

Patchwork Filters

<https://github.com/belenbarrospena/patchwork-redesign>

<https://github.com/belenbarrospena/patchwork-redesign/all-patches.html>

Filters

[Table of contents](#)

An inventory of the Patchwork filters	3
The 'Series status' filter	4
The 'Date' filter	7
The 'Submitter' filter	10

Filters

An inventory of the Patchwork filters

Filter		
Series status	All series	
Date	All series	All patches
Submitter	All series	All patches
Reviewer	All series	
Tests	All series	
Patch status		All patches
Delegated to		All patches
Tags		All patches
Search	All series	All patches

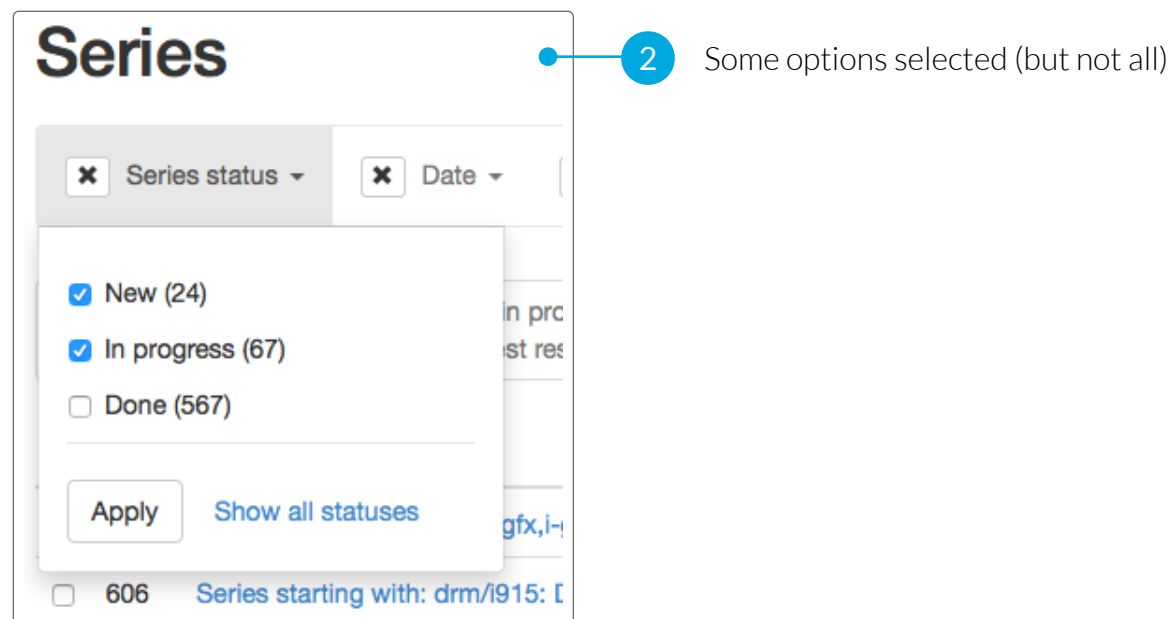
An inventory of the Patchwork filters

The table on the left lists all the filters we have added to Patchwork, and the page(s) in which they display.

Currently, we use filters only in the ‘all series’ and ‘all patches’ tables. I’ve left them out of the ‘bundles’ table because current Patchwork does not provide this feature, and we agreed we would simply replicate the existing bundles functionality for the time being.

Filters

The 'Series status' filter



The 'Series status' filter

Type: multiple selection

States: 3

1. All options selected
2. Some options selected (but not all)
3. No options selected

Default state: number 2, with the 'New' and 'In progress' options selected.

State 1: All options selected

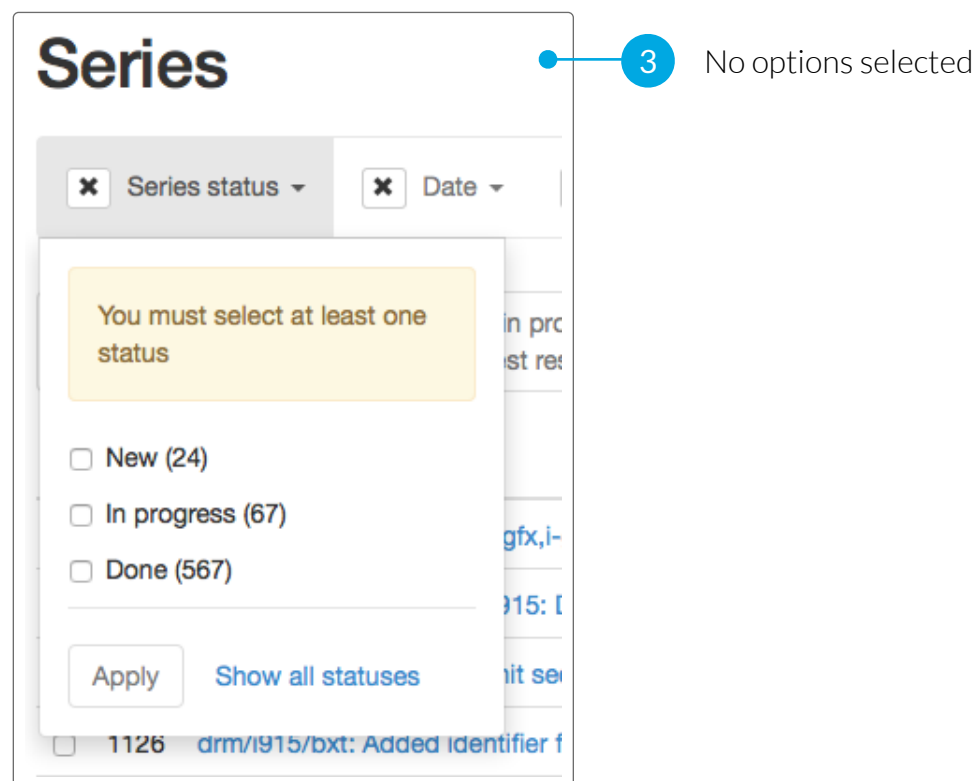
- All checkboxes are checked
- We show an enabled "Apply" button

State 2: Some options selected

- 1 or 2 checkboxes are checked
- We show an enabled "Apply" button
- We show a "Show all statuses" link next to the "Apply" button. Clicking the "Show all statuses" link:
 - brings the filter to state 1 (all options selected)
 - shows all statuses in the series table

Filters

The 'Series status' filter (II)



State 3: no options selected

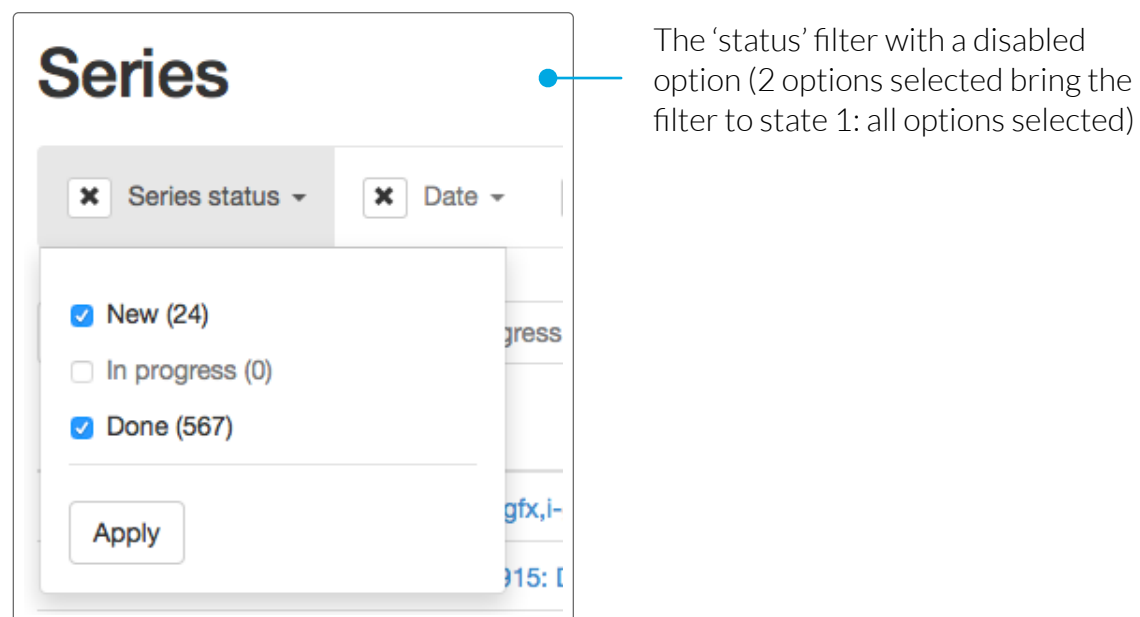
- No checkboxes are checked
- We show a disabled "Apply" button
- We show a "Show all statuses" link next to the "Apply" button
- We show a warning telling you that you must select at least one status

The counters

If we were to implement the counters next to each option, when a counter is 0:

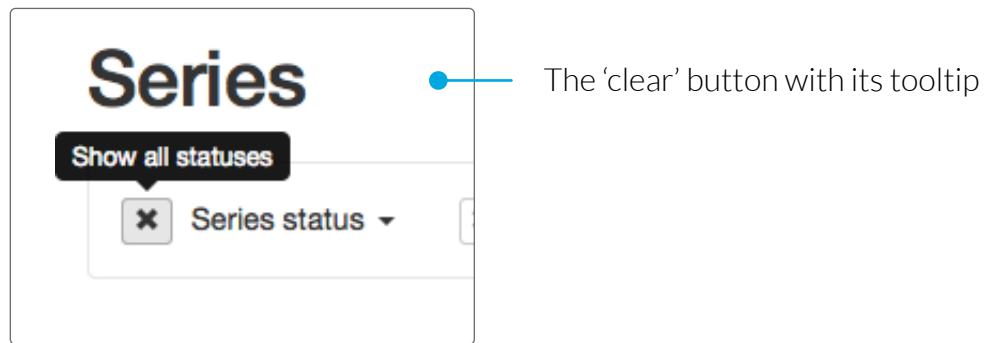
- we disable the checkbox
- we apply the 'text-muted' class to the label and set its cursor to 'not-allowed'

A disabled option does not count towards computing the filter states (i.e. if one option is disabled, having 2 selected brings the filter to state 1: all options selected).



Filters

The 'Series status' filter (III)



The 'clear' button

When the status filter is in state 2 (some options selected, but not all), the filter heading includes a 'clear' button. The button has a tooltip that shows on hover and says:

"Show all statuses"

Clicking this button:

- brings the filter to state 1 (all options selected)
- shows all statuses in the series table

The 'clear' button appears in the filter heading when you click 'Apply' in the filter menu. It disappears from the filter heading when you click the 'clear' button itself.

Selecting / deselecting options in the filter menu does not affect the 'clear' button until you click 'apply'.

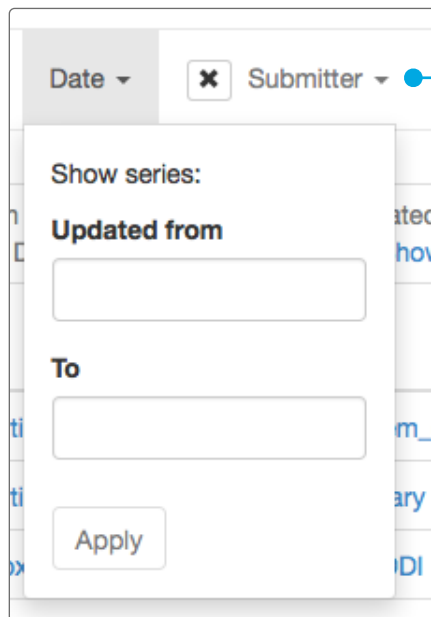
This filter is prototyped

See the interactions described here at:

<http://belenbarrospena.github.io/patchwork-redesign/index.html>

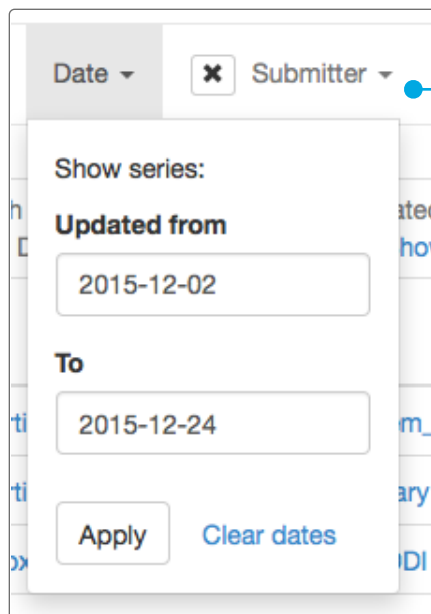
Filters

The 'Date' filter



A screenshot of a web application's filter interface. At the top, there is a 'Date' dropdown menu and a 'Submitter' dropdown menu with an 'x' icon. Below these is a modal dialog titled 'Show series:'. Inside the dialog, there are two input fields: 'Updated from' and 'To'. Both fields are empty. Below the input fields is a disabled 'Apply' button. A blue circle with the number '1' is positioned to the right of the dialog, with a line pointing to the 'Date' dropdown.

1 No dates selected



A screenshot of the same web application's filter interface. The 'Date' dropdown menu is selected. The modal dialog 'Show series:' is open. The 'Updated from' field contains the date '2015-12-02' and the 'To' field contains the date '2015-12-24'. Below the input fields, there is an enabled 'Apply' button and a 'Clear dates' link. A blue circle with the number '2' is positioned to the right of the dialog, with a line pointing to the 'Date' dropdown.

2 Dates selected

The 'Date' filter

Type: date range

States: 2

1. No dates selected
2. Dates selected

Default state: number 1 (no dates selected).

State 1: No dates selected

- The from and to date fields are empty
- We show a disabled "Apply" button

State 2: Dates selected

- A date has been selected in both from and to fields
- We show an enabled "Apply" button
- We show a "Clear dates" link next to the "Apply" button. Clicking the "Clear dates" link:

- brings the filter to state 1 (no dates selected)
- clears the date filter in the series table

Note that we only enter this state when both dates (from and to) have been entered. While one one date has been provided, the 'Apply' button remains disabled, and the 'Clear dates' link does not show.

Earliest and latest dates

To avoid tons of validation, in the 'From' calendar widget:

- The earliest date available for selection should be the earliest date of any series / patches shown by the table
- The latest date available for selection should be the latest of any series / patches shown by the table

In the 'To' calendar widget:

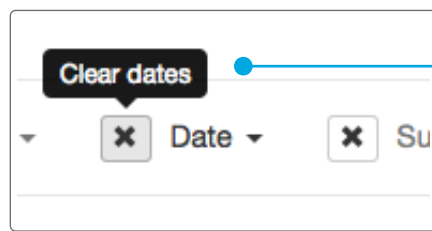
- The earliest date available for selection should be the earliest date selected in the 'From' field.
- The latest date available for selection should be the latest of any series / patches shown by the table

This should stop users from entering 'To' dates prior to the 'From' date using the calendar widget. If users type the dates (and type them wrong), we can simply reverse them so that they become a valid range.

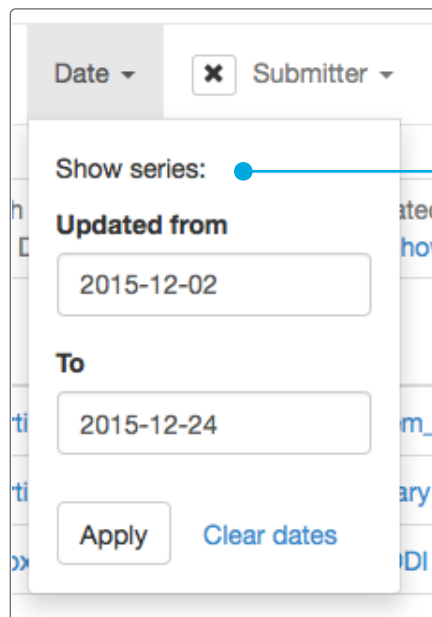
A one-day range (i.e. selecting the same date in both 'From' and 'To' fields) is a valid range.

Filters

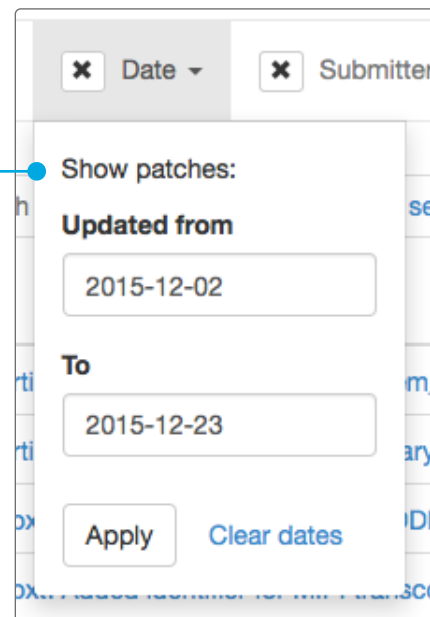
The 'Date' filter (III)



The 'clear' button with its tooltip



The only difference between pages is the string at the top: "Show series" or "Show patches" depending on which page we are.



The 'clear' button

When the status filter is in state 2 (dates selected), the filter heading includes a 'clear' button. The button has a tooltip that shows on hover and says:

"Clear dates"

Clicking this button:

- brings the filter to state 1 (no dates selected)
- clears the date filter in the series table

The 'clear' button appears in the filter heading when you click 'Apply' in the filter menu. It disappears from the filter heading when you click the 'clear' button itself.

Selecting / deselecting options in the filter menu does not affect the 'clear' button until you click 'apply'.

Differences between pages

The 'Date' filter shows in both the 'all series' and 'all patches' pages. They behave exactly in the same way in both. The only difference is the string at the top of the filter menu ("Show series" or "Show patches").

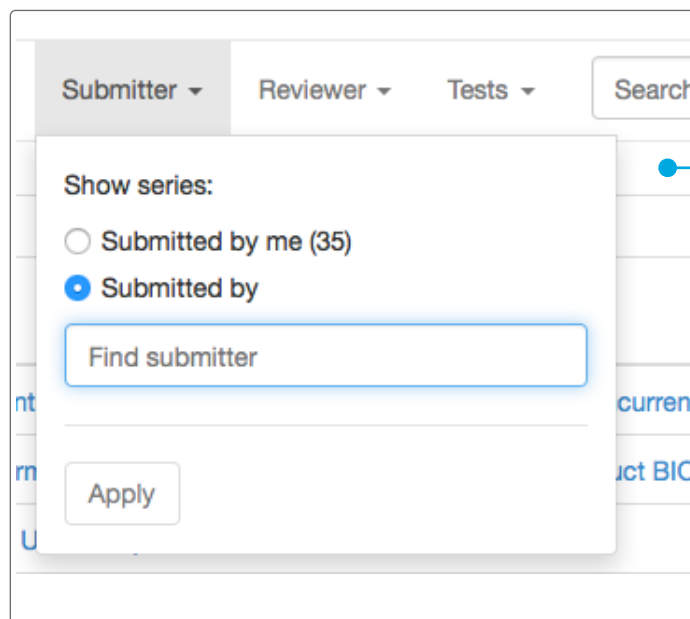
This filter is prototyped

See the interactions described here at:

<http://belenbarrospena.github.io/patchwork-redesign/index.html>

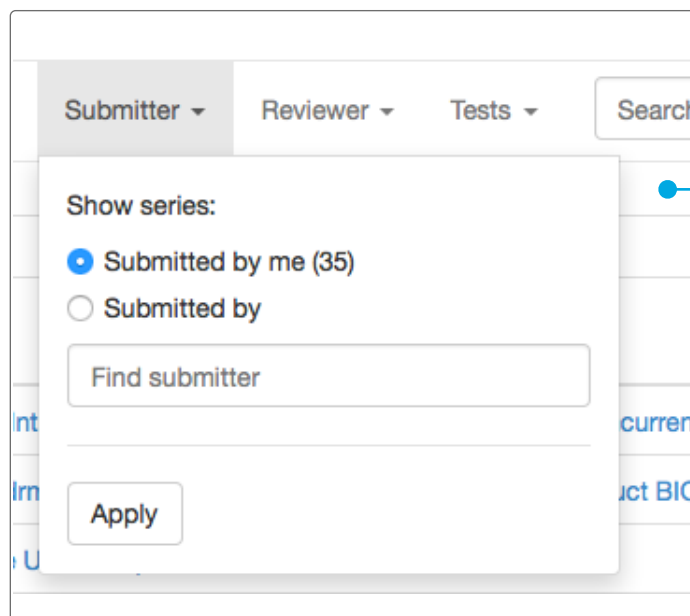
Filters

The 'Submitter' filter



1

Filter not applied and 'submitted by' option selected



2

Filter not applied and 'submitted by me' option selected

The 'Submitter' filter

Type: single selection (the options in this filter are mutually exclusive).

States: 3

1. Filter not applied and 'submitted by' option selected
2. Filter not applied and 'submitted by me' option selected
3. Filter applied

Default state: number 1 (filter not applied and 'submitted by' option selected).

State 1: Filter not applied and 'submitted by' option selected

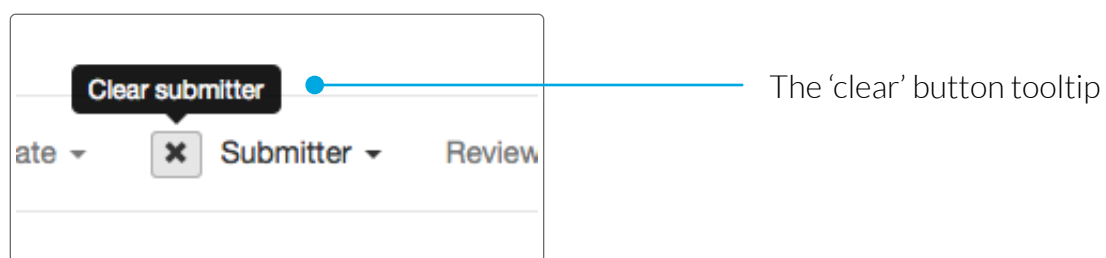
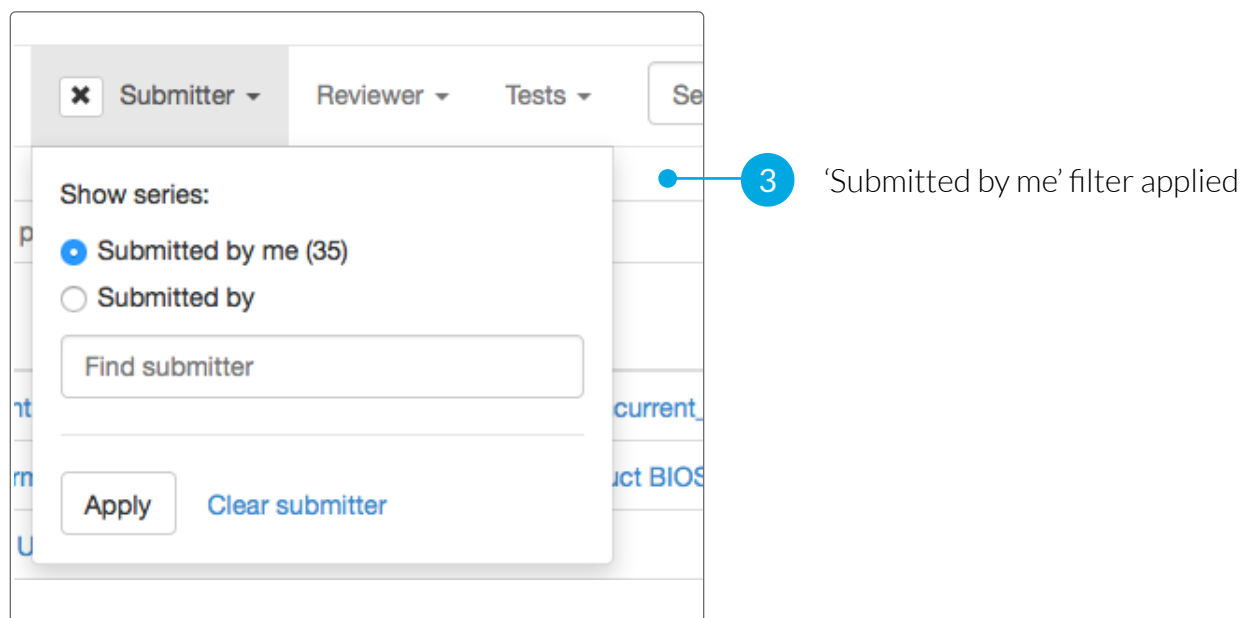
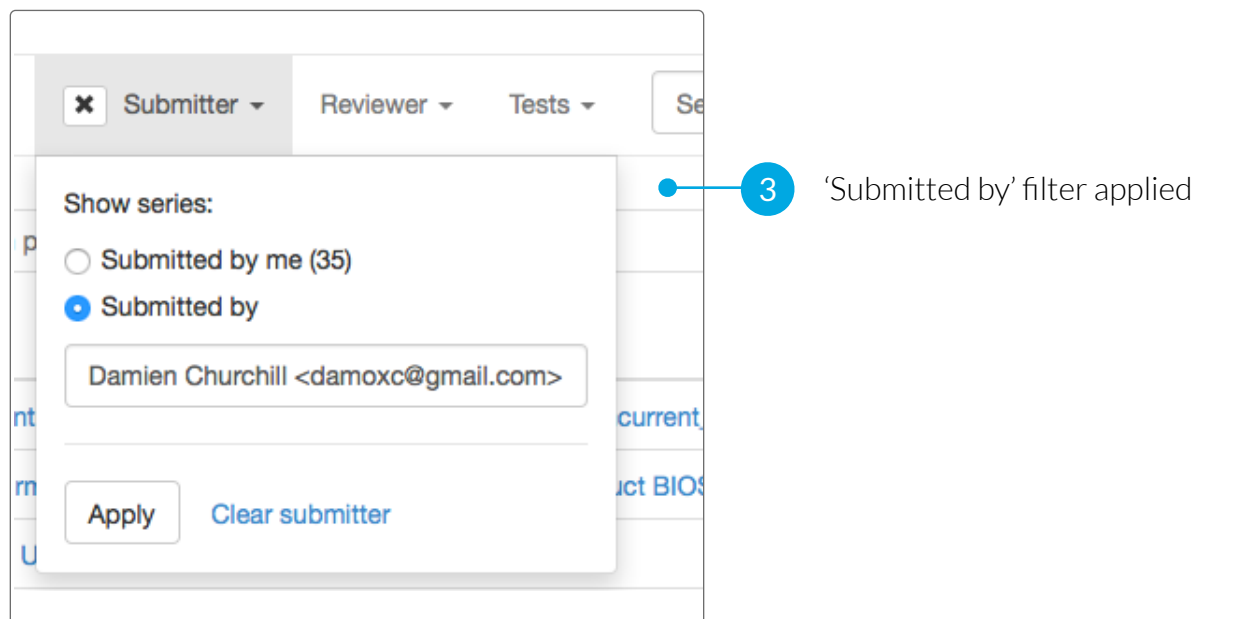
- The 'Submitted by' radio button is selected
- The search submitter text field is empty, enabled and on focus
- The 'Apply' button is disabled. We enable it when you select a submitter.

State 2: Filter not applied and 'submitted by me' option selected

- The 'Submitted by me' radio button is selected
- The search submitter text field is empty and disabled
- The 'Apply' button is enabled.

Filters

The 'Submitter' filter (II)



State 3: Filter applied

When you open the 'Submitter' filter while a filter is applied, you will find the controls in state 1 or 2 depending on the selected option, plus:

- There will be a 'Clear submitter' link next to the 'Apply' button. Clicking this link:

- brings the filter to state 1 (filter not applied and 'submitted by' option selected) and empties the search submitter text field
- clears the submitter filter in the table

- There will be a 'clear' button in the filter heading. The button has a tooltip that shows on hover and says:

"Clear submitter"

Clicking this button:

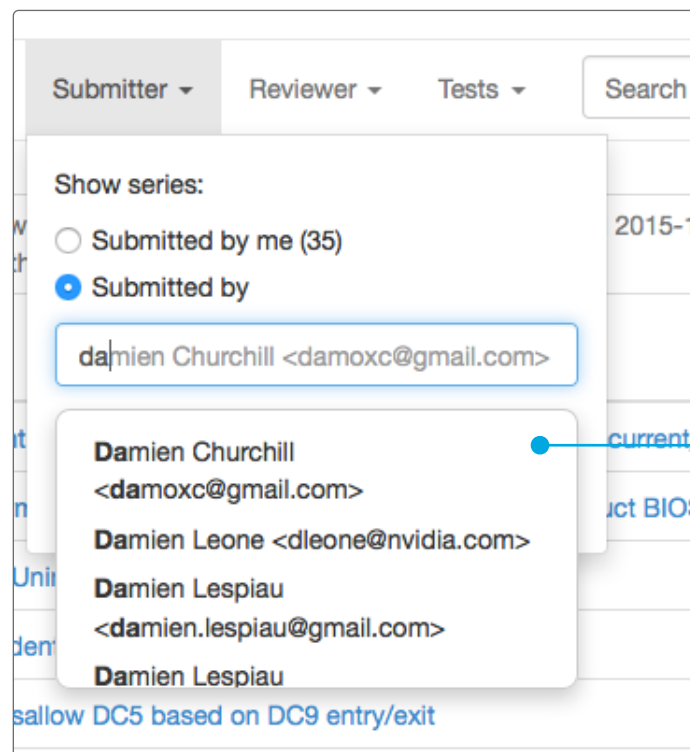
- brings the filter to state 1 (filter not applied and 'submitted by' option selected) and empties the search submitted text field
- clears the submitter filter in the table

The 'clear submitter' link and the clear' button appear in the filter when you click 'Apply' in the filter menu. They disappear from the filter when you click them.

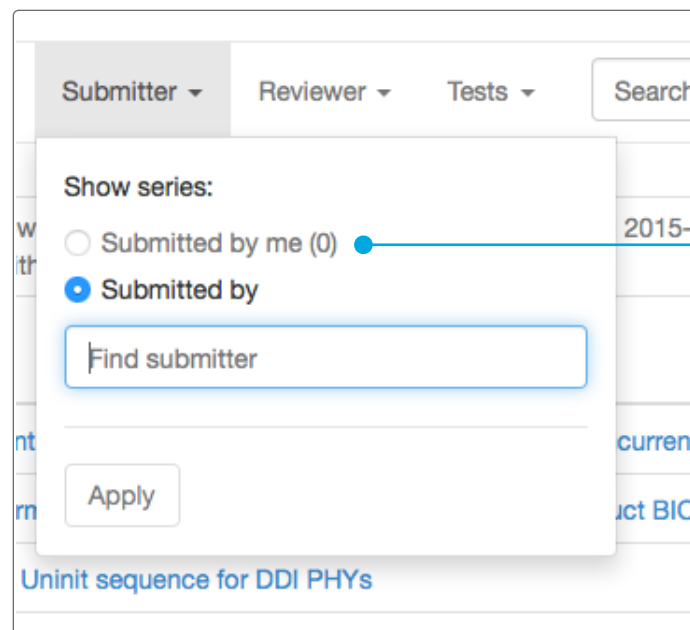
Selecting / deselecting options in the filter menu does not affect the 'clear submitter' link or the 'clear' button until you click 'apply'.

Filters

The 'Submitter' filter (III)



The search submitter field provides autocomplete functionality



The 'Submitted by me' option when the counter is 0

Submitter autocomplete

Like in the current version of Patchwork, we will use autocomplete functionality to provide a list of valid submitters starting with or containing the string typed in the submitter search field. A valid submitter is one that has submitted one or more of the series / patches being shown in the table (i.e. submitters with 0 series / patches submitted should not display).

Ideally, the suggestions container should scroll so that users can access all the suggestions provided.

Like in the current version of Patchwork, users must select one of the suggestions: they cannot type free text in the search submitter field and apply the filter.

To enforce that, the 'Apply' button should remain disabled until you select one the presented suggestions. The 'Apply' button should also be disabled whenever the search submitter field is empty.

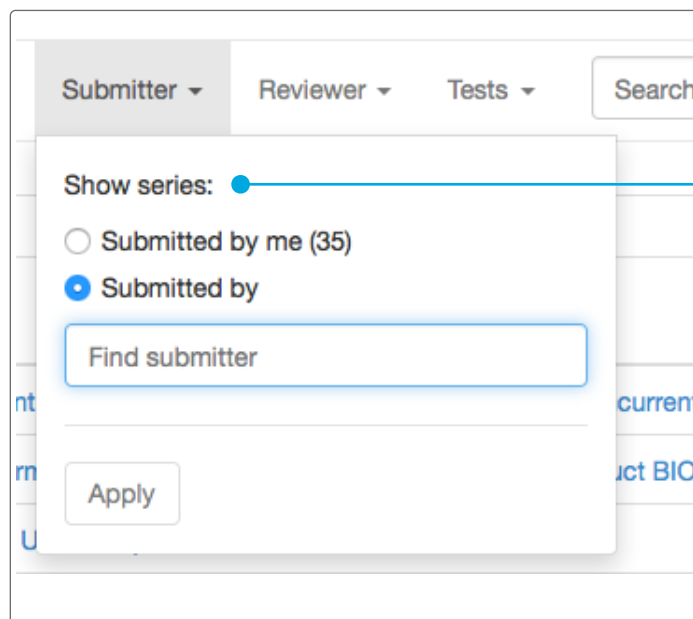
The counters

If we were to implement the counter next to the 'Submitted by me' option, when the counter is 0:

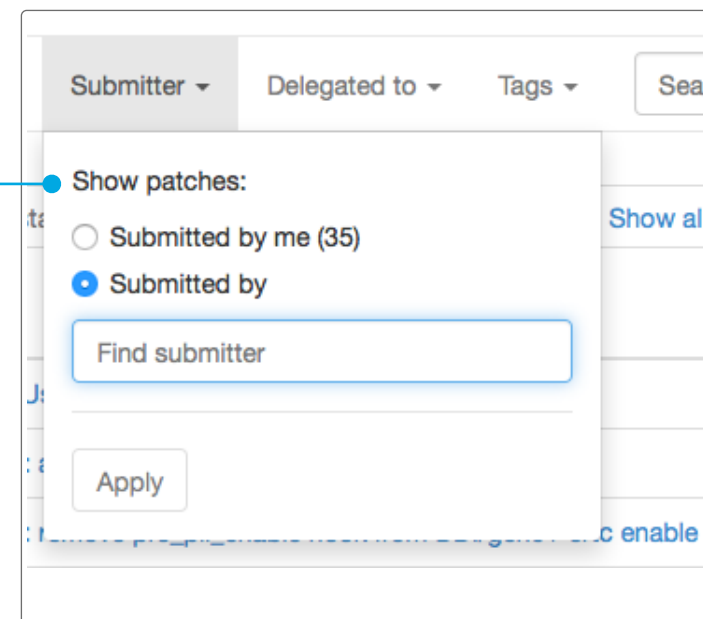
- we disable the radio button
- we apply the 'text-muted' class to the label and set its cursor to 'not-allowed'

Filters

The 'Submitter' filter (IV)



The only difference between pages is the string at the top: “Show series” or “Show patches” depending on which page we are.



Differences between pages

The ‘Submitter’ filter shows in both the ‘all series’ and ‘all patches’ pages. They behave exactly in the same way in both. The only difference is the string at the top of the filter menu (“Show series” or “Show patches”).

This filter is prototyped

See the interactions described here at:

<http://belenbarrospena.github.io/patchwork-redesign/index.html>