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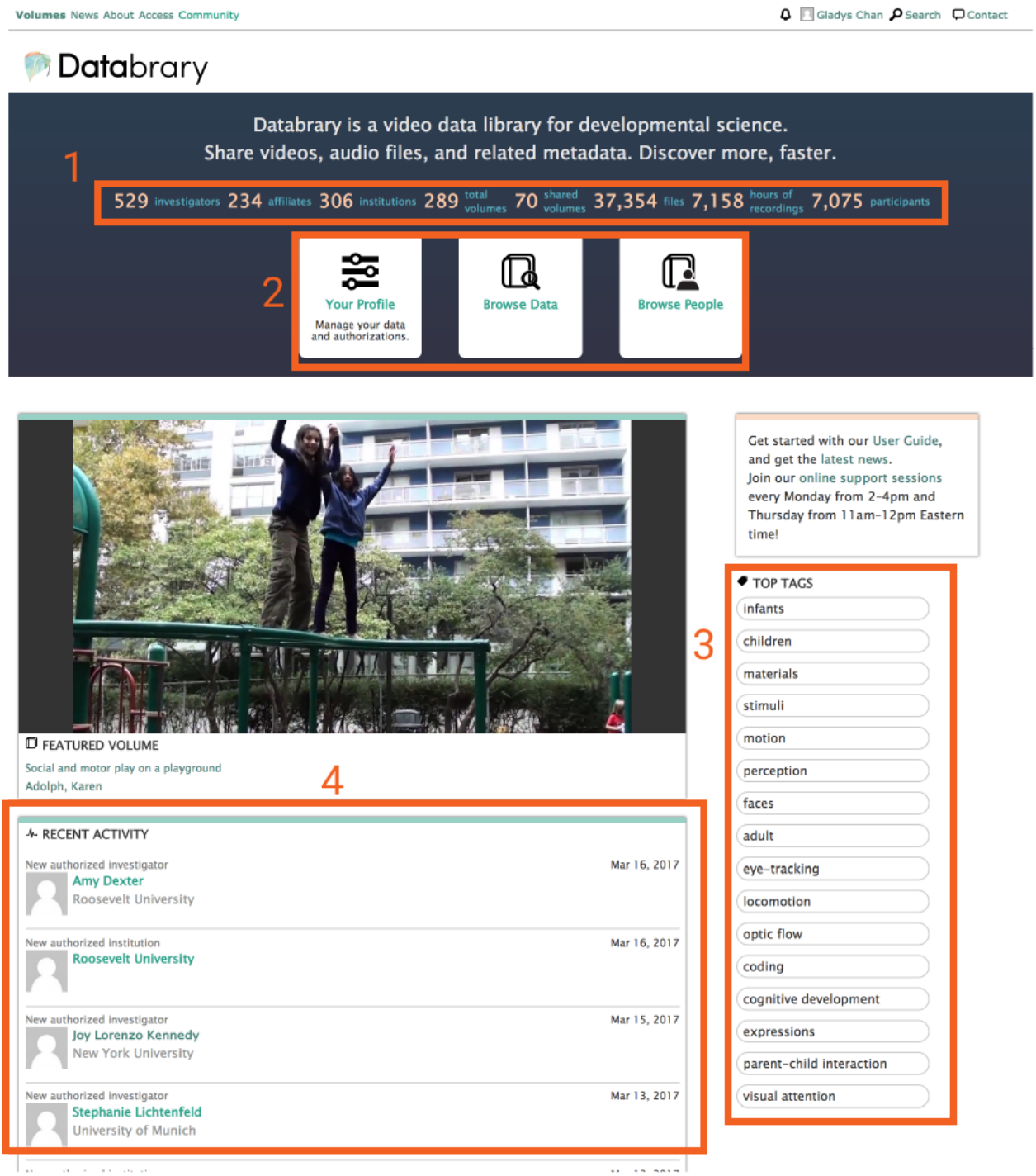
Feature Catalog

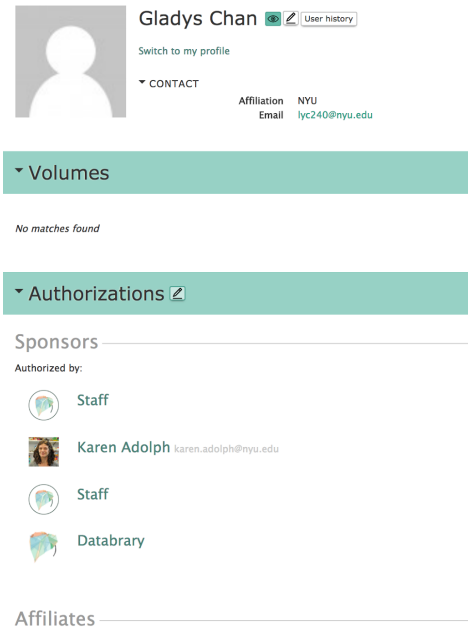
lorem ipsum

Front page



1. These numbers are pulled at least once every day, I believe. Not updated in real-time.
2. Attention-grabbing buttons leading to Profile, Search Data, Search People.
3. Takes the tags with the highest use.
4. Recent activity shown includes new authorized investigator, new authorized institution, newly shared volume. (If anyone becomes superuser, they also get logged there).

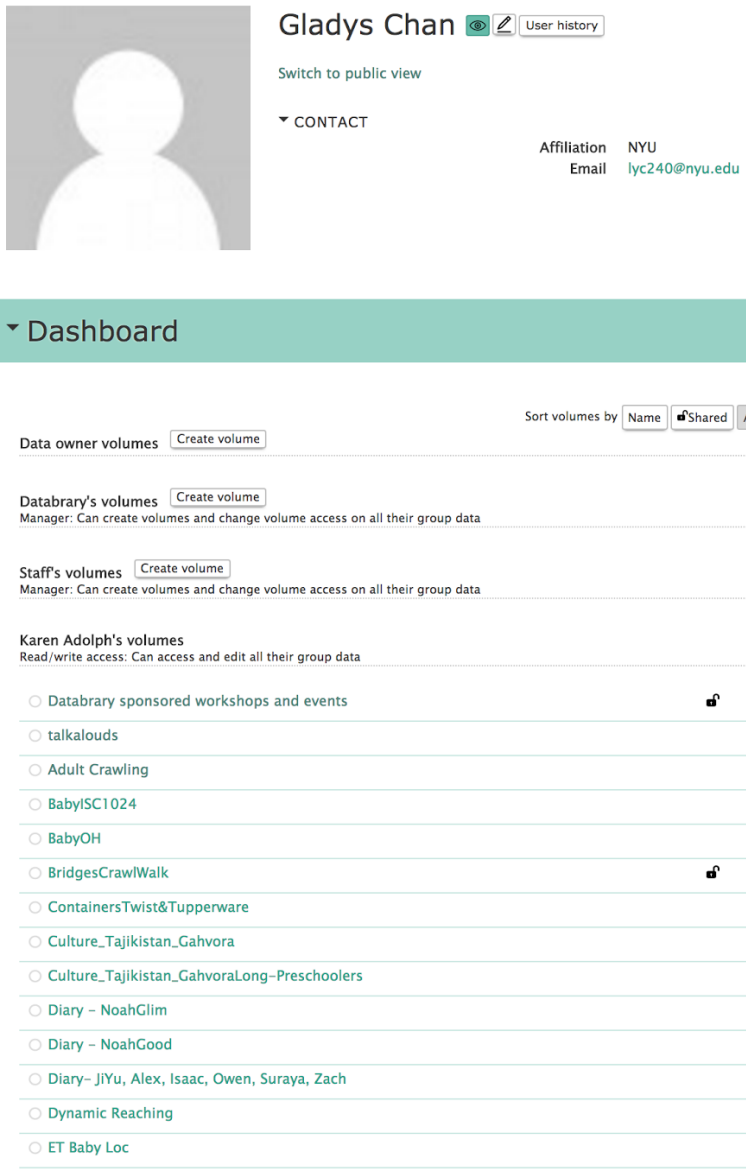
Profile



Historically, “my profile” used to be what is currently the “public view” (see below). Top part with what you entered at registration. Volumes section shows volumes that are both (1) your own (you have read/write/share access) and (2) visible to the viewer of the page. Authorization section shows all sponsors and affiliates, apart from those that are pending.

When it came time to do the dashboard, the main requirements were (1) for users to know what volumes they have access to and at what access level, and (2) for PIs to see all users they are “related” to (affiliates and collaborators) in a single spot.

(see git:databrary/design/wireframes/dashboard.pdf for wireframe)



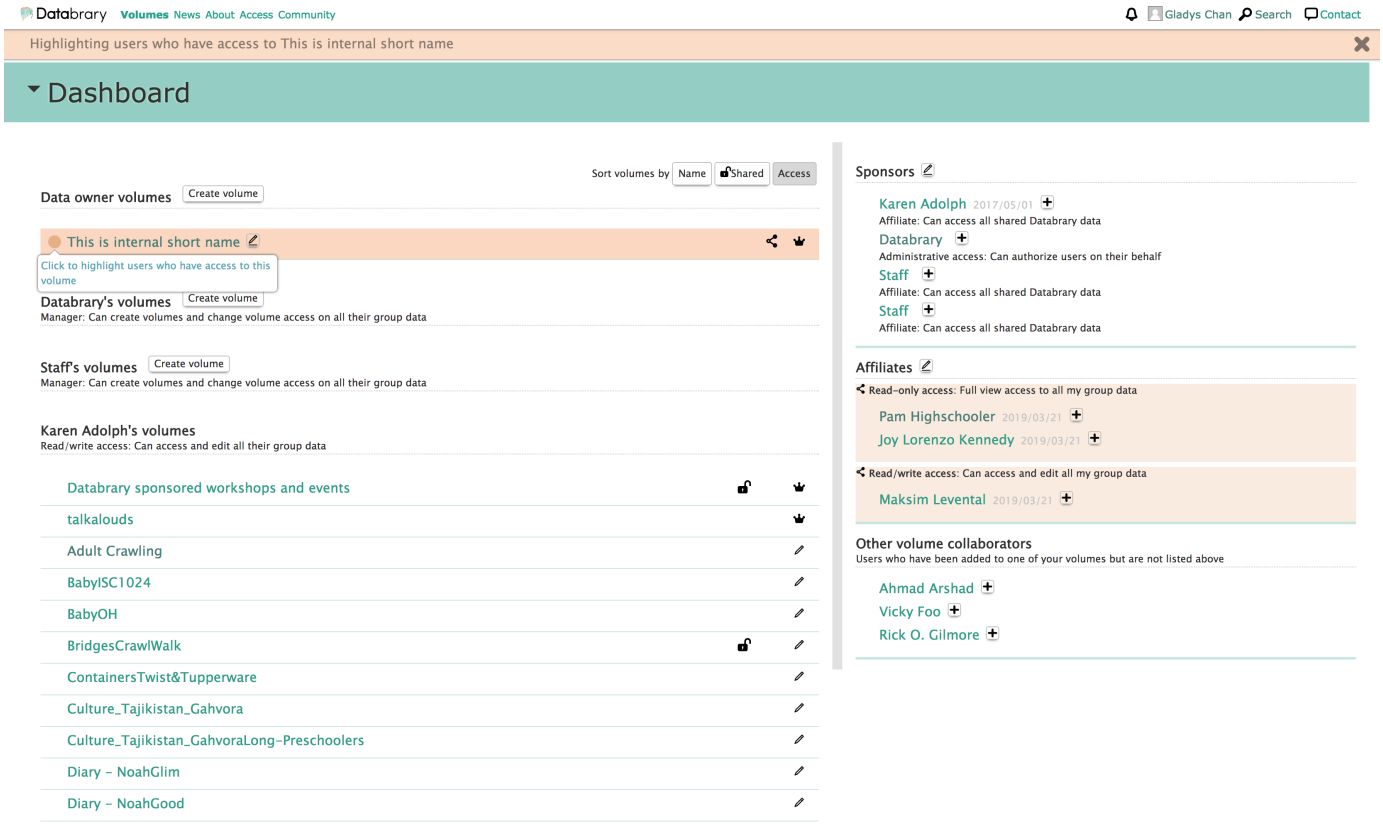
Volumes organized in the following sections (and order): ones that you own as investigator (read/write/share), ones that you can access as collaborator (both read and read/write), and those that you get through affiliate access. Cases of multiple sponsors are rare, but to avoid confusion, each sponsor's volumes are separately listed.

Within each section, volumes can be sorted by name, share status, or your level of access.

For now, the interface defaults to the internal alias of the volume if it's been entered, and otherwise falls back on the outward-facing title (required). The plan is to allow toggling.

If you have manager status from one of your sponsors or is an Authorized Investigator, you'll have the option to "create volume."

Parties are organized in the following sections (and order): Sponsors, Affiliates (not shown above because I have none), and other volume collaborators (defined as collaborators for volumes you own who don't already exist in the sponsor or affiliate lists).



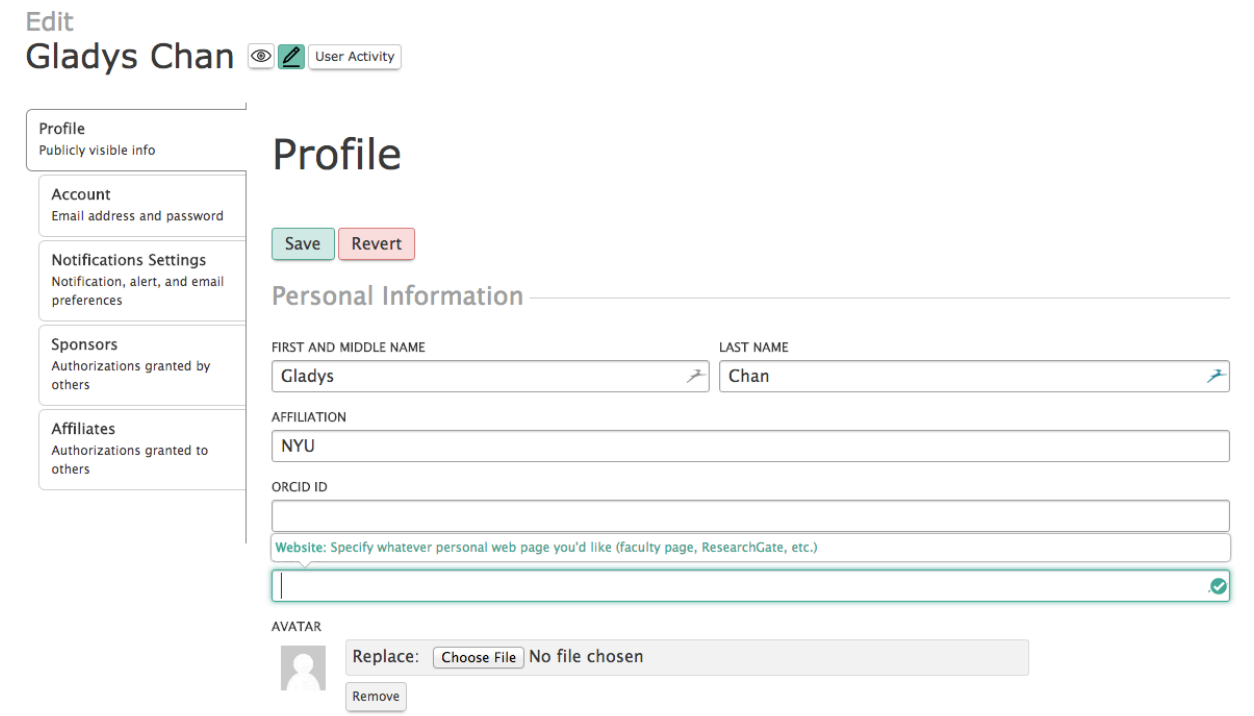
User can highlight a volume to see who (in the people list) has access to it and at what level. User can also highlight a user in the list to see what volumes (amongst the ones on your list) that user has access to and at what level.

When a volume is highlighted, notice that buttons with plus signs appear after each user - a shortcut for adding that person as a collaborator on the volume.

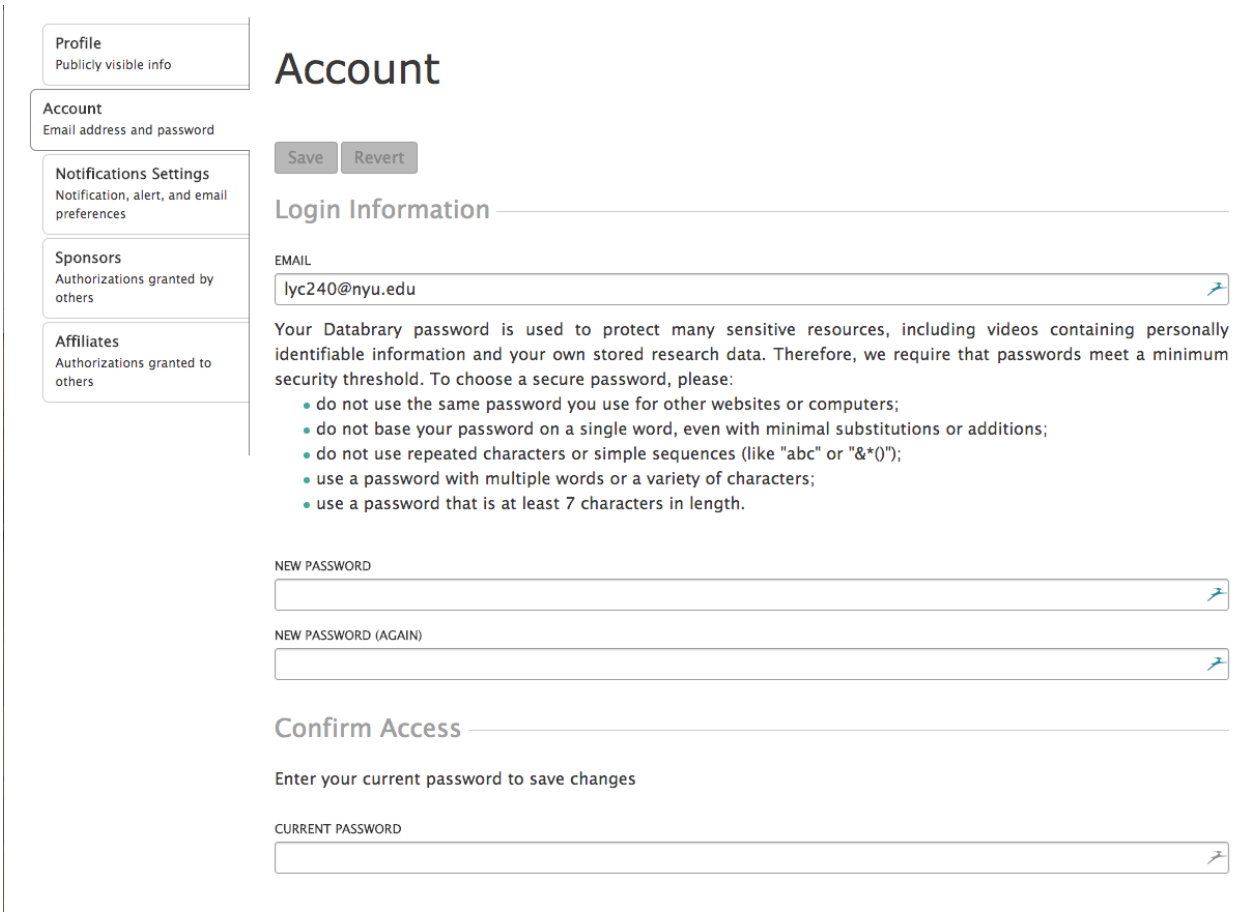
When a user is highlighted, edit buttons in the volume column add that user directly to the volume chosen.

Profile - Edit (I want to rename it all to "my portal" honestly, please)

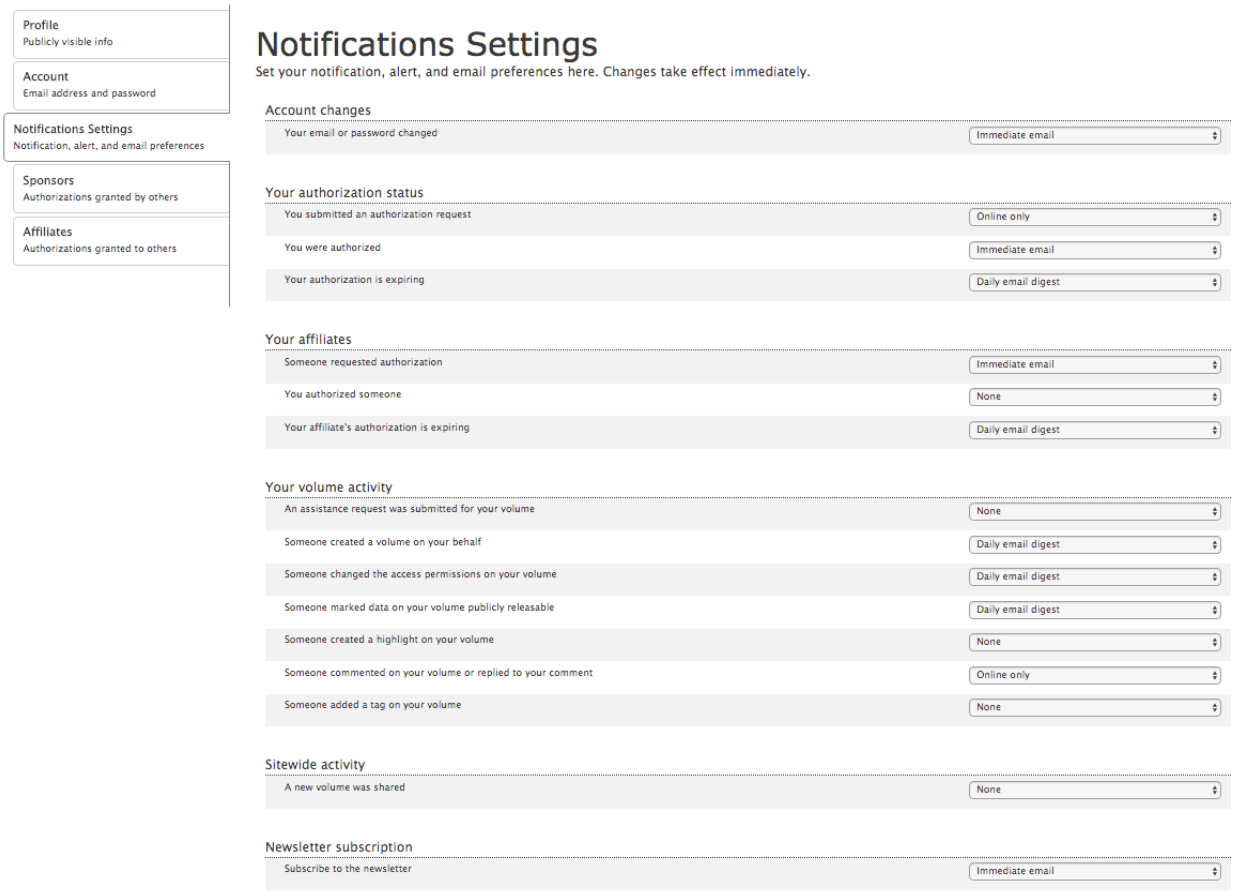
Profile Tab

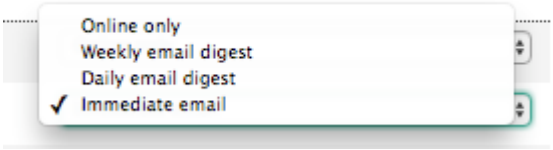

Edit
Gladys Chan
User Activity
Profile
Publicly visible info
Account
Email address and password
Notifications Settings
Notification, alert, and email preferences
Sponsors
Authorizations granted by others
Affiliates
Authorizations granted to others
Profile
Save
Revert
Personal Information
FIRST AND MIDDLE NAME
Gladys
LAST NAME
Chan
AFFILIATION
NYU
ORCID ID
Website: Specify whatever personal web page you'd like (faculty page, ResearchGate, etc.)
AVATAR
Replace:
Choose File
No file chosen
Remove

Account Tab


Profile
Publicly visible info
Account
Email address and password
Notifications Settings
Notification, alert, and email preferences
Sponsors
Authorizations granted by others
Affiliates
Authorizations granted to others
Account
Save
Revert
Login Information
EMAIL
lyc240@nyu.edu
Your Databrary password is used to protect many sensitive resources, including videos containing personally identifiable information and your own stored research data. Therefore, we require that passwords meet a minimum security threshold. To choose a secure password, please:
do not use the same password you use for other websites or computers;
do not base your password on a single word, even with minimal substitutions or additions;
do not use repeated characters or simple sequences (like "abc" or "&*()");
use a password with multiple words or a variety of characters;
use a password that is at least 7 characters in length.
NEW PASSWORD
NEW PASSWORD (AGAIN)
Confirm Access
Enter your current password to save changes
CURRENT PASSWORD

Notifications Settings Tab





Five different possible options at max, not every type of notification have all 5 options.

None: no notification at all

Online only: only on Databrary site

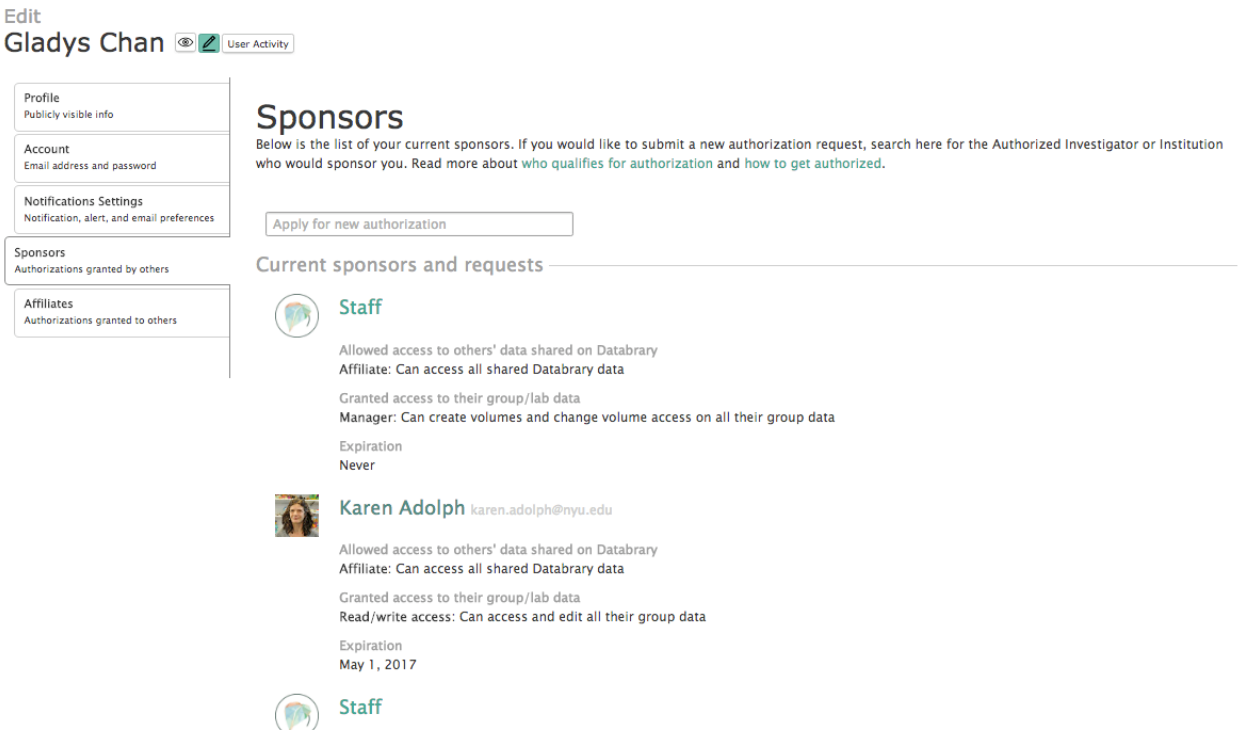
Weekly email digest: the notifications are still immediate on the site, but email notifications are sent once a week

Daily email digest: same as above, but emails are sent every day (around midnight EST it seems)

Immediate email: an email is sent

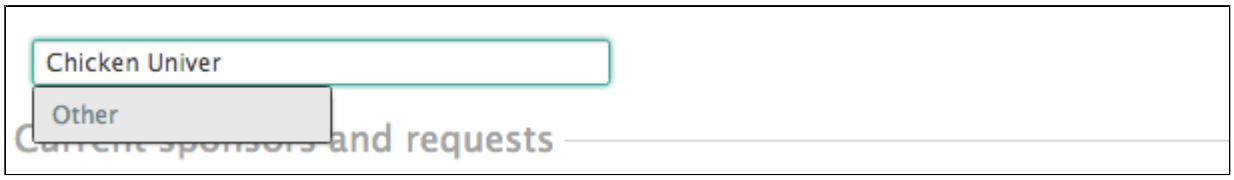
If you're the one who did something on your volume, you don't get a notification. But if you authorized someone, you can get an email notification (or turn it off) for notification purposes.

Sponsors Tab

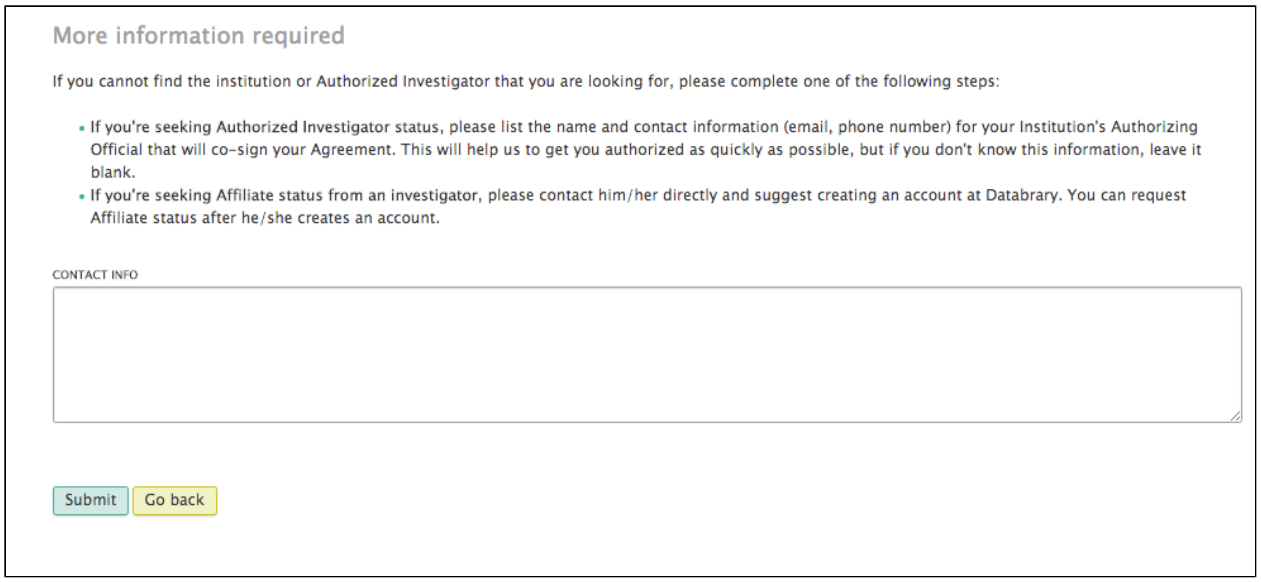


Apart from requesting for new authorization from an authorized investigator or an institution, this is generally a read-only page of the current sponsors you have, and what requests are pending.

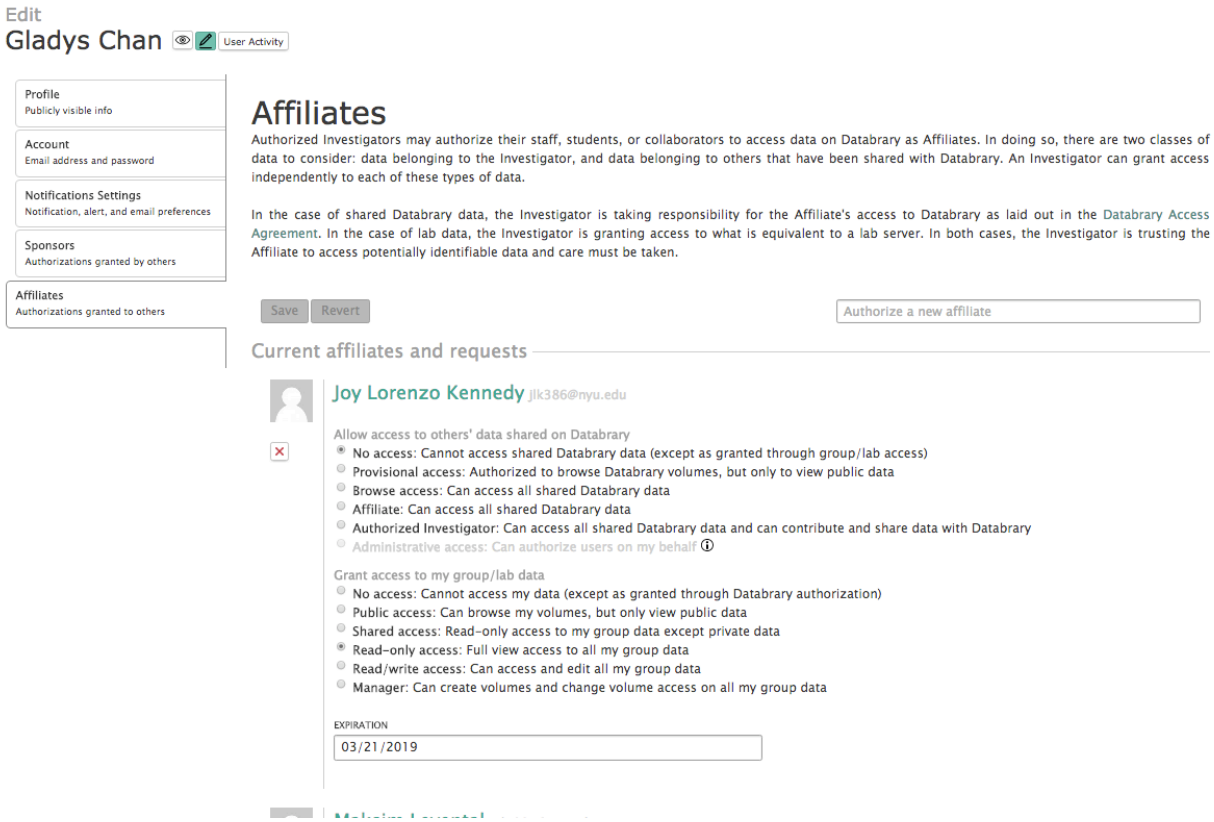
Requests are sent to entities with accounts. If your sponsor is on Databrary, they'll get a notification and a pending request will show up on their "Affiliate Tab". If the sponsor is an institution with an account, superusers will get a notification, and the authorization team will pick up from there.



If your would-be sponsor isn't on Databrary yet, clicking "Other" will bring up a "More information required" section at the bottom of the page. This simply sends an email to our team (authorize@databrary perhaps?) and our team picks up from there.



Affiliates Tab



This is the complete set of options for each affiliate (or affiliate request) that a superuser sees. An authorized investigator gets “No access” and “Affiliate” options for Allow access to others’ data shared on Databrary. A regular user will see “Affiliate” option but it would be greyed out until they become an authorized investigator.

As for Grant access to my group/lab data, both regular users and authorized investigators get the following four options: “No access”, “Read-only access”, “Read/write access”, and “Manager”. Except if you aren’t already an authorized investigator, those options don’t do much. The reason that they’re still there, is that sometimes investigators are in the midst of getting authorized and in the meantime, they can set up their lab members accordingly, so that once the user becomes an authorized investigator, their lab members already have the correct privileges set up.

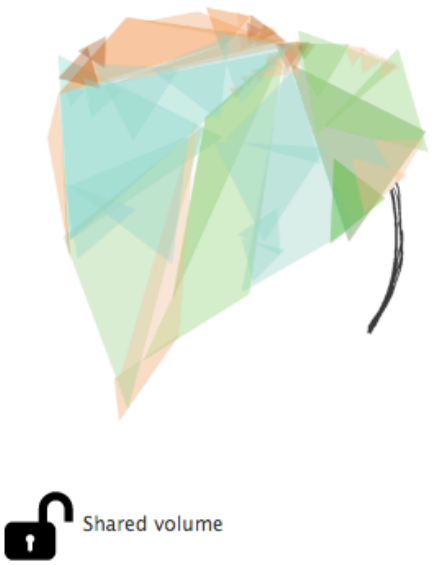
You can either add your own affiliates (using search field in top-right), or your affiliate can request authorization and the pending request will show up on your affiliates tab.

Whenever there are pending requests, a yellow notification bar will show up under the toolbar, prompting user to manage requests.

Expiration is set to two years later by default. It doesn't have to be filled in (the affiliation never expires then). When affiliates are expired, they still show up in your dashboard with a note that they are expired. To remove them completely from your awareness (...), you click the "x" button.

Volume View

Overview

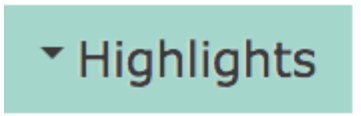


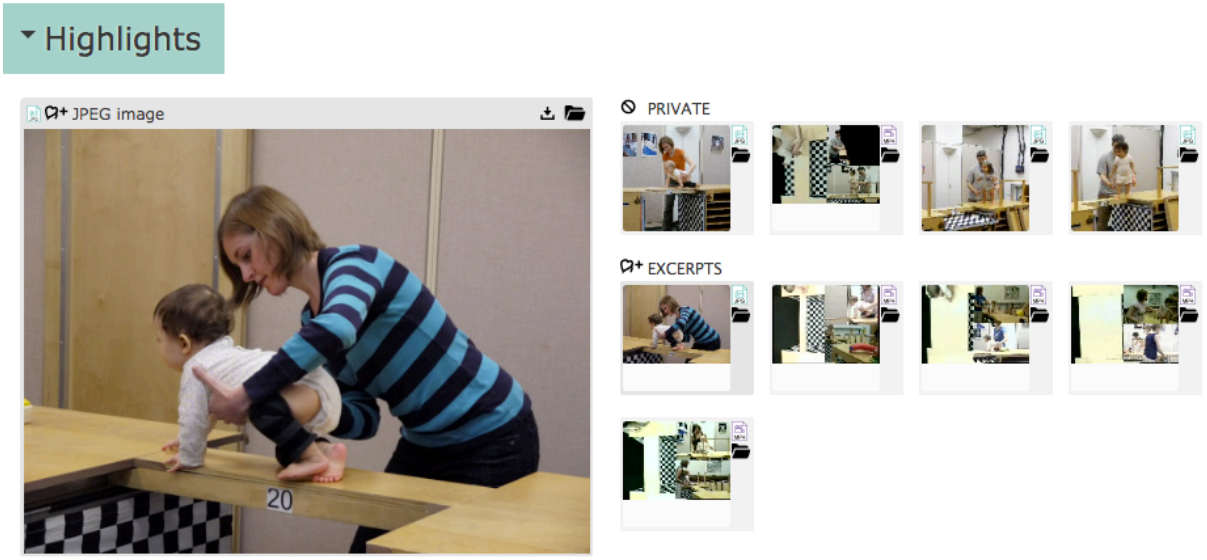
- Description
- Summary of data
  -

added on	June 2015
sessions	80 (76 shared)
ages	13.0 mos–19.3 mos (*M* = 15.5 mos)
participants	81 (35 Male, 45 Female)

    - When volume was created
    - Total number of sessions (number shared)
    - Age range: min - max (mean)
      * users can click (where the green dotted underlines are) to rotate through the units available (day, weeks, month, year)
    - Participants: total number (male, female)
- Links
- How to Cite is automatically generated, DOI is generated when the volume is shared to Databrary.
- Investigators
  Default order is the order in which investigators (collaborators with read/write/share access) were added to the volume. Can be set to a particular order in edit.
- Collaborators
  Order is the order in which non-investigator collaborators were added.
  There is a fundamental confusion built in how researchers think about the word “collaborator” and how it is used in other places. Probably needs to be reworked, or reworded. It’s part of a bigger structural change though?
- Funding goes by (granting organization) and (grant number, optional).

Highlights

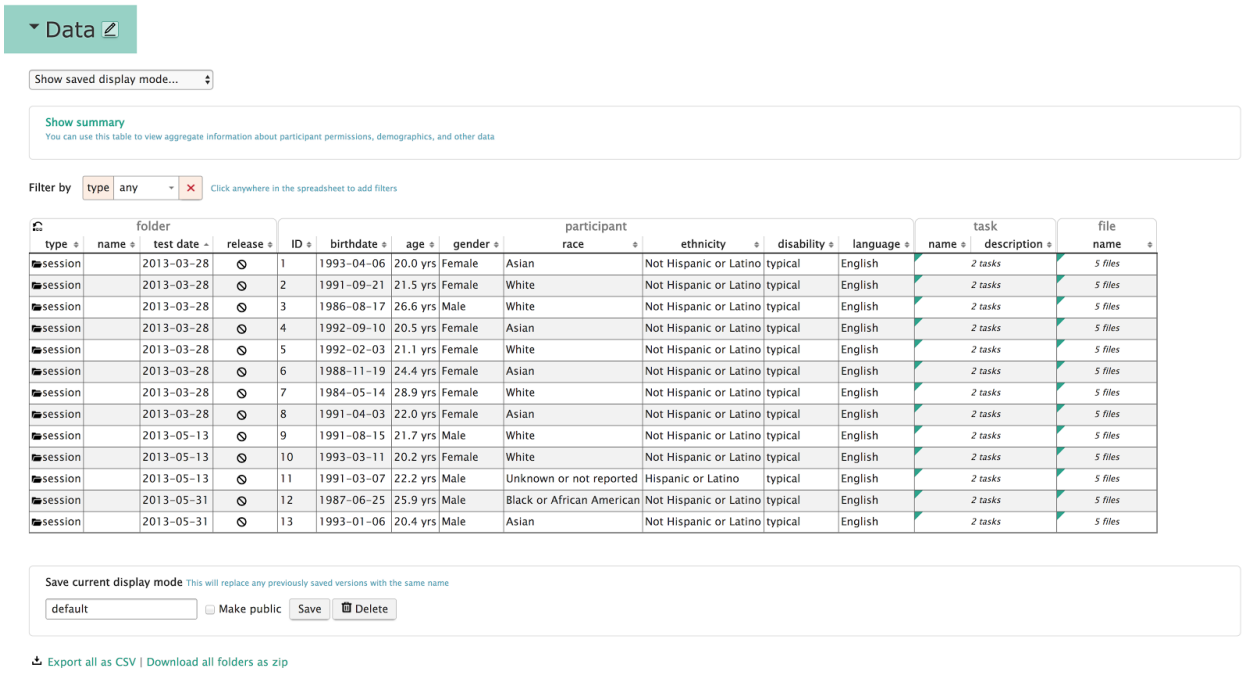




Highlights are listed on the right, organized by release level. It's a bigger discussion whether Private Highlights make enough sense to enough people, but this was a decision from way before me.

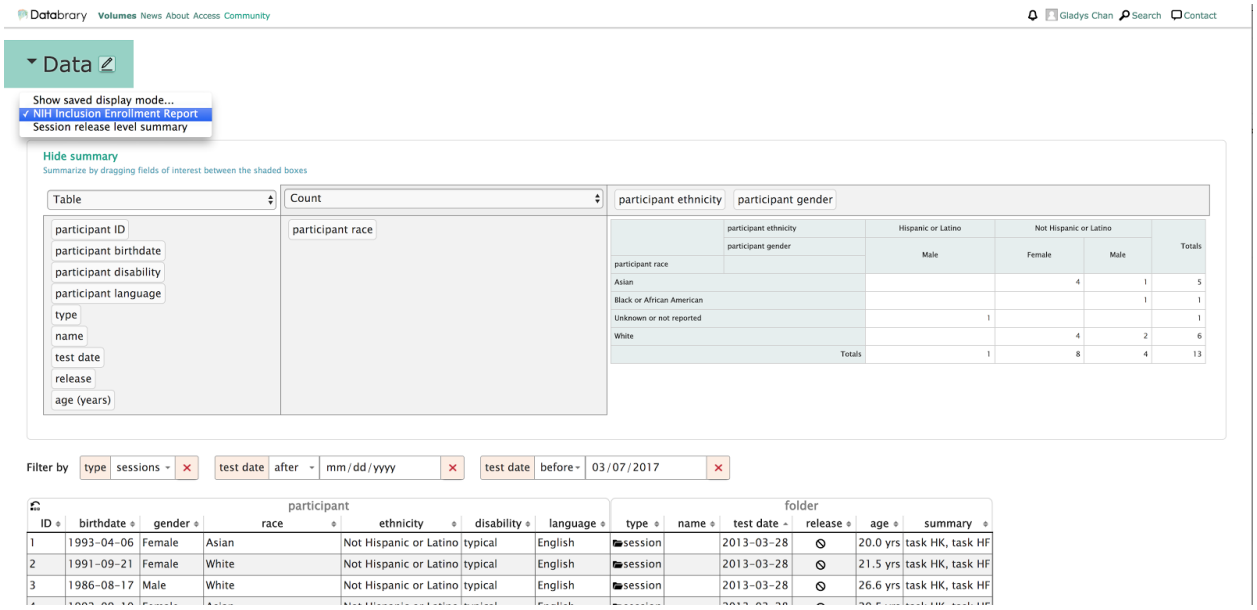
On the left, is a viewer for highlights. It'll display video, images and PDF's. I don't remember about audio. If the highlight is a partial segment of a video file, it'll play from the highlighted segment and stop once it reaches the end of that segment. But if the user has the necessary access level and you click play again, he'll be able to watch before/after the clipped segment. If the user doesn't, only the clipped segment will be made available to him.

Data

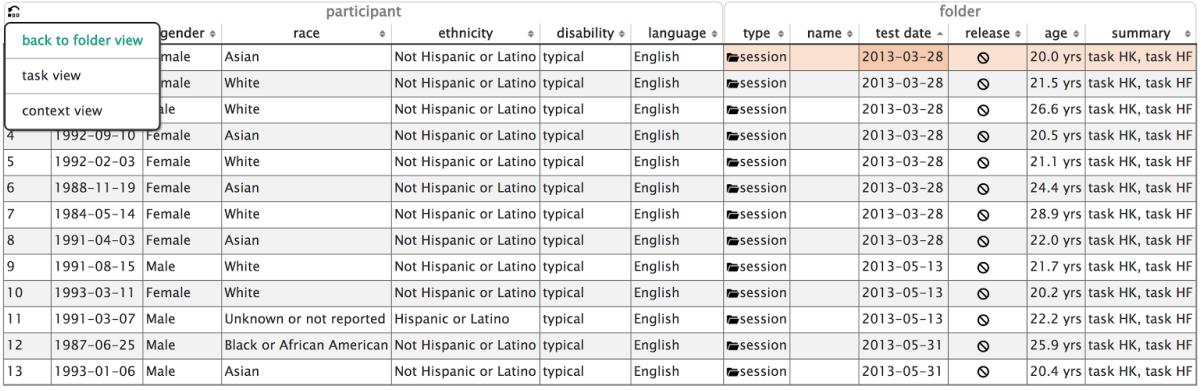


The Data section is made up of

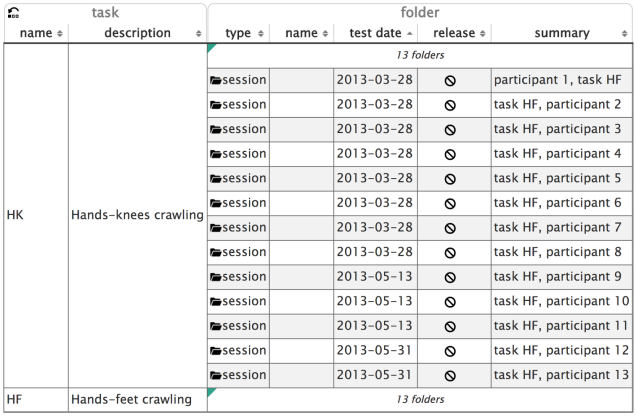
1. a summary tool for the metadata (it's really a pivot table, but it confused people who didn't know what a pivot table was)
2. spreadsheet display of metadata with filter options
3. the option to save the current set of filters as a 'display mode' (if the user has edit privileges) and
4. access previously saved 'display modes'. Two display modes are saved by default - NIH Inclusion Enrollment Report and Session release level summary



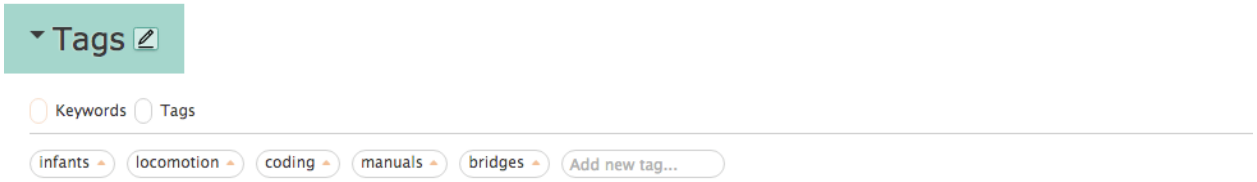
Metadata is organized by tabs (such as participants, tasks) which house columns (such as ID, birthdate, gender, race). All metadata are independently linked to session(s)/ material(s), as in a relational database, and users can switch views between tabs.



Any non-session/material view, will look something like this. Organized first by chosen view, then folder. All the other metadata are listed in “summary”:



Tags

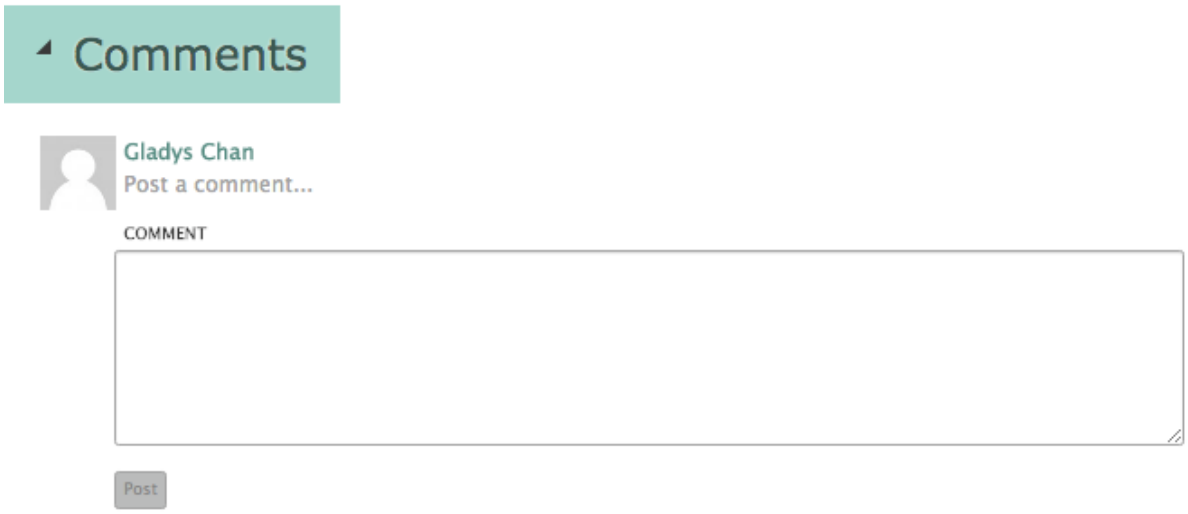


Everyone who can access the volume can add tags. This displays only volume-level tags, and not session-level tags. Depending on how we expect tags and keywords to be used in sessions, this can change or be kept as is.

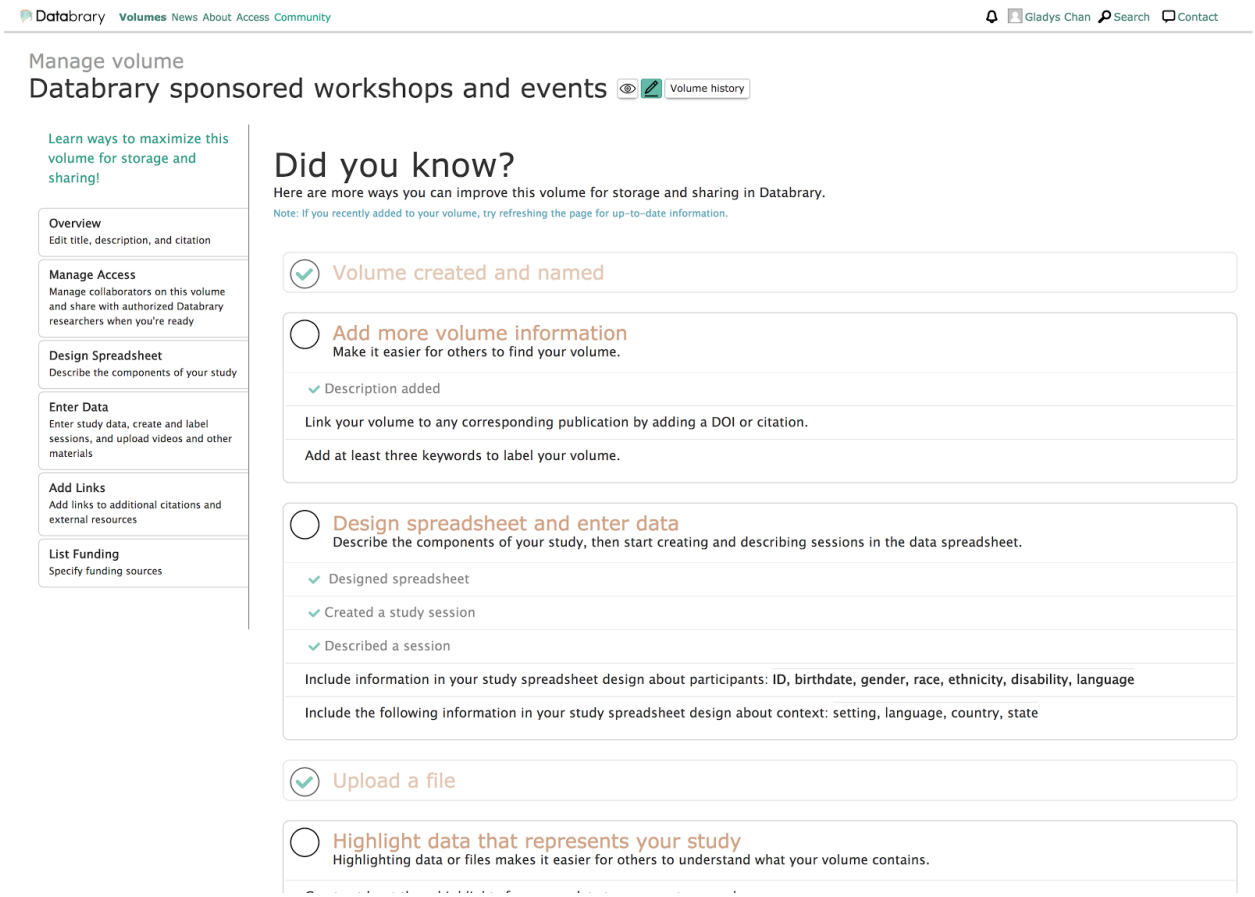
Keywords are tags added in edit mode. The assumption being if you are someone with edit access and you are in edit mode, you want your tags more privileged. No such use case has cropped up for such minute differentiation because people aren't using tags very much to begin with. I think we can probably simplify it such that someone with read/write+ access always adds keywords.

Comments

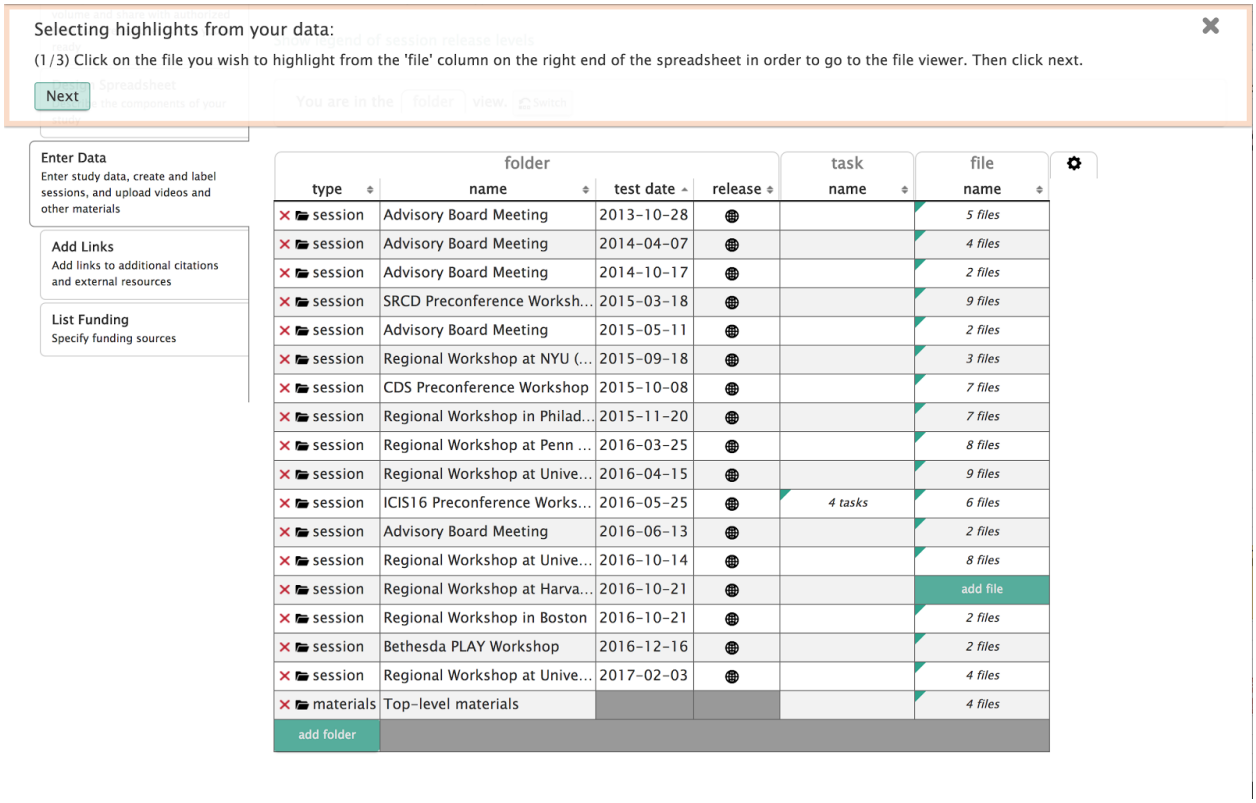
This isn't much used, if at all.



Volume Edit

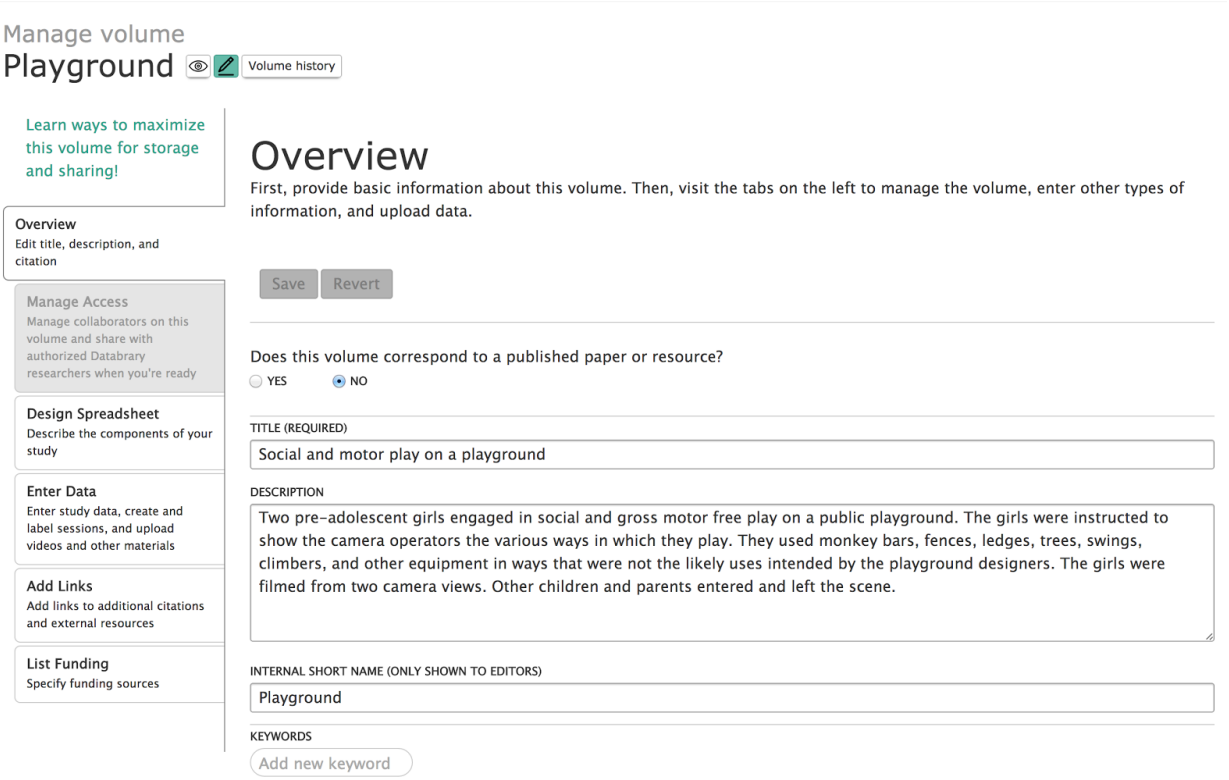


"Did you know" suggests different ways to flesh out a user's volume. When user clicks on a subtask, they're "walked through" how to complete the subtask: The user is taken to the relevant page with a tutorial box sticky at the top of page. The hints and the pages aren't automatically synced, so the user has to manually click the next button for the next hint after following the instructions, which isn't ideal.



Overview Tab:

Where you can edit volume-level metadata and add keywords (which are tags that only editors of the volume can add). If not a published paper, only the title is currently required. Users often end up putting in abstracts of their study into the description, but the level of details vary. Internal short name exists as a field because labs often refer to their studies with one, instead of a more descriptive name that they would put in as their title on papers (or the volume).



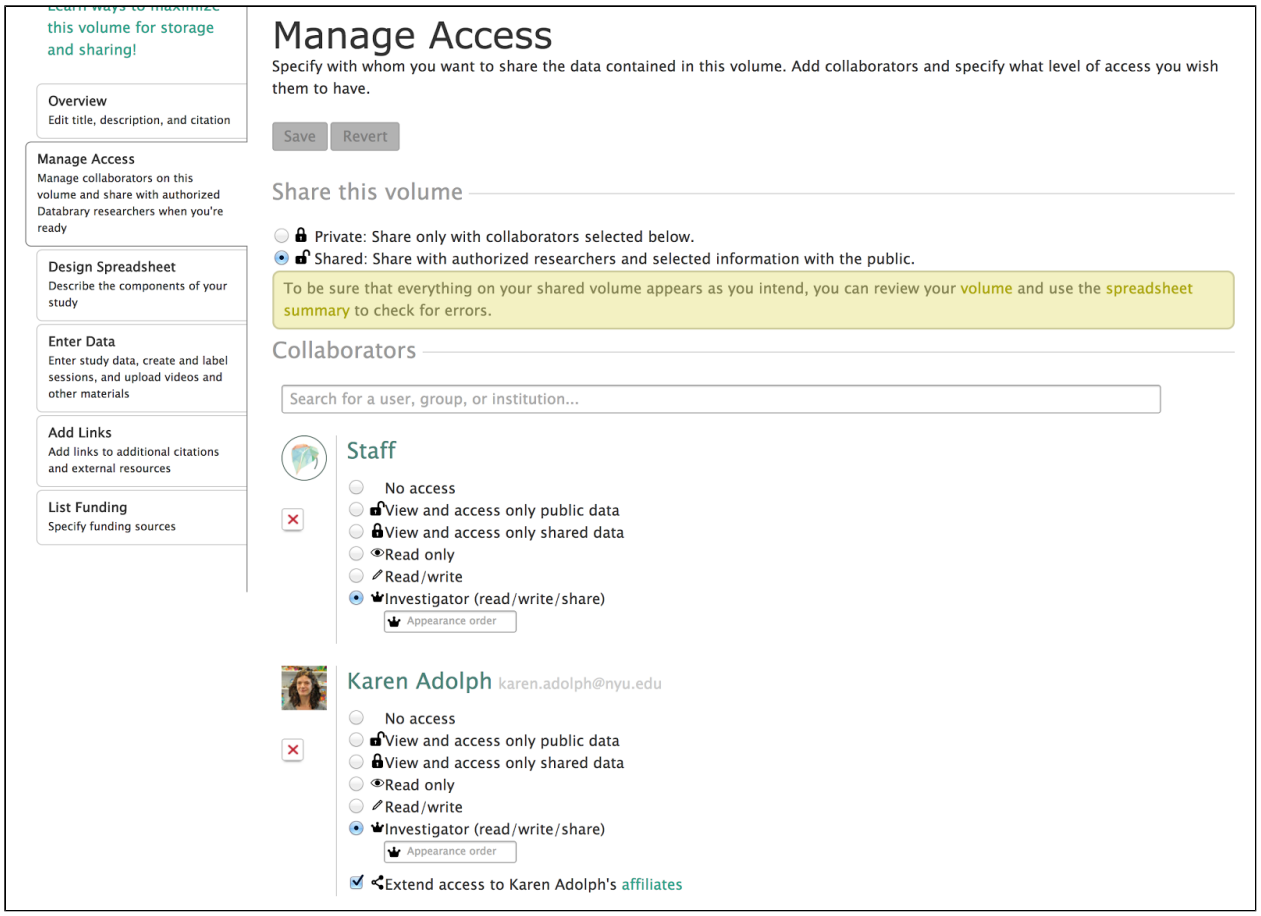
Manage Access Tab:

is the current interface for managing one-to-one, individual access to the volume (Collaborators section) and sharing the whole volume to Databrary (Share this volume section).

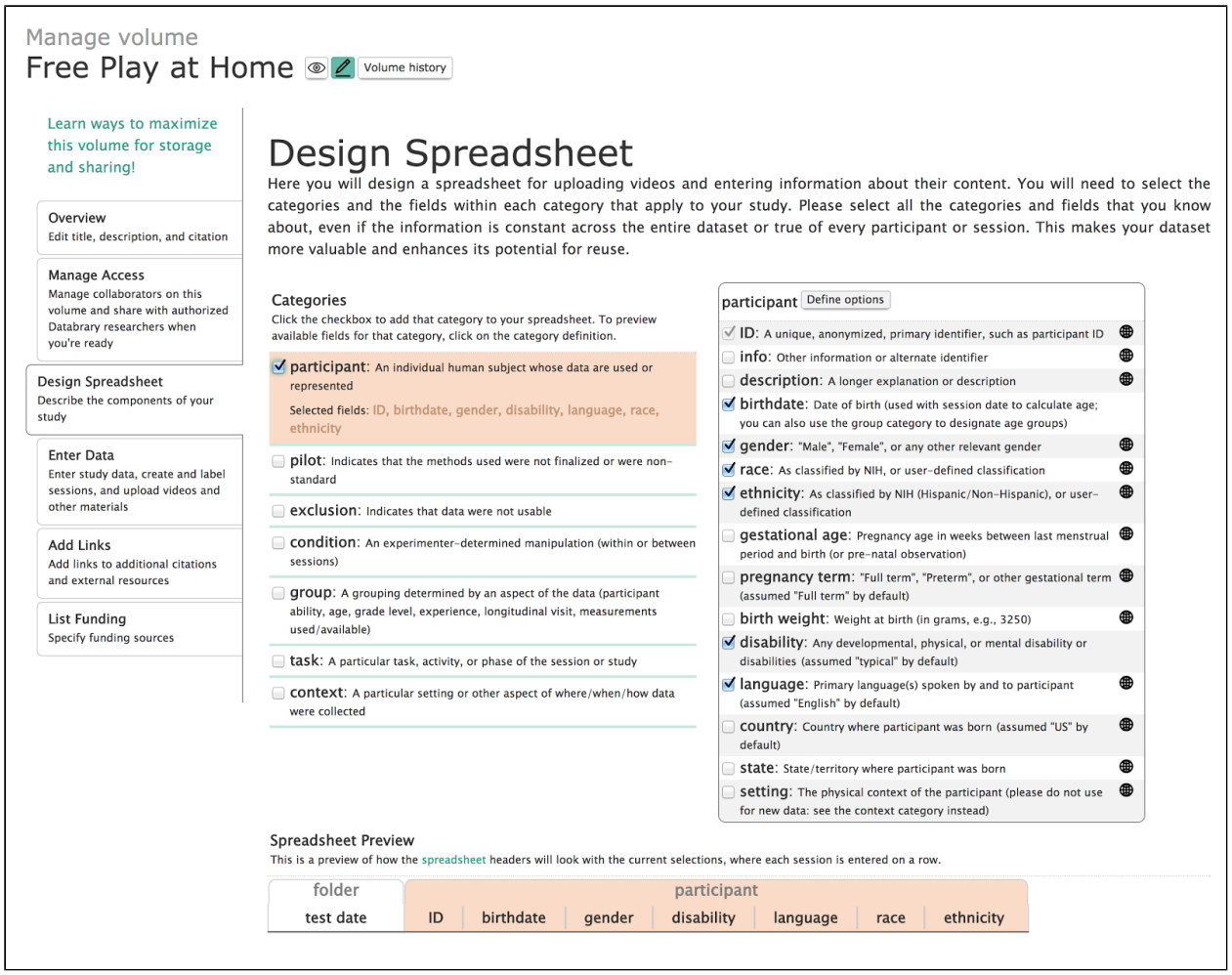
Only investigators (read/write/share) have access to this tab. Because superusers currently use the same interface to manage the site/volumes and for historical reasons, they see all 6 options of level of access for each collaborator, while non-superusers see only “read only”, “read/write” and “read/write/share”. The checkbox for extending access to a collaborator’s affiliates is present regardless of the collaborator’s level of access.

For collaborators who are investigators, they have an additional option to define their order. Right now through a text field, but ideally done by drag and drop, with the option to save or revert.

The collaborator search field for users accesses the database, which is updated in real time (unlike SOLR database for the actual search interface).



Design Spreadsheet Tab:



Currently, Databrary allows only a standardized set of metadata.

In consideration of “standardized vs customized”, although customizable metadata is likely to be most intuitive to users, we’ve gone with standardized because that is more conducive to sharing and reuse, which is the stated mission of Databrary.

The design interface Is both for users to select the metadata they would like to include, but also as a way to convey the specific definitions of each “category” and “field”.

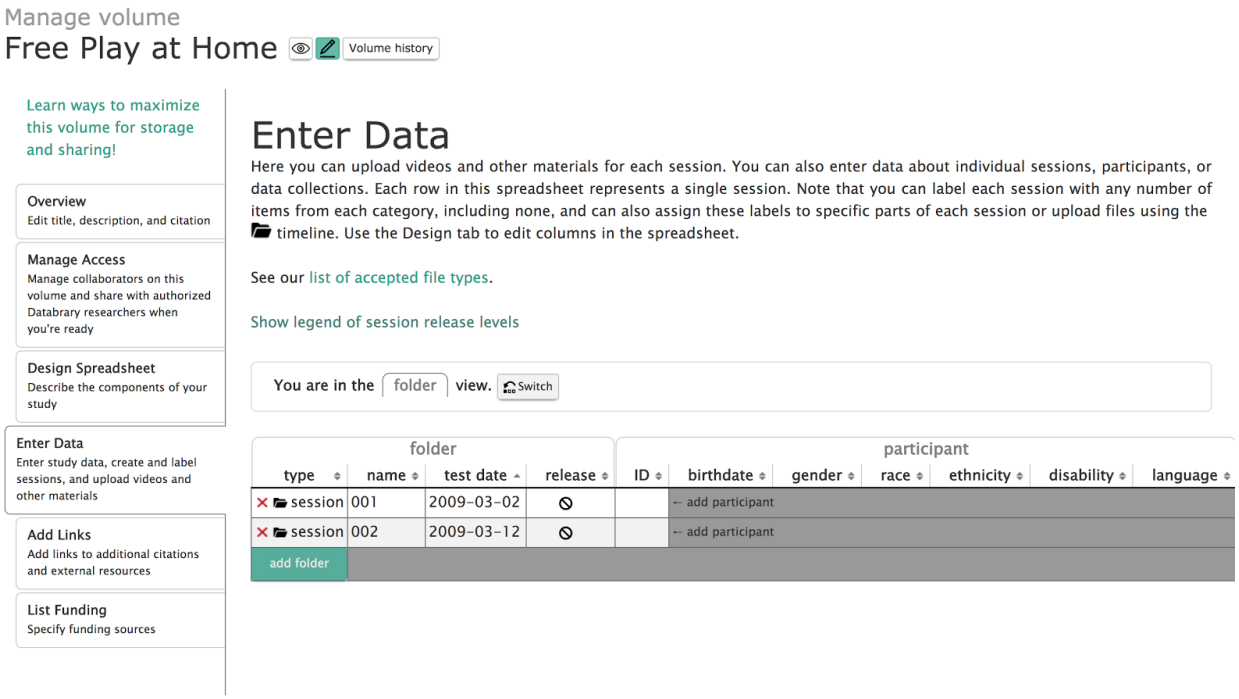
Certain categories and fields are turned on by default because they were deemed essential to basic sharability/ reusability of the datasets.

Toggles here only affect the visibility of those columns in the spreadsheet of the Data section. Meaning, if the user had previously entered metadata and then unchecked the category/field, the data will remain and reappear when they check the category/field again.

“Define option” button takes user to Enter Data tab, with the spreadsheet view switched to the relevant category field. For example, clicking the button from the “participant” category of fields, will take you “participant view” of the spreadsheet.

Changes in this tab are effective immediately.

Enter Data Tab:

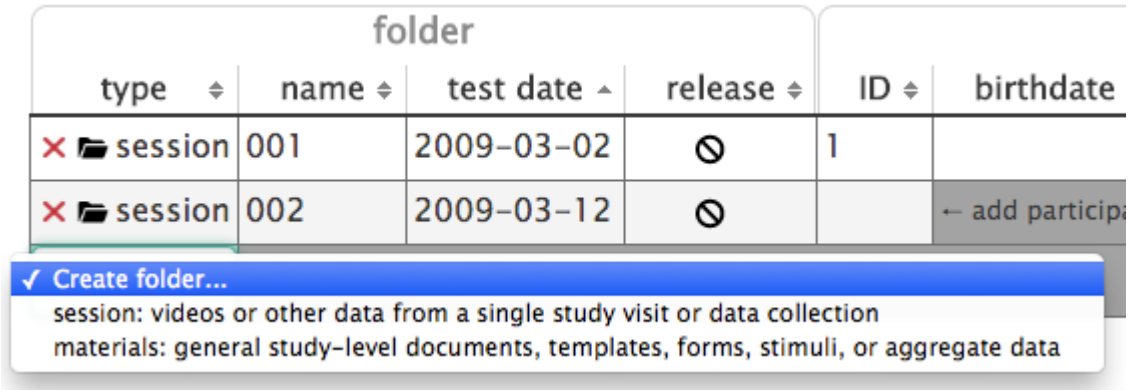


**The spreadsheet was constructed angular free and only certain CSS tags to cut down on the load. Volume 8 is good extreme use case.

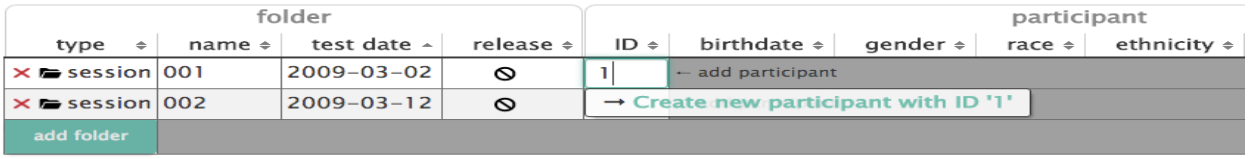
*The Volume - Data section explains the organization of the spreadsheet.

The user creates a new folder by first specifying type: session or materials (see definitions). The functional difference between the two types is that unlike a session, a materials folder doesn't have a test date and a folder-level release attached to it. The assumption is there wouldn't be participant consent associated with materials.

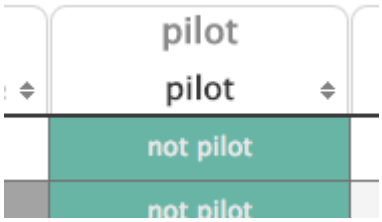
According to folklore, before the spreadsheet interface, materials and sessions had different interfaces. The functional reason for now giving materials folder the same type of functionality as session folders is because of a possible use case where users may want to differentiate and create multiple materials folder based on task, group, or whatever criteria. For example, a group of 24-mo may get a different set of questionnaires versus 12-mo, and a user would be able to put them into separate folders.

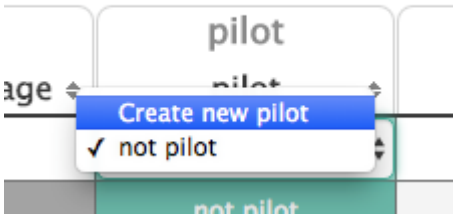


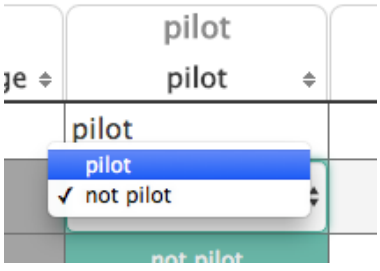
The user can create a new set of metadata by first filling in the unique identifier, ID (in the case of a participant) or name (in everything else).



Most fields have input completers that suggest typical options, but the user is free to input their own. The greyed out text are defaults. If the column is selected, but not filled in, participant disability is typical, and language is English. Context default language is English and country is the US. etc.



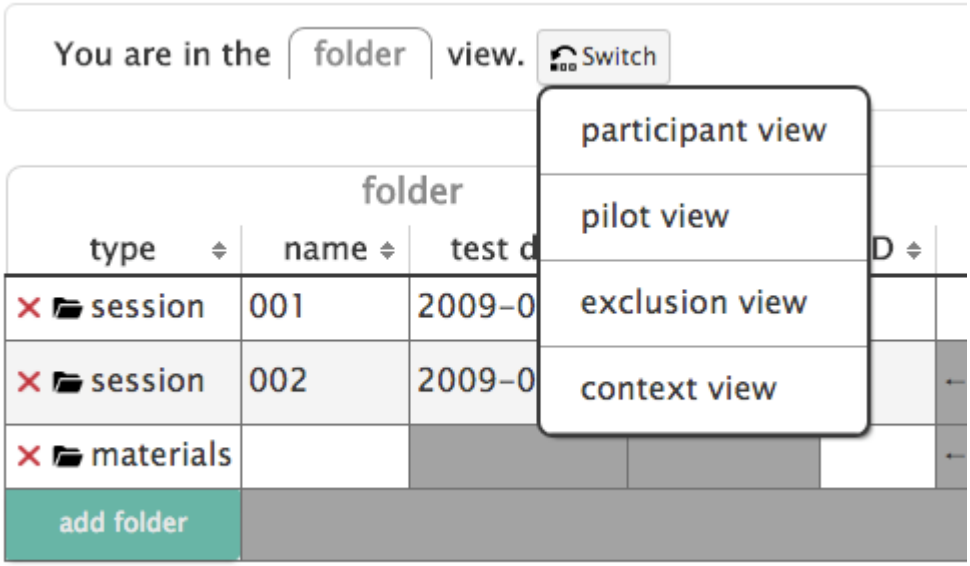




Pilot is the unique one where you can only set it as “pilot” or “not pilot”. Ideally, the dropdown options wouldn’t say “create new pilot” if no pilot has

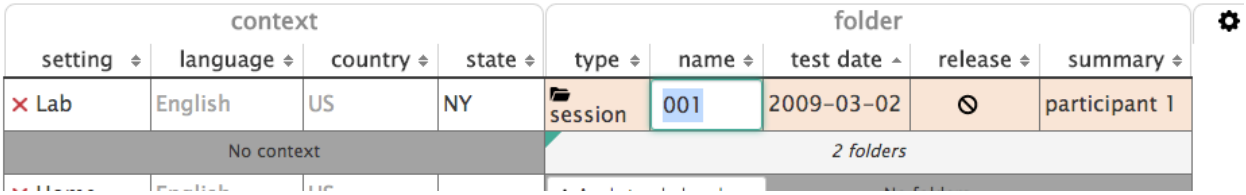
previously been set, and would just go straight to “pilot” or “not pilot”.

As in Volume View - Data section, you can switch between views:

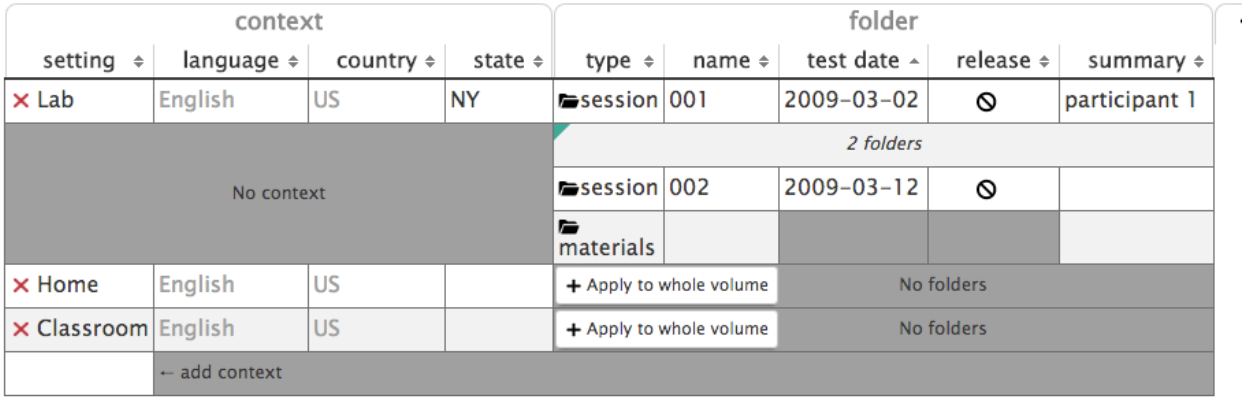


This view is for the user to view/add/remove/edit metadata options more systematically. In the expected use case, a higher-up could input all the options ahead of data collections, and undergraduates later entering data collections to Databrary could pick from the created options instead of typing in new information.

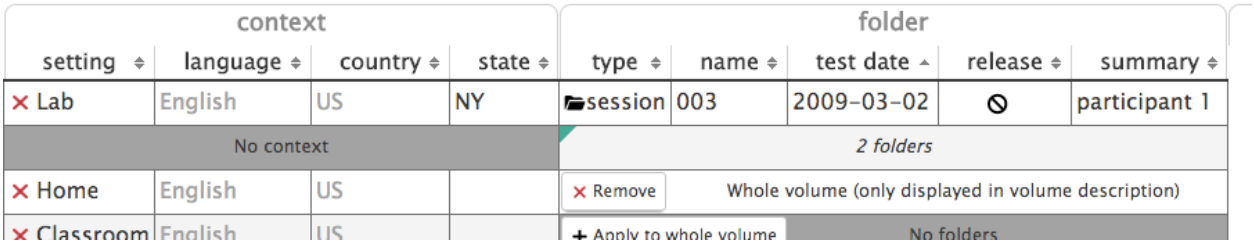
In addition to editing the metadata of the selected category, users can edit folder metadata (type, name, test date, release) but not add a specific new option. I think it might be nice if they could.

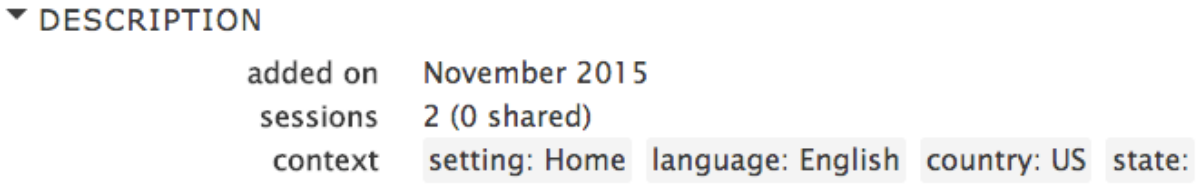


There is also the option to apply the option to the whole volume by clicking the ‘+ Apply to whole volume’ button.

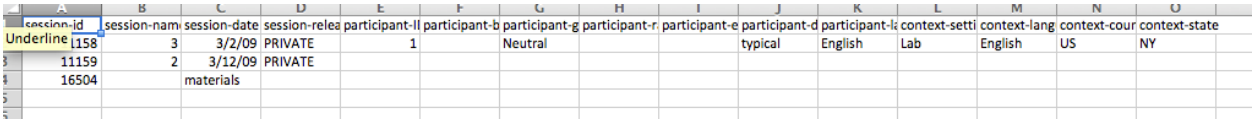


When applied to the whole volume (e.g. most often a study is conducted entirely in the lab, and there is no change in language/country/state it is conducted in), the option is taken out of the spreadsheet and added to the volume description to cut down on space it takes up.



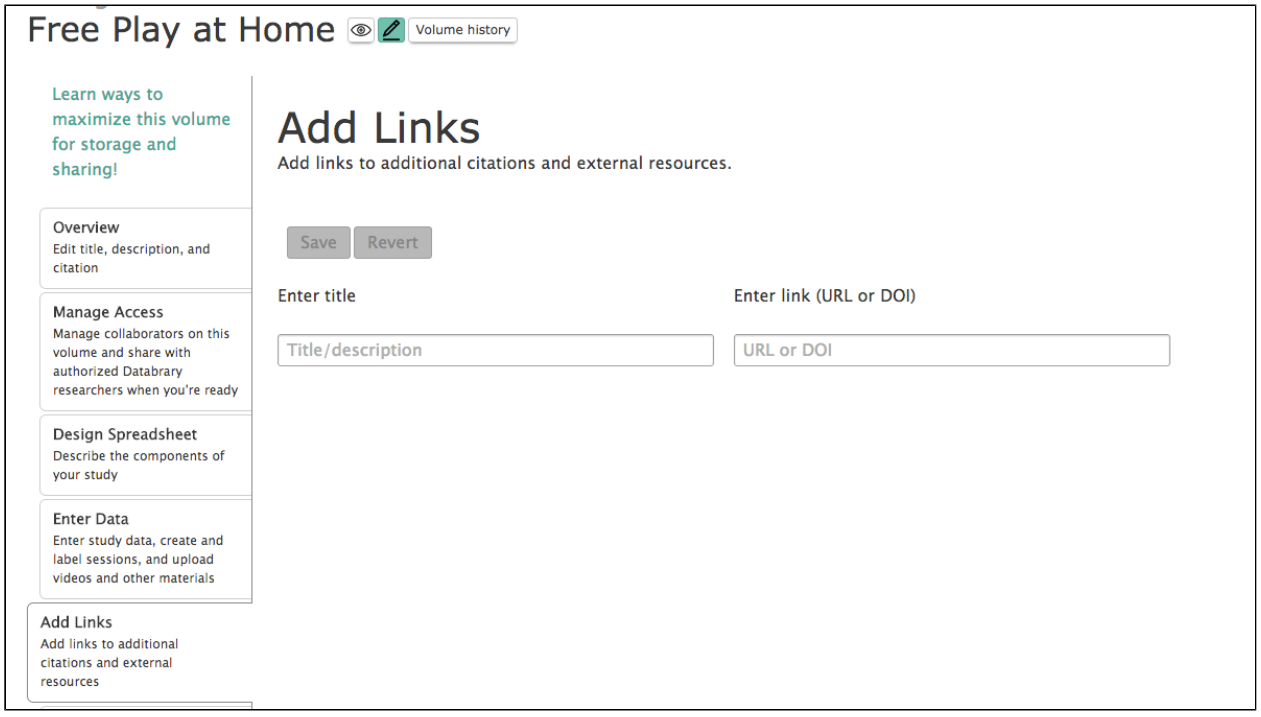


It'll still show up in the exported CSV of the volume



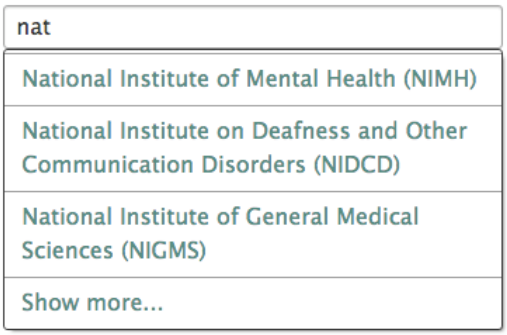
Add Links

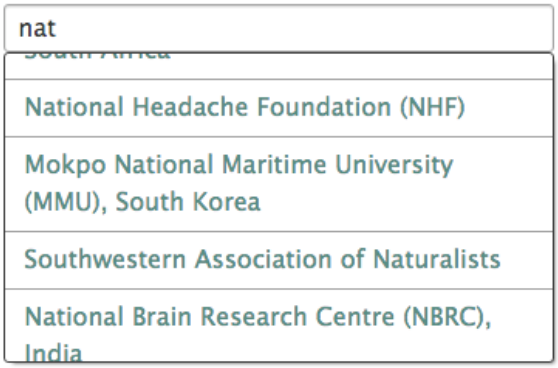
Seems self-explanatory. It only takes a full http:// for URL links though :P



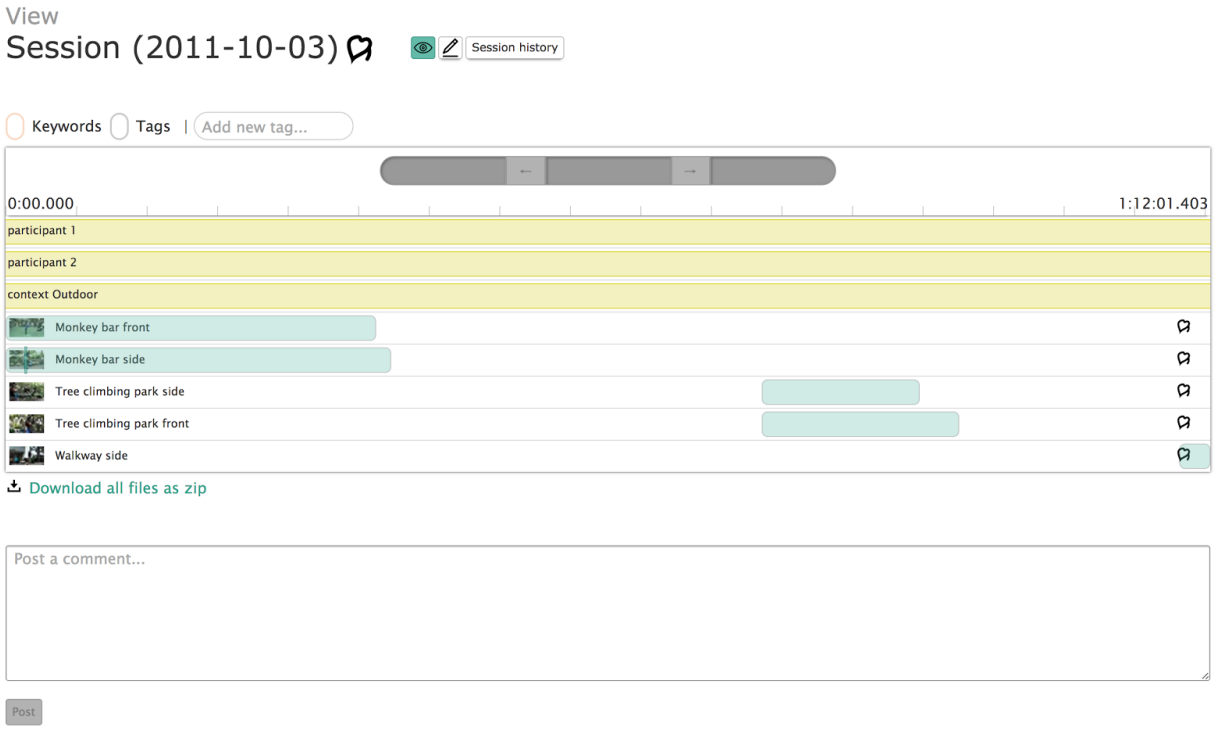
List Funding

Again, quite self-explanatory. Except that it first pulls from one database, and if the user doesn't find the one they want and clicks 'show more', it'll pull from a different, bigger database. I believe the second one is FundRef. The user can't add their own custom funding source at the moment if no matches are found.





Slot View



Shows all files (assets) and metadata (records) associated with a session/material folder (container). List format doubles as timeline when a file or metadata is positioned in time.

Users can download individual files or the whole session as zip.

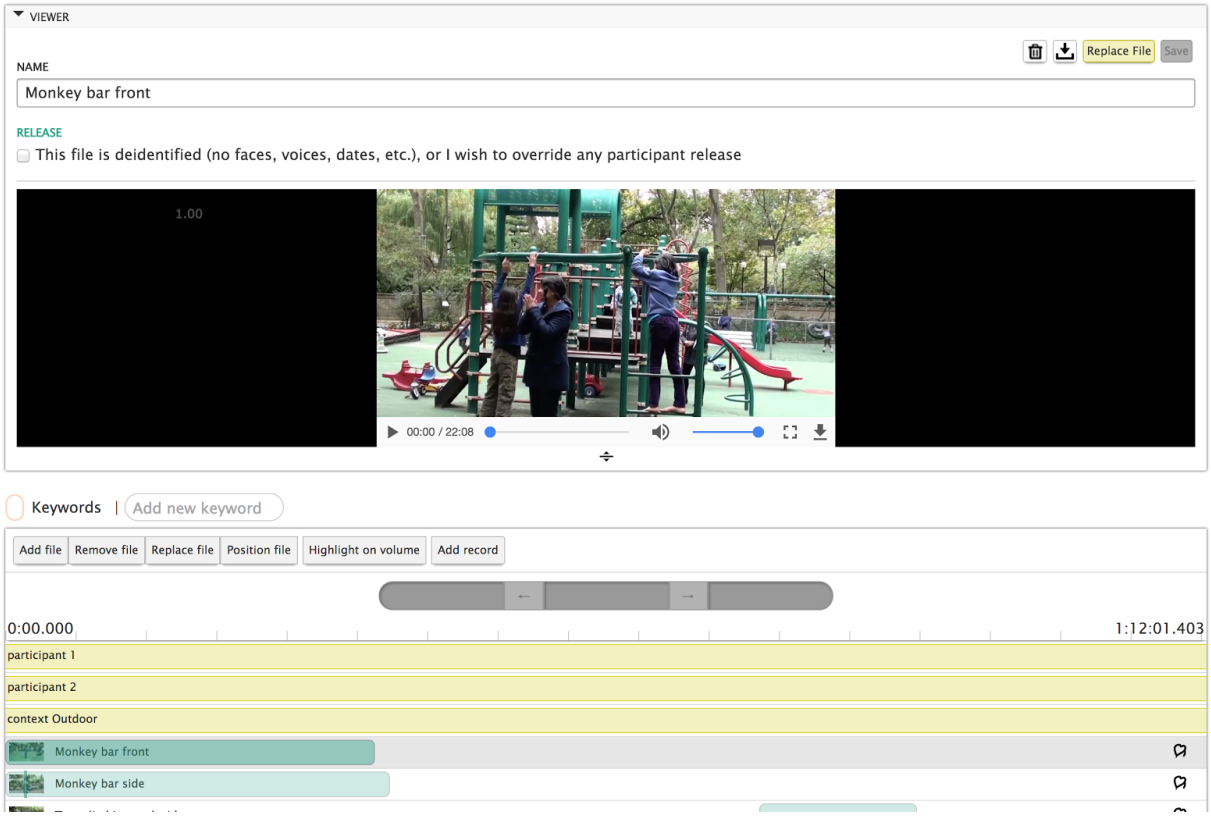
Users can apply keywords (edit mode) and tags (anyone who can read the folder) to the entire or a select duration of the folder.

Any registered (or it might be authorized/affiliated, need to check) user can post a comment I believe.

List/Timeline

When a section of the timeline is drag-selected, option to zoom in on the timeline shows up. If a video is also selected, only the portion within the timeline selection will be played.

In Edit mode



Add new/ remove file or record

Replace file (if file is selected): Name and release settings of original file is kept

Highlight on volume (if file or part of file is selected): Selection shows up in Highlight section of the volume. Option to override source file release, can only be more open but warning will pop up if you do.

Edit highlight (if highlight is selected): Option to change highlight release setting and to remove highlight

Position file/record (if file or record is selected): By entering the timestamp or dragging on the timeline, users can set the durations of static files in time. Videos can only be positioned (not sure about audio).

Viewer

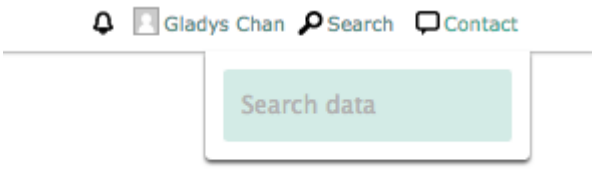
Shows information specific to selected file or metadata in the timeline. Remove/ replace/ rename/ release options available when edit mode is on.

Plays video, audio. Shows images, PDF. Currently not parsing other accepted file types.

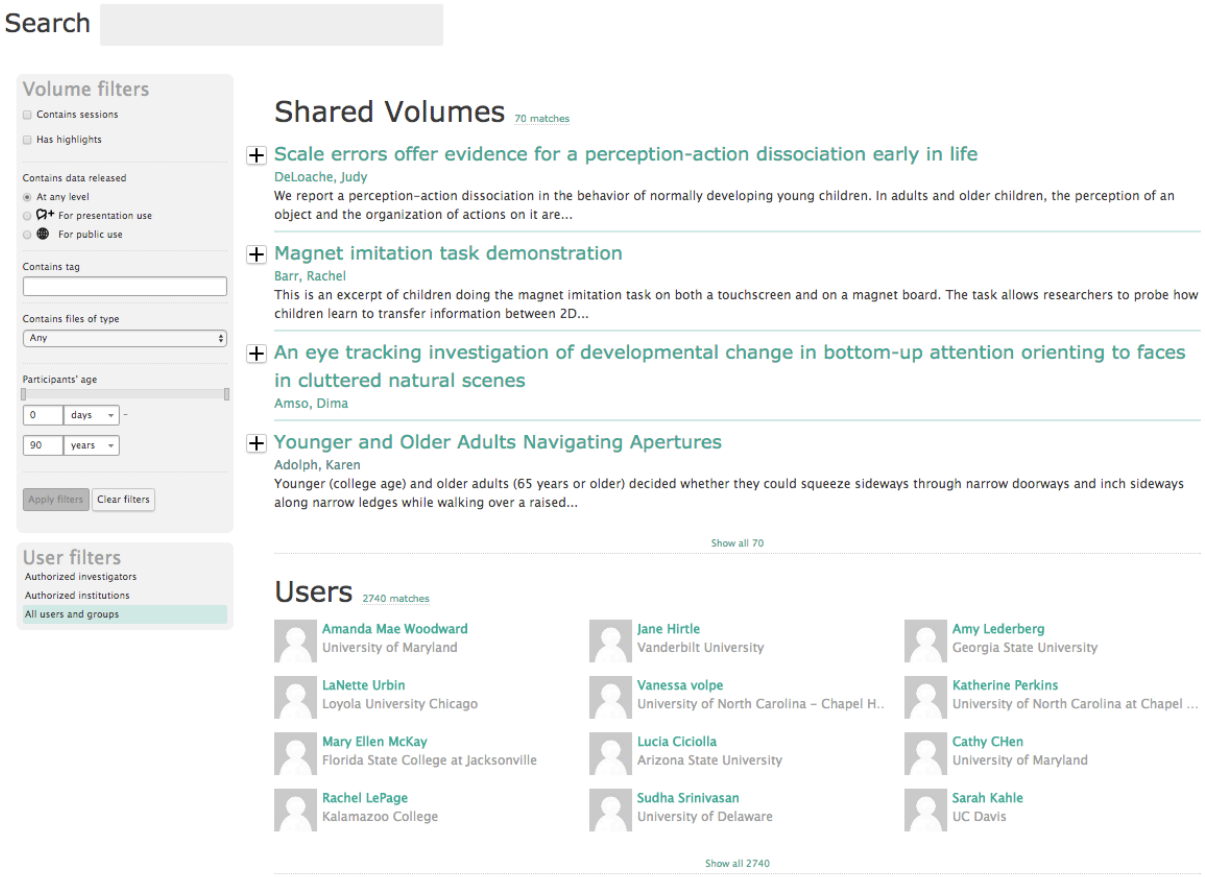
Only plays one video at a time due to unresolved syncing issues when playing multiple together. Videos can be resized in frame, maximum to its original resolution.

Search

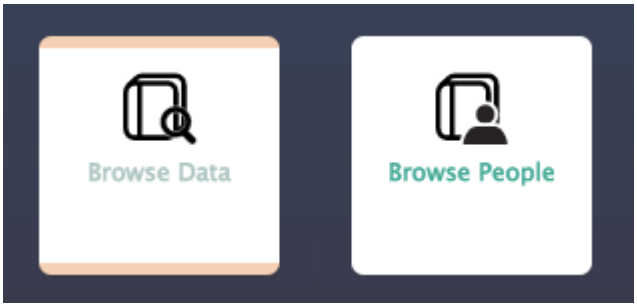
This is currently the way to get to the search interface. If you enter a blank search, it'll get you to the search page anyway, showing everything. I want to add a "more search options" link to make that option more visible.



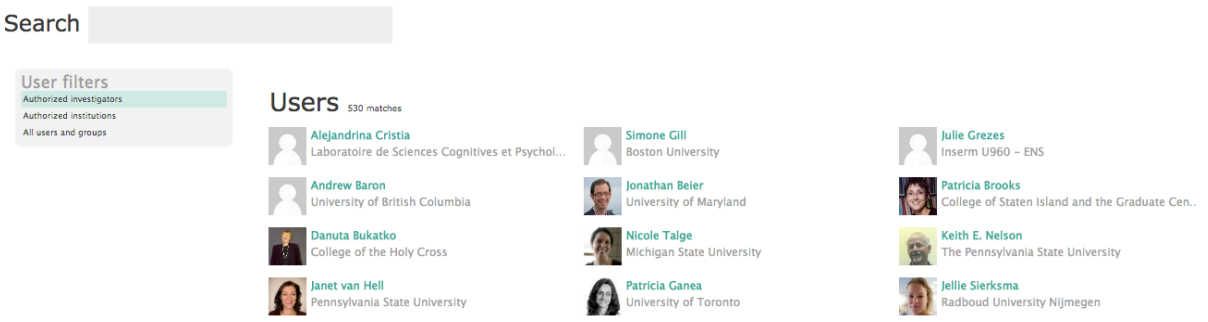
This is how the search page will initially look without having defined whether it's a volume or a users search. If you click on the respective matches, or start to use the filters, it'll start to show only volumes or users.



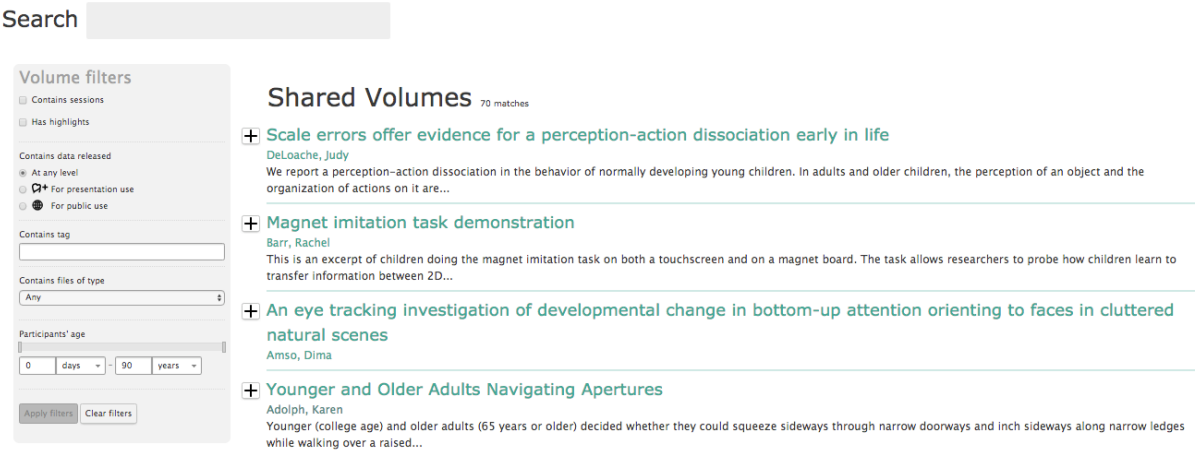
Another way to get to either volumes/ users results directly is If you click through the big buttons on the front page.



User search



Volume search:

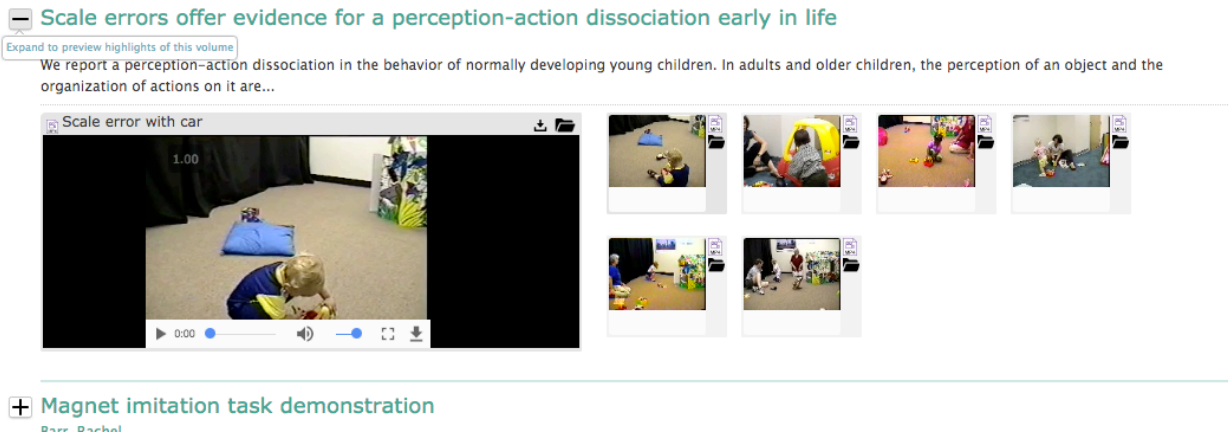


The big search bar doesn't currently, but should include a way to switch search across all/volume/users.

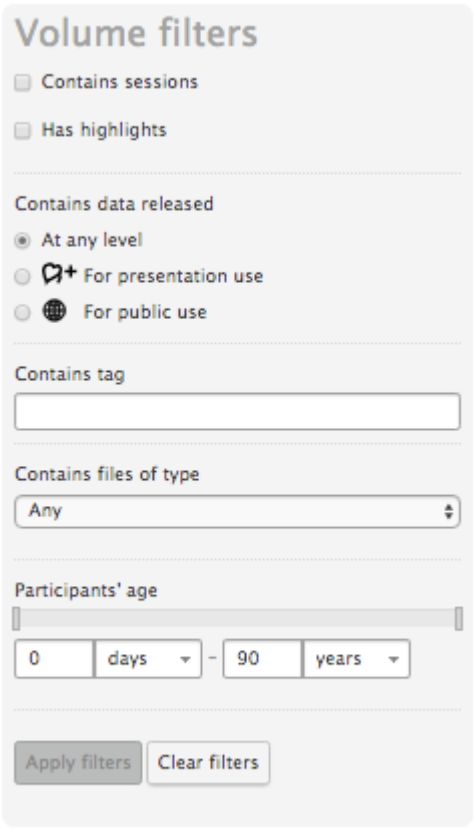
Search queries a separate SOLR database of only public text data (such as the participants' age instead of a certain birthdate. The test year instead of the complete test date). The database is periodically updated (once a day? Please correct.)

The search results returned are from that SOLR database. User can use the expand/minimize button to toggle the highlights section of the volume. Only one volume is expandable at a time. Ideally, there could be some visual indicator for when a volume has no highlights, without the user having to click. But I was told the database cannot pull that sort of information for all the volumes ahead of time (which makes sense, but I wish there were a way :))

** Just as in volume view, highlights that are below excerpts level are still shown.



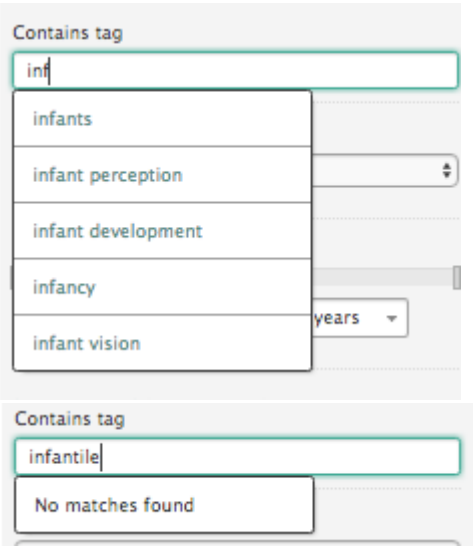
"Contains sessions" and "Has highlights", "Contains data released at xxx level", and "Contains files of types" actions are applied instantaneously. Other filters requiring multi-step actions require an additional click of "Apply filters" button to apply the filter. "Clear filters" apply to everything.



Mostly self explanatory, hopefully.

“Contains data released for presentation use” will include data released for public use. The icons may be confusing - so they can be taken out.

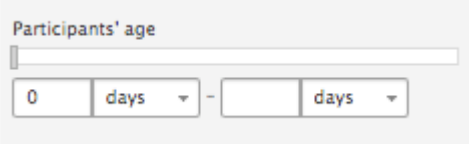
“Contains tag” uses the input completer. If no matches are found, users probably shouldn’t be allowed to click enter and have the search actually run, because it would just return 0 matches.



“Participants’ age” is more zoomed in over younger ages because usually data collection involving infants are most specific, down to the number of weeks. And it gets less fine-grained the older the participants are. Eg. “ adults” are usually someone over 18?

It’s assumed that users who are looking for a specific match (for reuse, perhaps) might type the requirements, and someone who’s just casually

exploring might drag.



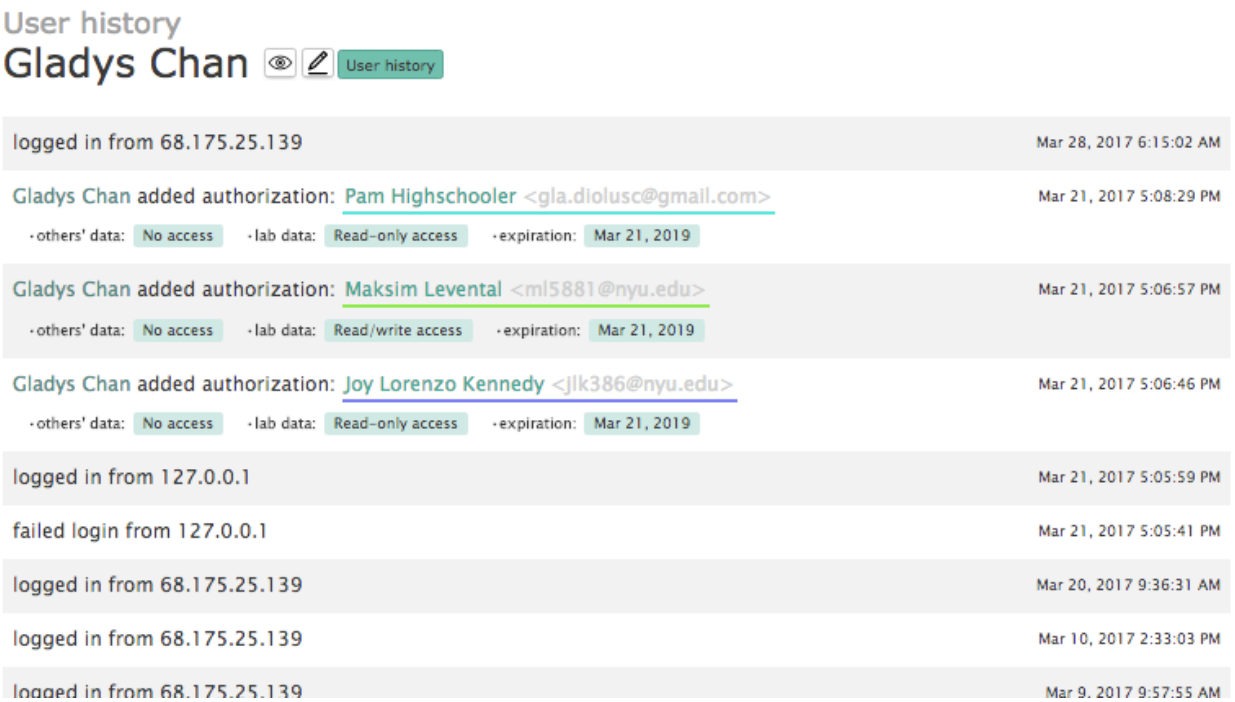
It should be intuitive, but the matching volumes are those that include the set of filter requirements.

Activity/History

The activity/history interface is used in User History, Session/Materials Activity, and Volume Activity.

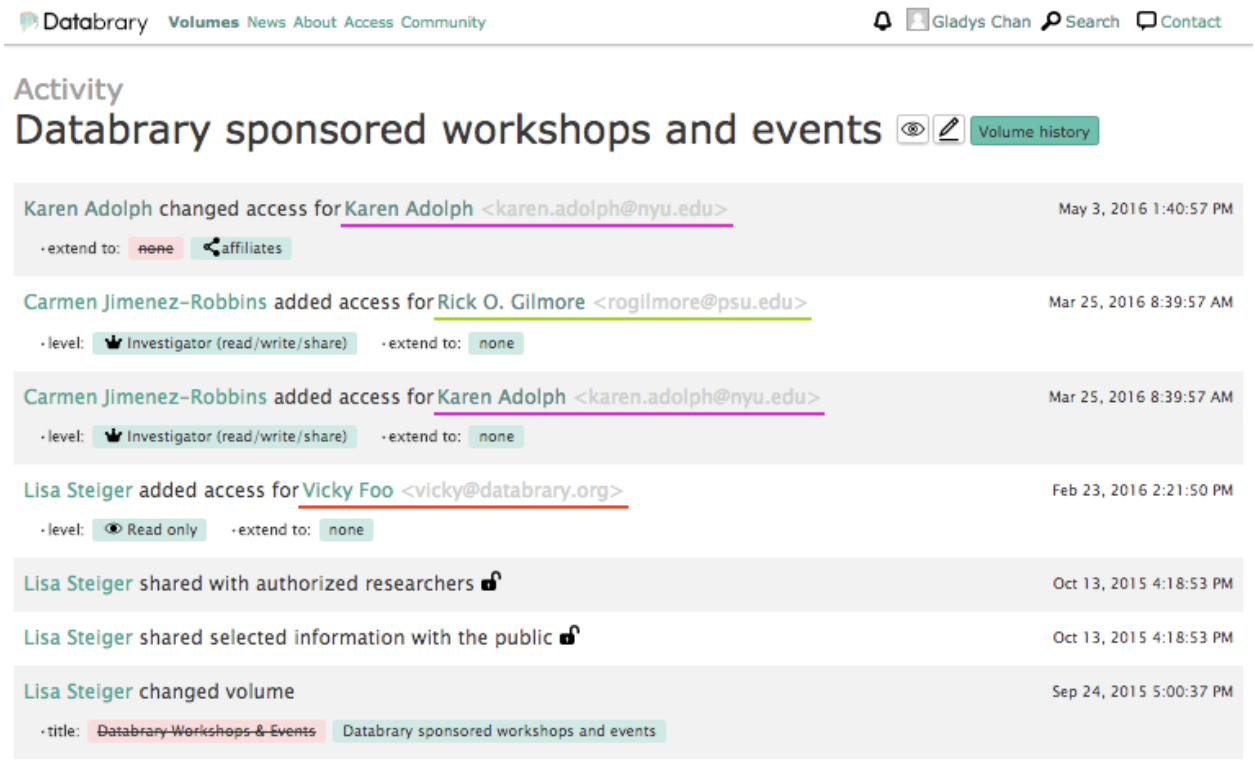
User History:

Includes history of changes you can make in Profile Edit, plus login activity.



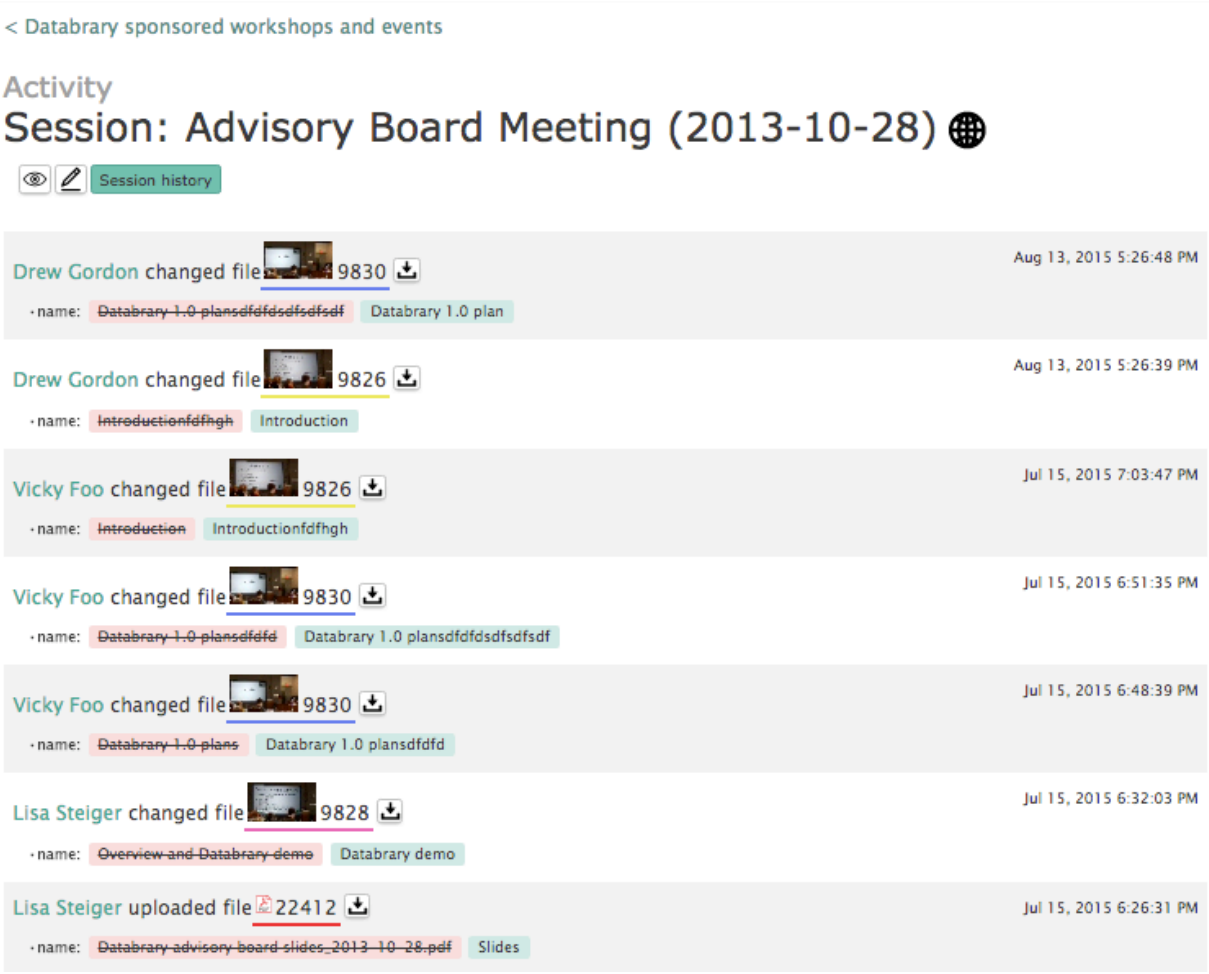
Volume history:

Includes history of changes you can make in Volume Edit, except in spreadsheet.



Session/materials history:

Includes history of changes you can make in edit mode of a session, except application of metadata (I believe?). Mostly intuitive and obvious. If a file was removed from the session, or it was replaced by a different file, this is where you can download the deleted file.

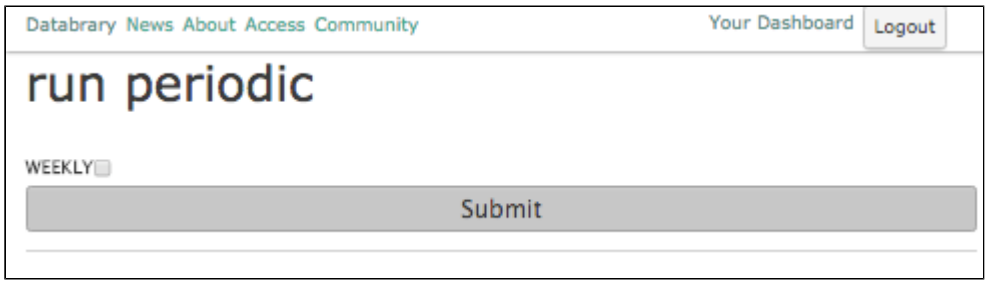


Internal Admin Interfaces/ Functionality

there might be more but I'm not completely sure. These are the ones GC knows of, or has used.

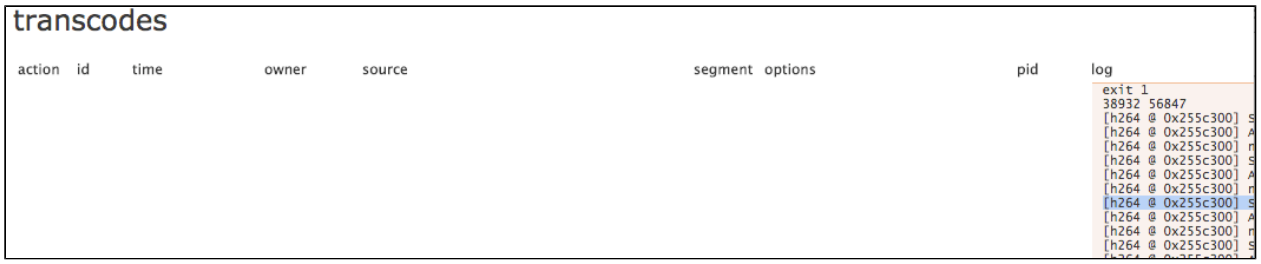
/admin/periodic:

clicking submit updates the SOLR database

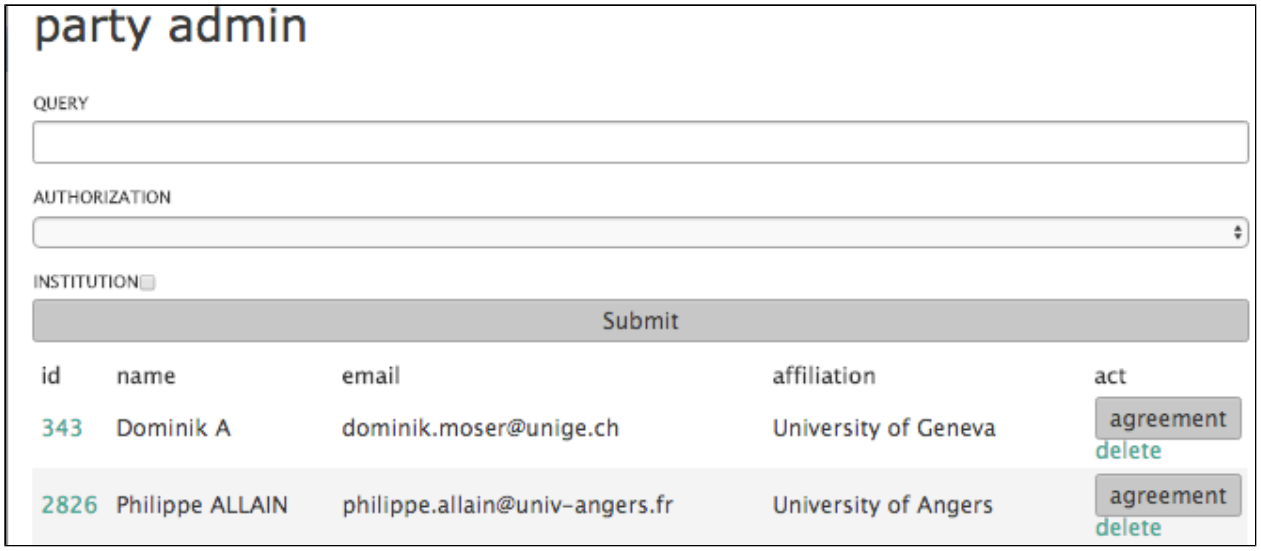


/admin/transcode:

drew used to manage and work from this interface



/party/admin:



- Query takes id/name/ email/ affiliation. Potentially more, but I'm not aware.
- Authorization allows superuser to filter through users by levels of site access
  - None: no access
  - Public: should be relics of the past, kept for some transitional reason
  - Shared: should be a relic of the past, kept for some transitional reason
  - Read: affiliates of Authorized Investigators who are given Databrary access
  - Edit: Authorized Investigators, with the exception of Institutions with special arrangement (for details talk to Authorization people)
  - Admin: Institutions and Databrary superusers
- Delete: deletes the account
- Agreement: sends agreement to listed email

/party/csv:

Entering the URL generates CSV of users, mainly for newsletter and communication purposes.

CSV columns: party id/ last name/ first name/ email/ site access/ newsletter preference (0 = NONE, 4 = "Immediate email". Should always only have 0 and 4, since those are the only available options)