Commercial, Lodging, Hote			
Image Postcard × Illustration (2) Picture (4)	PURUSHER: W.M. Philay, Pittsfield, Me. Date: 1908 c. PLACE: Southwest Harbor, Manset Anoness: 5 Oroan House Road			

From left to right, the view selectors control:

- Whether only the local site is searched or all sharing sites are searched.
- Whether the results are displayed as a table, index, or grid.
- How table results are displayed.
- The order in which results are displayed. The options are by relevance or by a specific field.
- The number of results that appear on each page.
- Whether all results are displayed, or only those that have an image.

1 - 49 of 49 results				
You searched for: "hotel" ×	Subject: Structures ×	Type: Postcard ×	Clear all ×	
Search Shared sites T	w Table + Layout Det	ails - Sort by relev	vance + Per page: 200 +	Items All 👻
This site	Time			
Shared sites < Subject	Rock End Hotel Pos	tcard Foldout		
Places (6) Structures × Bridge (3) Civic (1) School (1) Commorcial (41) Hotel (41)			TYPE: Image, Postca Subject: Structures, Co Places Score: 190.08	
	HARBOR PUR	0	GREAT CRANEERRY ISLAND RESTOR	ICAL SOCIETY
Southwest Ha	rbor Historical Socie	ty 👔	Northeast Harbor Librar	у

This slide shows the Search selector with its two options 'This site' and 'Shared sites.'

When 'Shared sites' is selected, all of the Digital Archive items from the organizations shown at the bottom of the slide are searched.

Contributor	ld	Items	Images	Docs
Southwest Harbor Public Library	swhpl	10996	9305	934
Northeast Harbor Library	nehl	5973	5200	938
Great Cranberry Island Historical Society	gcihs	2403	4532	166
Southwest Harbor Historical Society	swhhs	1265	147	(
College of the Atlantic	coa	187	121	159
Wendell Gilley Museum	wgm	90	15	(
	Totals	20,914	19320	219

This slide shows what each organization has made accessible as of 9/24/2019 – a total of nearly 21,000 items.



This slide shows the View selector set to 'Table' and 'Type / Subject' being chosen for the 'Layout' selector.

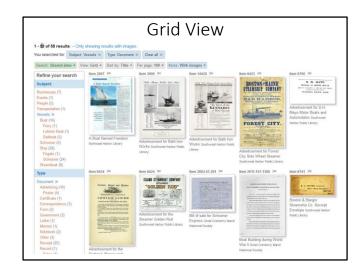
An administrator can define their own table layouts that will appear as options when you are logged in.

ou searched for grammar				
	school ×			
Search This site + View	able • 1	ayout: Type / Subject + Sort by: Type + Per page 56	• Items: All •	
Refine your search	ITEM	Титье	TYPE -	SUBJECT
Subject <table-cell></table-cell>	3102	Southwest Harbor Schoolhouse	Document, MHPC Survey	Structures, Civic, School
Events (2) Organizations (24)	3101	Southwest Harbor Elementary School	Document, MHPC Survey	Structures, Civic, School
People (22) Places (7) Structures (7)	13796	A Talk About the Southwest Harbor Public Library (1905-2005)	Document, Oral History	Organizations, Civic, Libra
Type	3044	Fiddle Making	Document, Other	People
Document (5)	12692	The Mayflower and Mount Desert Island	Document, Other	Events
Gallery (2) Image (16)	13766	Students at Freeman Grammar School	Gallery	People
Map (1) Publication (16)	13700	Group Photos of Grammar School Students	Gallery	Organizations, School
Reference (6) Date	12480	Students at the Freeman Grammar School	Image, Photograph	Organizations, School People
1910s (4) 1920s (5)	9419	The Freeman Grammar School, Southwest Harbor, Maine	Image, Photograph	Structures, Civic, School
1930s (5) 1940s (4) 1950s (4)	6460	Southwest Harbor Grammar School Basketball Team	Image, Photograph	People Organizations, School
1960s (3) 1990s (4) 2010s (4)	11903	Students at the Freeman Grammar School	Image, Photograph	People Organizations, School
none (13) Place	12034	Southwest Harbor Grammar School Basketball Team	Image, Photograph	People Organizations, School
Place Great Gett Island (2)		Southunset Markov Generator School Teacher and Studenter		Pagela

This slide shows a search for the keywords 'grammar school' with no facets applied.

There are 46 results sorted by type in ascending order with 50 results per page.

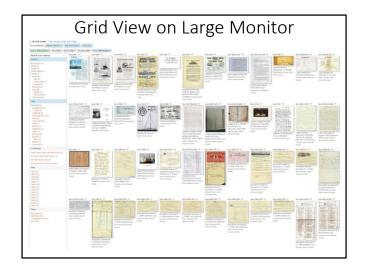
This layout is much more compact than the 'Detail' layout which shows a thumbnail and many fields for each item.



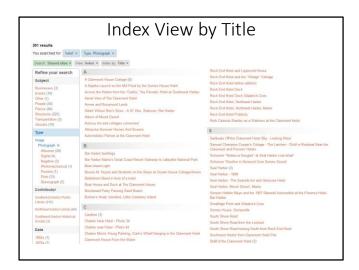
This slide shows a search for items with the 'Subject: Vessels' and 'Type: Document' facets applied.

There are 58 results sorted by title in ascending order with 100 results per page and only items with images showing.

Because the Search selector is set to 'Shared sites' the name of the contributing organization appears under each thumbnail.



This slide shows the same 58 results as the previous slide, but displayed on a large monitor where there is room to show 48 items.



This slide shows the View selector set to 'Index' and the Index by selector set to 'Title.'

The 301 search results are for the keyword 'hotel' and the 'Type: Photograph' facet.

The screen shot shows just partial results for titles A - C and R - S.

A title followed by a number in parenthesis indicates multiple items with the same title e.g. 'A Claremont House Cottage (8)'.

	Index View by	y Creator
I01 results		
fou searched for hotel ×	Type: Photograph ×	
Search: Shared sites - Vie	w Index * Index by: Creator *	
Refine your search	A	L
Subject	Afred Mullion	Levy - Harry Levy
Businesses (3) Events (10) Other (1) Poople (30) Places (94) Structures (225) Transportation (3) Veseris (10)	Alten - Edward Lowe Alten (c. 1830-1914) (2)	м
	8	Monteleon Robert
	Batard - Willis Humphreys Ballard (1905-1980) (25)	Moore - Isaac Thomas Moore (1872-1963)
	Bradley - Bryant Bradley (1838-1890) (8)	N
	Buckman - Emma Johns Buckman (1981-1968) (27)	Neal - George Arthur Neal (1872-1939) (21)
	C	
Type	C. A. Kenball	P
Image Photograph × Albumen (28) Digital (4) Negative (3) Photomechanical (1) Positive (1)	F	Pepper - Charles H. Popper Jr. (1856-1889)
	Fred L. Savage	Pollock - Charles Pollock (1828-1900)
	Fred L. Savage (7)	R
	G	Rand - Henry Lathrop Rand (1862-1945) (28)
	George L. Stebbins	Riebel - Charlotte Helen (Riebel) Momili (2) Robert Lindsey Smallidge
Print (33) Stereograph (5)		reader creately change
Contributor	н	S
Southwest Harbor Public	Haskins - Storgis Robin Haskins (1940-2012)	Sanbom Photo Services
Library (212)	Homand - Mary Guild Leighton (Homand) Jones (1937-2014) (2)	Soules - George John Soules (4) Strong - Janet Strong
Northeast Harbor Library (85)	1	cound country
Southwest Harbor Historical Society (3)	Isaac T. Moore (32)	T
Date	J	The Rotograph Co., N.Y. City The Starley House photographer
	Julia G. Manchester (4)	Townsend - Charles A. Townsend (1871-1932) (2)
1860s (1) 1870s (7)		

This slide shows the same results as the previous slide except that the Index by selector is set to 'Creator'.

There are fewer entries in the index because:

- Many items were made by the same creator
- Some items have no creator metadata.



This slide simply points out the 'Advanced Search' link beneath the search box.

Clicking the link takes you to the page shown on the next slide.

As the previous slides have shown, many searches can be performed using just keywords and facets.

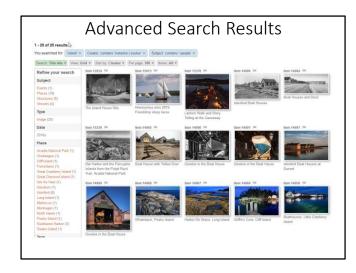
	Digital Archive 🖗 Enter Reywords to	search for X
Home The	Archive Exhibits Contribute Contact	
Advance	d Search	
Keywords	island	Search Tips You can use the following special characters in the Search Bo above and at left in the Keyword's field, and in the Contains condition.
Fields	Creator Contains motenko soules Remove field Subject Contains ecople Remove field	before a keyword makes it required before a keyword excludes it wraps a phrase to search for signifies OR and a keyword signifies a widdraid and ji signify procedence For an open-ended year range such as from 1000 or until 107
Add field	Start End	even an open-tended year range such as irom 1500 of unit 107 leave either Start or End blank To search by Contributor, use the Contributor Id from the table shown here.

Advanced Search is useful when you need to search for items that contain text in specific fields.

In this example, the search is for the keyword 'island' where:

- The Creator field contains either 'motenko' or 'soules' and
- The Subject field does not contain 'people'.

The Search Tips section at right provides powerful search syntax aimed at more advanced users.



The search for the keyword 'island' where the Creator field contains either 'motenko' or 'soules' and the Subject field does not contain 'people' produced 25 results.

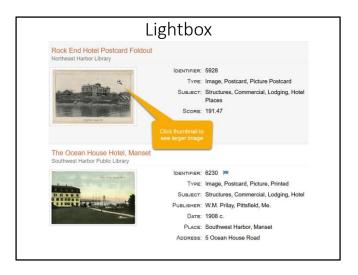
These are all contemporary images of historic subjects which connect the past with the present.



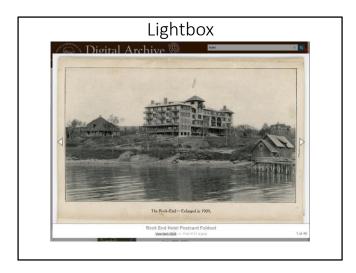
Area (6) shows a thumbnail and metadata for each search result.

This rich presentation of information appears when the View selector is set to 'Table' and the Layout selector is set to 'Detail.'

The area within the gold box will be discussed in the slides that follow.

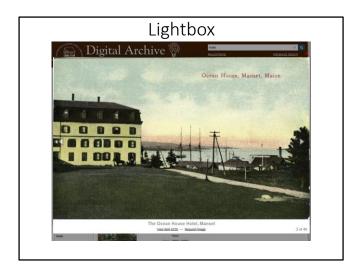


When viewing search results, you can click on a thumbnail to see a large image.



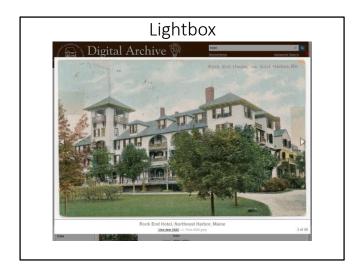
While viewing the large image for a thumbnail, you can click the image to see the next image on the page.

Alternatively, you can click the left or right arrows or use the arrow keys on your keyboard to see the next or previous image.

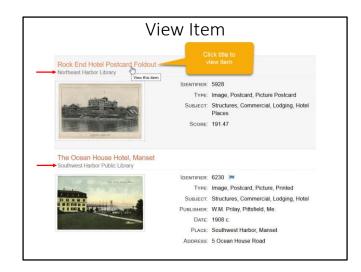


While viewing the large image for a thumbnail, you can click the image to see the next image on the page.

Alternatively, you can click the left or right arrows or use the arrow keys on your keyboard to see the next or previous image.



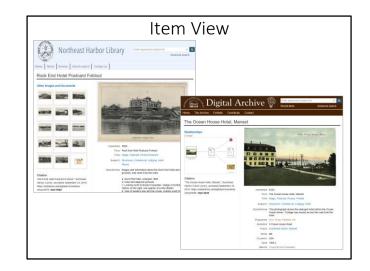
You can stop viewing large images by clicking the red X in the upper right corner of the image or by pressing the Esc key.



When viewing search results, you can click on an item's title to view that item.

On this slide, the first item is from Northeast Harbor Library and the second from Southwest Harbor Public Library.

Clicking the title will take you to that item on the contributing organization's Digital Archive site.



This slide show what you see when clicking on the title of each of the items on the previous slide.



Some images like high resolution photographs and maps lend themselves to being viewed zoomed in.

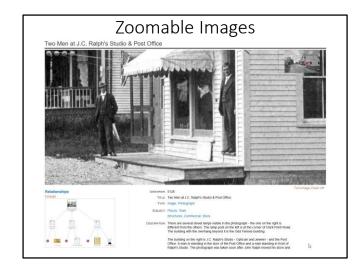
The title of this image says "Two Men" but it's difficult to see them.

You can make any image zoomable by using the Zoomify program to break the image into tiles.

When you upload the tiles to your server, the Digital Archive will automatically display zoom controls for the image.

Above there are '+', '-', home, and full-screen controls in the upper left, and a navigator frame in the upper right.

You can also click the image or use the mouse scroll wheel to zoom in.



This slide shows the image on the previous slide zoomed in all the way.

The navigator frame in the upper right displays a red box to indicate which part of the image is visible.



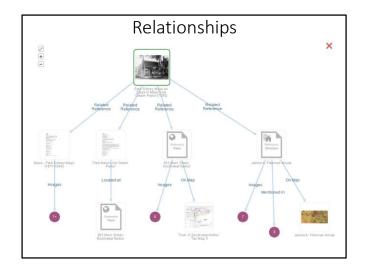
This single photograph depicts a number things:

- A man, Fred Mayo
- A business, Fred's ice cream parlor
- A place, that is, an address on a street where this business was once located
- A building next door on the right side of the photo

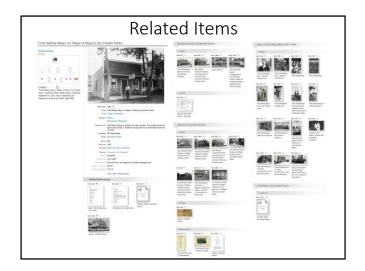
Over time, a number of building and businesses have been located at this same place. How can we keep track of them?



A typical item in the Digital Archive displays an image, metadata, and related items.



The newly added relationship appears as the fourth branch in the relationship tree.

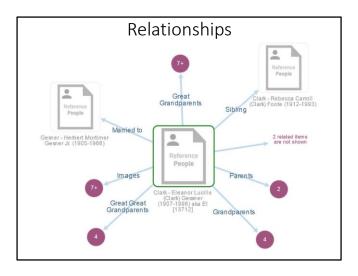


The relationships in the visualization are also shown further down the page as thumbnails grouped by relationship.



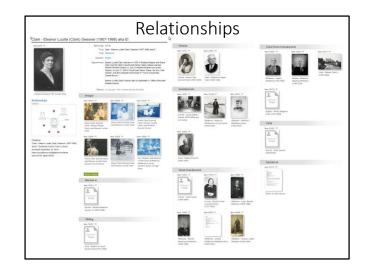
In this last example, most of the relationships are genealogical.

While not intended as a genealogical tool like ancestry.com, the Digital Archive automatically detects and displays ancestors and descendants you create by using either the child-of or parent-of relationships.



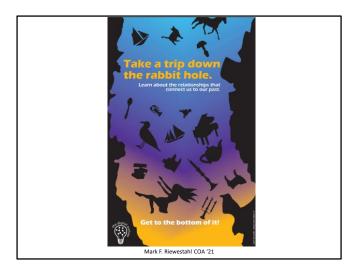
The visualization shows that the collection contains many pictures of Eleanor along with items for her:

- Husband
- Siblings
- Parents
- Grandparents
- Great grandparents
- Great great grandparents

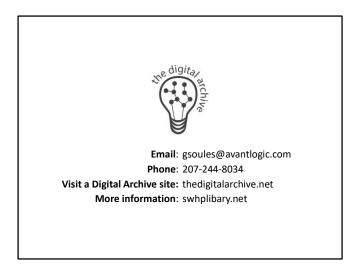


The relationships from the visualization in the previous slide are shown as thumbnails further down the page.

The Digital Archive produces all of this automatically based on child-of and parent-of relationships.



Another College of the Atlantic student's visual interpretation of the Digital Archive.



Additional Slides



Recently viewed items appear in order from most recently visited to least recently visited.

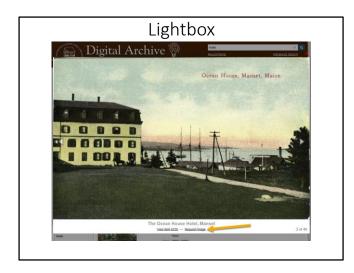
You can clear the list by clicking the 'Clear all link'.

Click the 'Show as search results' link to view the items as search results (next slide).



You display recently viewed items as search results for two reasons:

- 1. Get a URL for the results that you can give to someone else e.g. in an email.
- 2. To be able to use the view selectors (explained in a later slide) to see the results in either tabular, index, or grid layout.

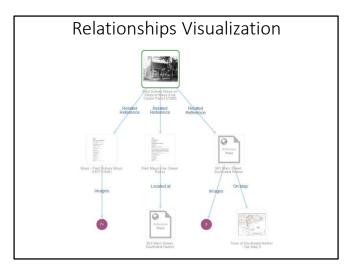


While viewing a large image, you can click the 'View Item' link to view the item for that image.

On the Southwest Harbor Public Library site, you can click the 'Request Image' link to bring up an image request form.



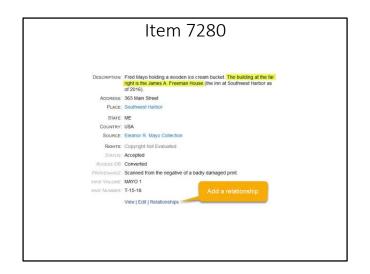
The form ensures that the user is ordering the right image and providing all of the necessary information.



The visualization shows at a glance how this item is related to other items in the collection.

The thumbnail with green outline is the item being viewed.

In this slide, the three branches from left to right or the man, the business, and the place.



The item's description mentions the building at far right, but it did not appear in the visualization.

When logged in as an administrator you can click the Relationships link to add, edit, or remove relationships.

Relationships for	Item 728	0	
		Fred Sledowy Mayo on Steps of Mayo's Ice Cream Partor Type Inago, Honggah Subject People	View Admini Page View Public Page Edit item
Relationship	Related Item	Related item Title	Action
depicts	3448	Mayo - Field Sidney Mayo (1877-1949)	Edr 2
depicts	3464	Field Mayo's Ice Gatanti Parlor	Edit X
depicts	12777	363 Main Street, Southwest Harbor	Edit
depicts			Add
Recent Relationships Rec	ently Viewed Items	ream Parlor → depicts → a Reference (2) Show as search results Clear all	
depcts		3498 7per Reference Subsci Structures, Commental, Lodging, Inn. 5 A. Freeman House	-
similar to		Edit Relationships Remove	Add
1	Mayo	1448 Type Reference Solyer: People - Fred Sidney Mayo (1877-1949) Edit Relationships Remove	[A10]

The upper half of the relationships editor shows the items current relationships.

The lower half provides options for adding new relationships.

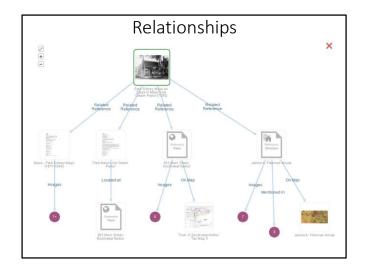
In this example, the recently visited item "James A. Freeman House" appears with an Add button.

When you click the button, a new 'depicts' relationship is added as shown in the next slide.

Relationships for		ationship Edit	or
		Fied Sidney Mayo on Steps of Mayo's Ice Cream Parlor Type Image (Hotopref) Subject Prople	View Admin Page View Public Page Edit Item
Relationship	Related item	Related Item Title	Action
depicts	3448	Mayo - Fred Sidney Mayo (1877-1949)	100
depicts	3464	Fred Mayo's Ice Geam Parkar	Edit
depicts	12777	363 Main Street, Southwest Harbor	the l
depicts	13498	James A. Freeman House	1648
depicts ~			Add
None of the recently viewed iter	ns below are eligi	iteam Parlor → depicts → a Reference bile to be added. (2) Show as search results: Clear all	
depicts similar to part of	Item 3448 ter Reference Seiger People Magio - Fred Siddney Mayo (1877-1949) View Edit Relationships Remove		Add
14	tunt James	1498 type Reference Solper Structures, Commercial Lodging, Inn A. Freeman Housee Edit Relationships Remove	

Now there are four relationships showing the four things this item depicts:

The man, business, place, and building next door.



The newly added relationship appears as the fourth branch in the relationship tree.



When logged in as an administrator, you can also access an items archival assets or edit the item's metadata.

Admi	n Edi	t Page for Ite	m 7280
Southwest Harbor	Public Library	Plugins Appearance Users S	ettings Welcome, gsoules super Log Out
Dashboard Pitens Uno Tryss Tags Single Piges Bingle Piges Bingle Vocab Single Vocab	Pields Files	Then Cover Image	Sive Changes View Public Page Dolets Cancel
Elasticsearch	Identifier Title Add Input	7280 Fred Sidney Majo on Steps of Mayo's Ice Cream Parlor	Palac 🗹
Ą	Type Subject	Image, Photograph v	
	Add Input	Remove Businesses, Restaurant v Remove	
	Description	Fred Mayo holding a wooden ice cream backet. The building at the far right is the James A. Freeman House (the Inn at Southwest Harbor as of 2016).	Ĵ

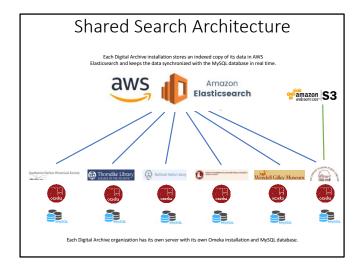
This slide shows the Omeka admin interface for editing metadata.

Note that the values for certain fields can be limited by using dropdown pick lists.

А	WS S3 File	es for Iten	ז 72 ו	80
av	/S Services - Resou	irce Groups 👻 🛧 🗘	swhpl-admin	0 0572-9937
	Amazon S3 > swhpl-digital-ar	rchive > Database > 7000	> 7280	
3	Overview			
	Q Type a prefix and press Enter	to search. Press ESC to clear.		
	2 Upload + Create folder	Download Actions ~	Versions	ide Show
		Notices •	US East	and and a second
				ng 1 to 3
	□ Name ▼	Last modified 🕶	Size 🕶	Storage clas
	🗌 🗋 SWHPL 7280 AM UF 📹	Archival Master (FADGI 2016)	39.5 MB	Standard-IA
	SWHPL 7280 PM.tif	Production Master	3.5 MB	Standard-IA
	access-7280.txt	Aug 16, 2019 11:04:02 PM GMT-0400	1.1 KB	Standard-IA

This item's assets are its:

- Archival master (tif file created by a flatbed scanner)
- Production master (e.g. edited in Photoshop)
- Additional related files, often derivative images



This diagram provides a high level view of how shared searching works.

- The server for each organization consists of the Digital Archive plugins with an Omeka Classic installation.
- Each installation has its own MySQL database to store metadata.
- Every server maintains a copy of its MySQL data in a shared Amazon AWS Elasticsearch index.
- Whenever an admin for any of the organizations add, edits, or deletes and item, both their local MySQL database and the shared Elasticsearch index get updated instantly.
- Changes made to any organization's data are applied to the Elasticsearch index in real time.
- The Southwest Harbor Public Library utilizes an AWS S3 server to store the archival assets for its items.