

Search Mockup

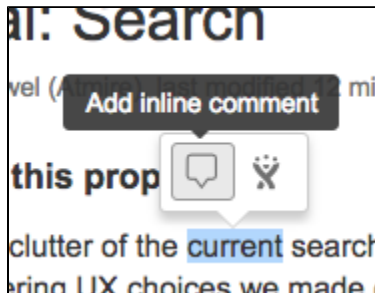
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The goals of this proposal

- reducing clutter on the current search pages
- reconsidering UX choices we made earlier
 - e.g. when we first added facetted search to dspace, it wasn't something the average user had a lot of experience with. These days most webshops, search engines, etc. have some form of facetted search.
- making use of the advantages of a javascript UI
 - e.g. parts of the page can update without a classic page reload

Note: you can make inline comments by selecting a word and hovering over it for a moment:



Facets are shown in a sidebar

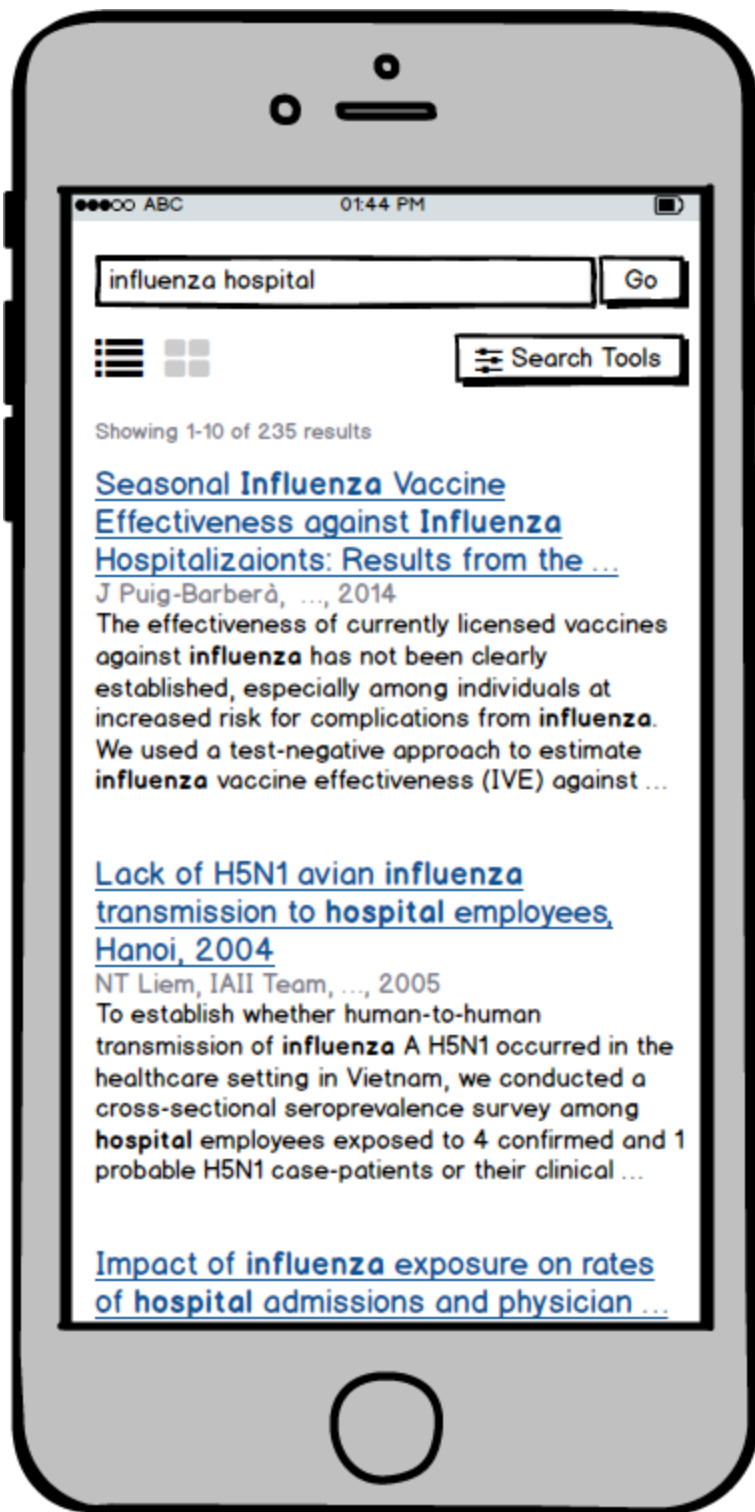
- That side bar stays fixed, when scrolling
- The design assumes that there will be no navigational sidebar (with sections browse, my account, admin, etc)
 - the goal is to move this to a navbar at the top of the screen, but the navigation design needs an entire wiki page to itself

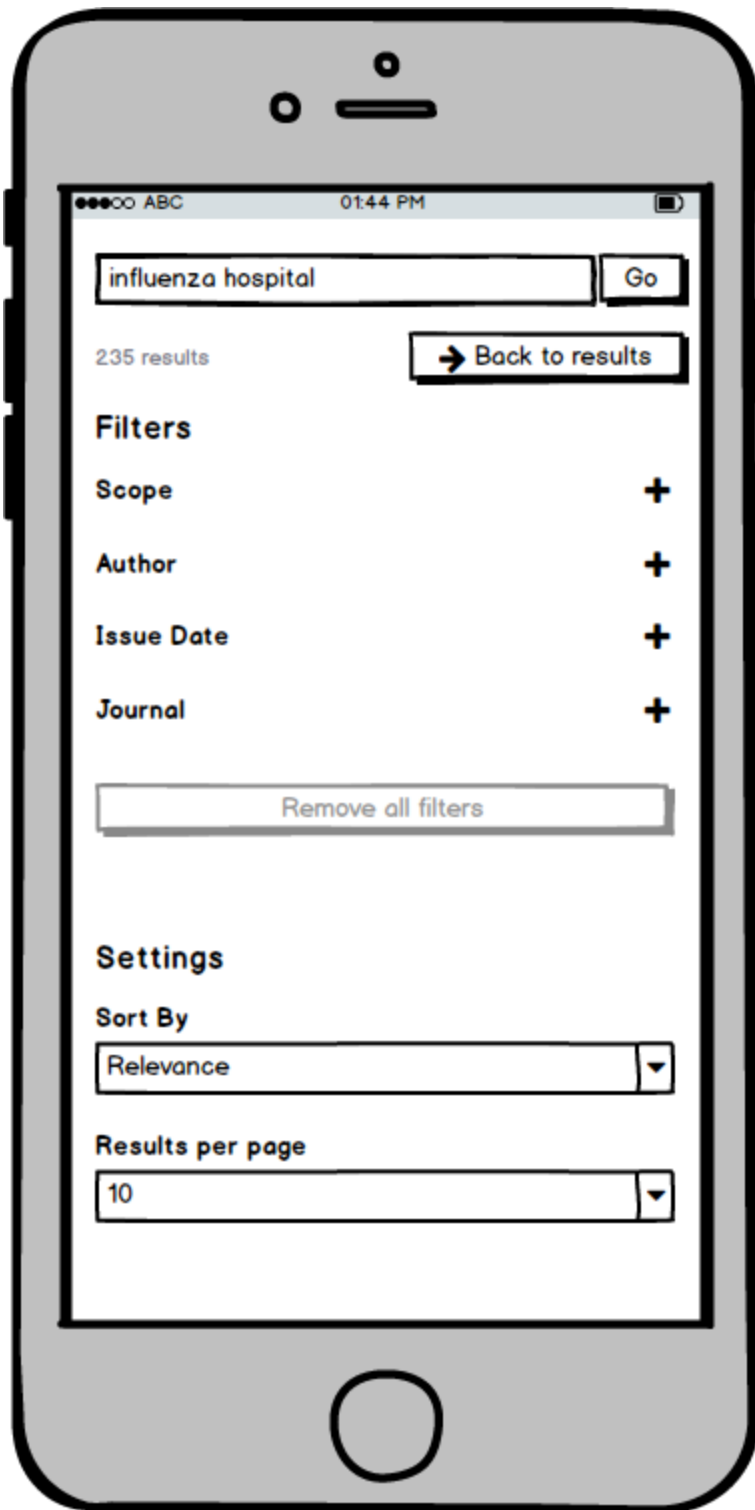
The gear dropdown is removed

- its contents move to the sidebar as well

Facets are collapsed by default

- you only see the name of the field
- you need to click that name to open it
- this makes the page seem less convoluted and daunting
- it also makes it easier to use on mobile
- It should still be configurable to have them open by default





Advanced filters and facets are combined

- A advanced filter input is shown underneath the list of values for a facet
- fields can be configured to have either a facet, an advanced filter, or both
- the order in which the fields appear should be configurable

Active filters are shown in their respective section

- no longer as a tag at the top of the page

- that way, if you want to find a filter on Issue Date, for example, you can go search in the issue date section, where you activated it, rather than at the top of the page.
- although, I am willing to show them at the top of the page as *well* if people think we should.

Selecting filters

- A facet value is an unchecked checkbox, an active filter is a checked checkbox
- if you select a facet or a filter, the number next to it (showing the number of matching results) disappears
 - All selected filters are applied when they're selected, so that number would always be equal to the number of search results.
- Selected filters will be shown both at the top of their category, and as tags underneath the search box

The screenshot shows a web-based search interface. At the top, there is a search bar with the text "influenza hospital" and a "Go" button. Below the search bar, there are two active filters: "Russ B. Altman" and "1980 - 1985". The interface is divided into two main sections: "Filters" on the left and "Search Results" on the right.

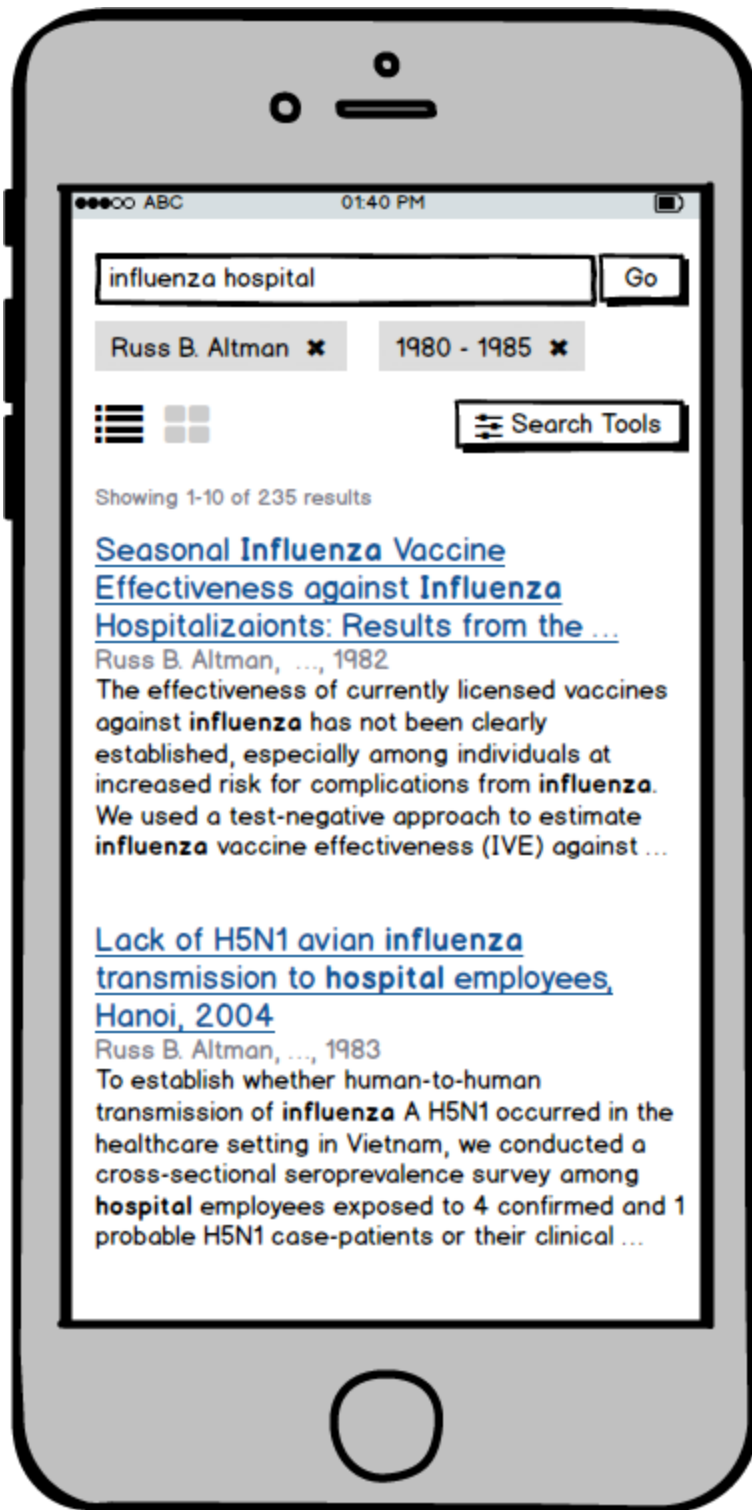
Filters Section:

- Scope:** A plus sign (+) indicates that the scope filter is expanded.
- Author:** A minus sign (-) indicates that the author filter is collapsed. The list of authors includes:
 - ☒ Russ B. Altman
 - ☐ A Natividad-Sancho (7)
 - ☐ NT Liem (5)
 - ☐ L Dodds (3)
 - ☐ DB Fell (1)
 A "Show more" link is present below the list.
- Issue Date:** A minus sign (-) indicates that the issue date filter is collapsed. The date range is set from 1980 to 1985. A list of years with their corresponding result counts is shown:
 - ☐ 1980 (20)
 - ☐ 1981 (32)
 - ☐ 1982 (19)
 - ☐ 1983 (29)
 - ☐ 1984 (16)
- Journal:** A plus sign (+) indicates that the journal filter is collapsed.
- A "Remove all filters" button is located at the bottom of the filters section.

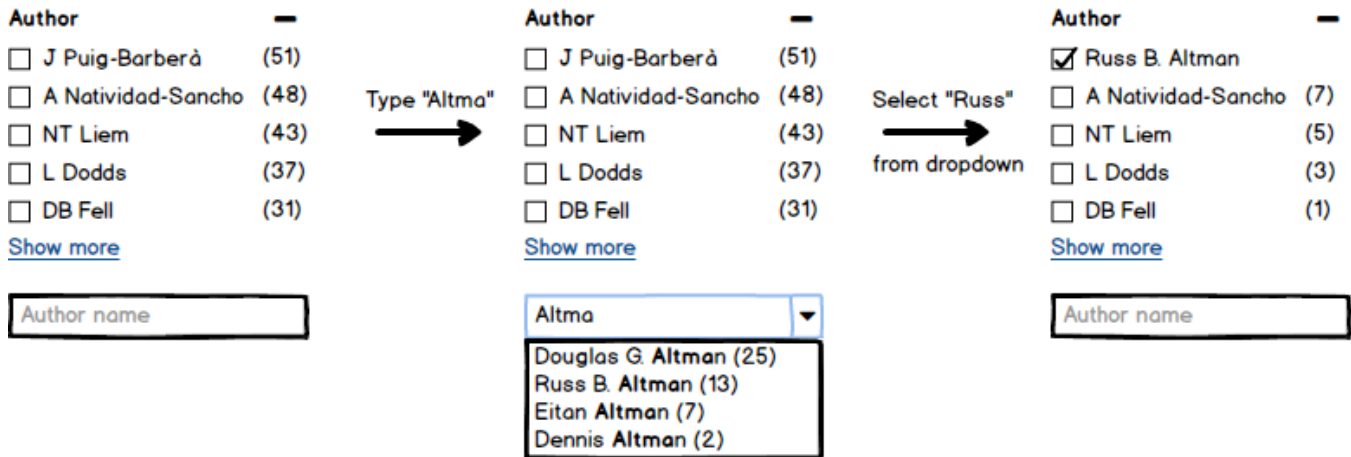
Search Results Section:

Showing 1-10 of 235 results

- Result 1:**
 -
 - Seasonal Influenza Vaccine Effectiveness against Influenza Hospitalizations: Results from the Global Influenza Hospital Surveillance Network**
 - Russ B. Altman, A Natividad-Sancho, O Launay... - PLoS ..., 1982
 - The effectiveness of currently licensed vaccines against influenza has not been clearly established, especially among individuals at increased risk for complications from influenza. We used a test-negative approach to estimate influenza vaccine effectiveness (IVE) against hospitalization with laboratory-confirmed influenza ...
- Result 2:**
 -
 - Lack of H5N1 avian influenza transmission to hospital employees, Hanoi, 2004**
 - Russ B. Altman, IAI Team, WL Vietnam - Emerging infectious diseases, 1983
 - To establish whether human-to-human transmission of influenza A H5N1 occurred in the healthcare setting in Vietnam, we conducted a cross-sectional seroprevalence survey among hospital employees exposed to 4 confirmed and 1 probable H5N1 case-patients or their clinical specimens. Eighty-three (95.4%) of 87 eligible employees completed a questionnaire and provided a serum sample, which was tested for antibodies to ...
- Result 3:**
 -
 - Impact of influenza exposure on rates of hospital admissions and physician visits because of respiratory illness among pregnant women**
 - Russ B. Altman, SA McNeil, DB Fell, VM Allen... - Canadian Medical ..., 1981
 - Excess deaths have occurred among pregnant women during influenza pandemics, but the impact of influenza during nonpandemic years is unclear. We evaluated the impact of exposure during nonpandemic influenza seasons on the rates of hospital admissions and physician visits because of respiratory illness ...

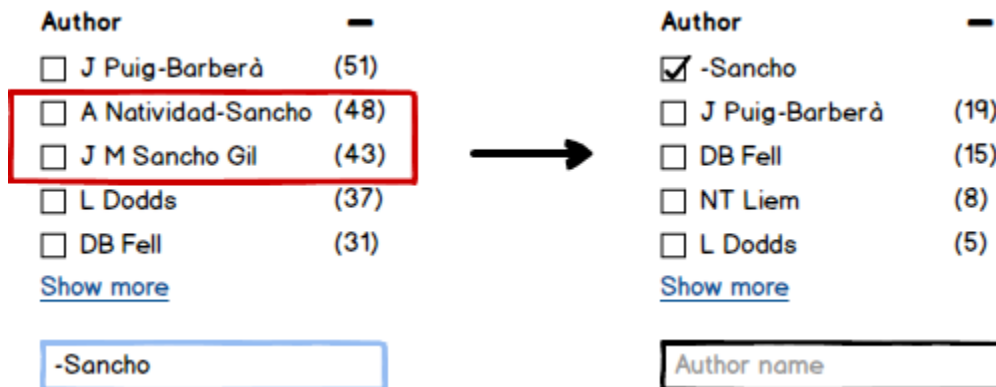


Filter inputs have autocomplete



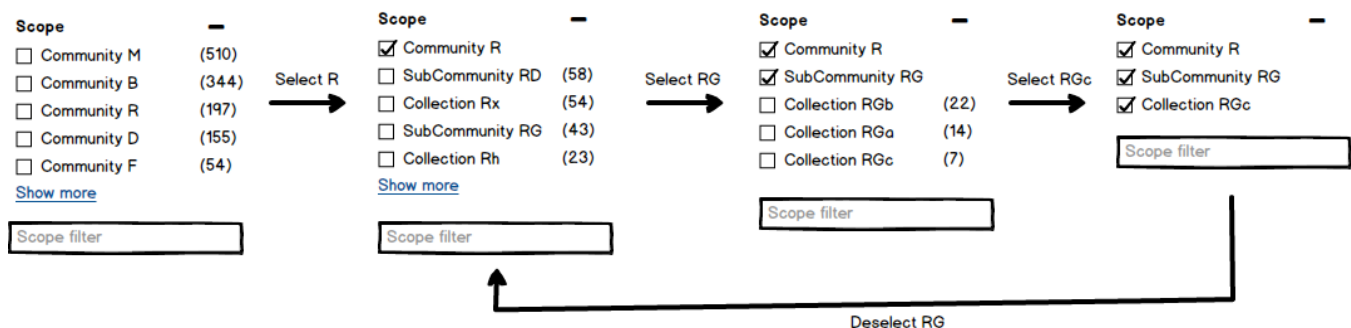
The equals, contains, not, ID, etc dropdown has been removed

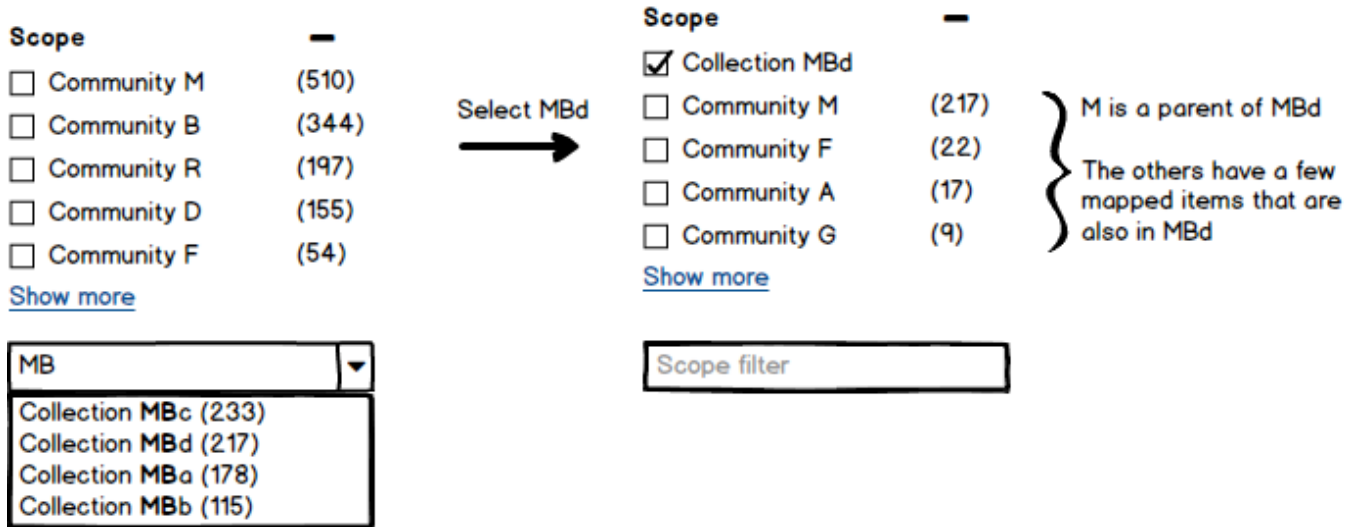
- Currently the same list of options is used everywhere, but doesn't make sense for each field
- It makes the UI look more complicated for novice users
- Even advanced users have to learn to work with it, before they understand exactly what every option means and how it works
- So I propose we remove them, and use a single input with (a subset of) the lucene syntax
 - for 'not'
 - * is a wildcard
 - id:e184785b-bb21-4168-8c43-b0070728a64a



Scope is just another facet/filter

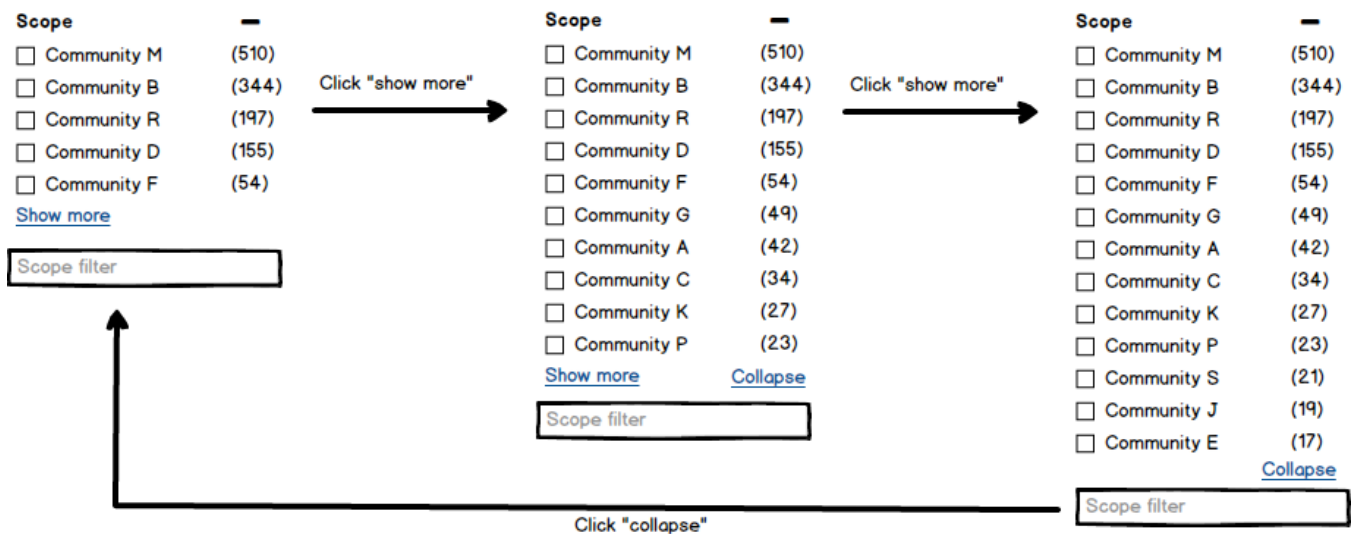
- it's more useful to show scope as a facet, compared to the dropdown we have currently
- You have the most relevant communities at the top
- selecting a community will show its children, the most relevant first, etc
- you also have an autocompleting input at the bottom, to select a specific community or collection immediately





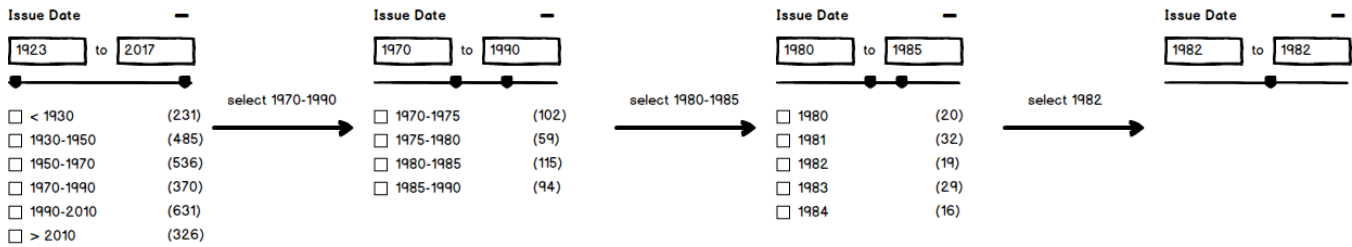
'Show more' happens in place

- the list just gets longer by a page size (e.g. 5)
- if there are more than 10, there's another show more link at the bottom to show the next set, etc.
- if show more is clicked at least once, a collapse link appears next to it



Dates have a dedicated widget

- Show both from and to inputs at the top, and a slider below
 - a slider is more useful with a mouse, the inputs are more accurate with a touch screen
- Underneath that divide the total available date range for the repo in to a fixed number of ranges
- If you select a range, the inputs and slider are updated, and a new set of categories for the current range appears
- if you get to a single year, there are no more categories
- categories are shown as checkboxes for consistency with the other filters,
 - with this way of working they will never actually get checked, and could be replaced with links



A grid view mode for search results is added

- as way for repositories that have nice thumbnails to showcase them
- a grid of [cards](#)
- shortened fields are expanded when clicked
 - that's why there's a view button, clicking the card doesn't take you to the result
 - clicking the thumbnail will take to the result as well
 - if a card expands, the other cards in the row grow with it
 - to ensure the grid stays uniform
- 4 cards per row on xl screens, 3 on lg and md, 2 on sm and 1 on xs
 - the number of results per page is a multiple of 12 to ensure you have filled rows in most cases
- Both grid and list view can be disabled or made the default.

