

# Patchwork Filters

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

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

Filters

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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

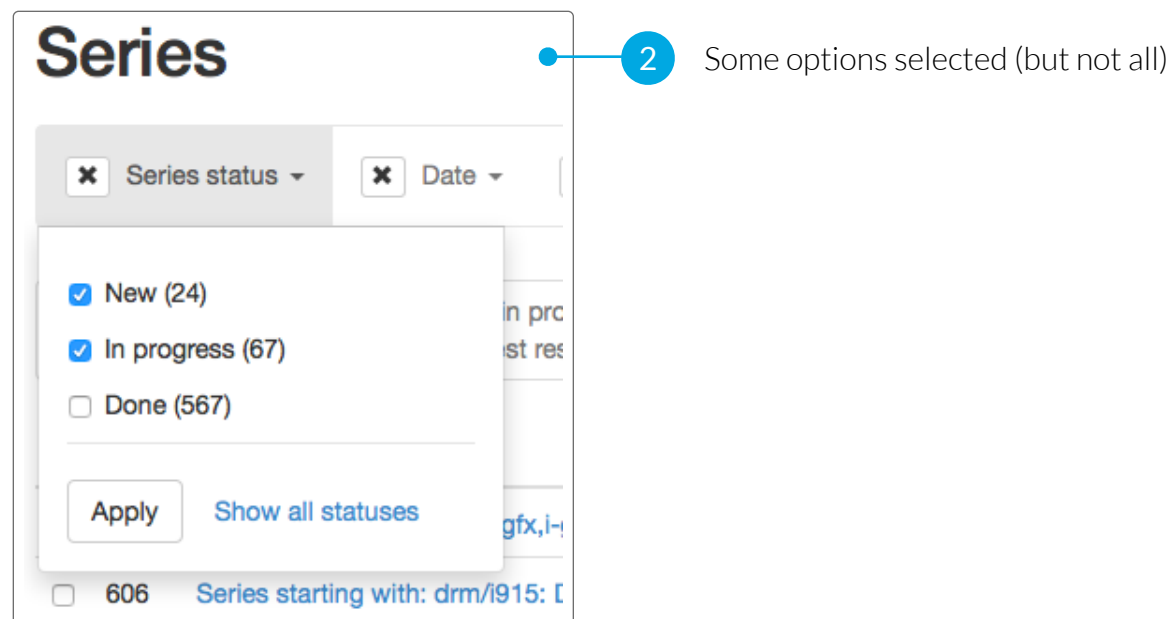
An inventory of the Patchwork filters

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

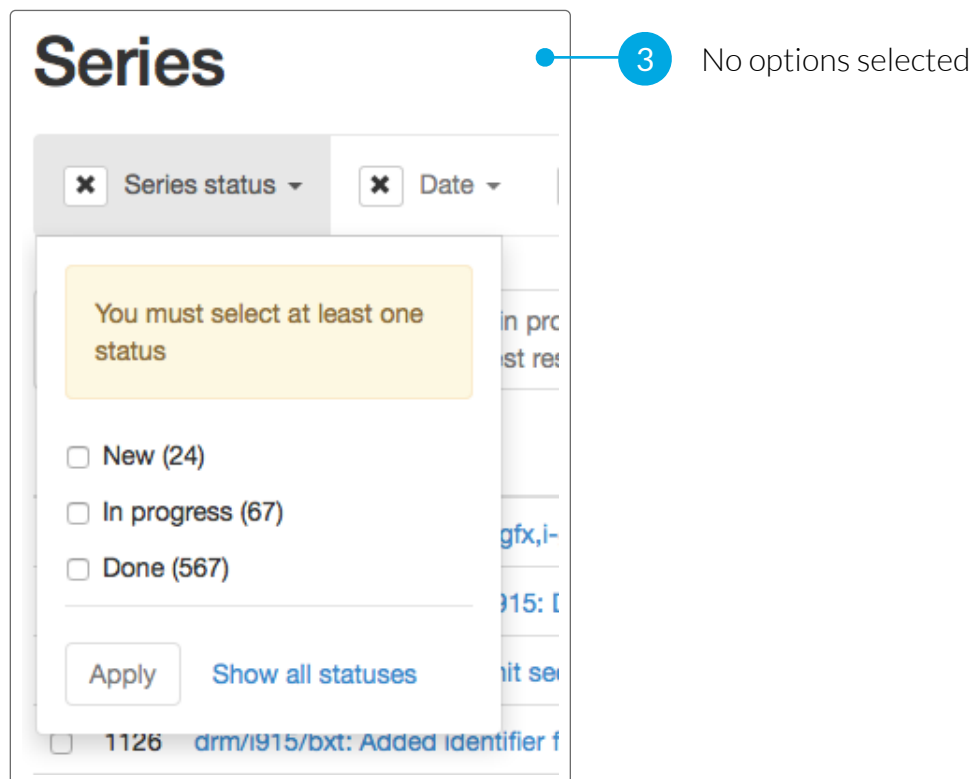
- All checkboxes are checked
- We show an enabled "Apply" button

### 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

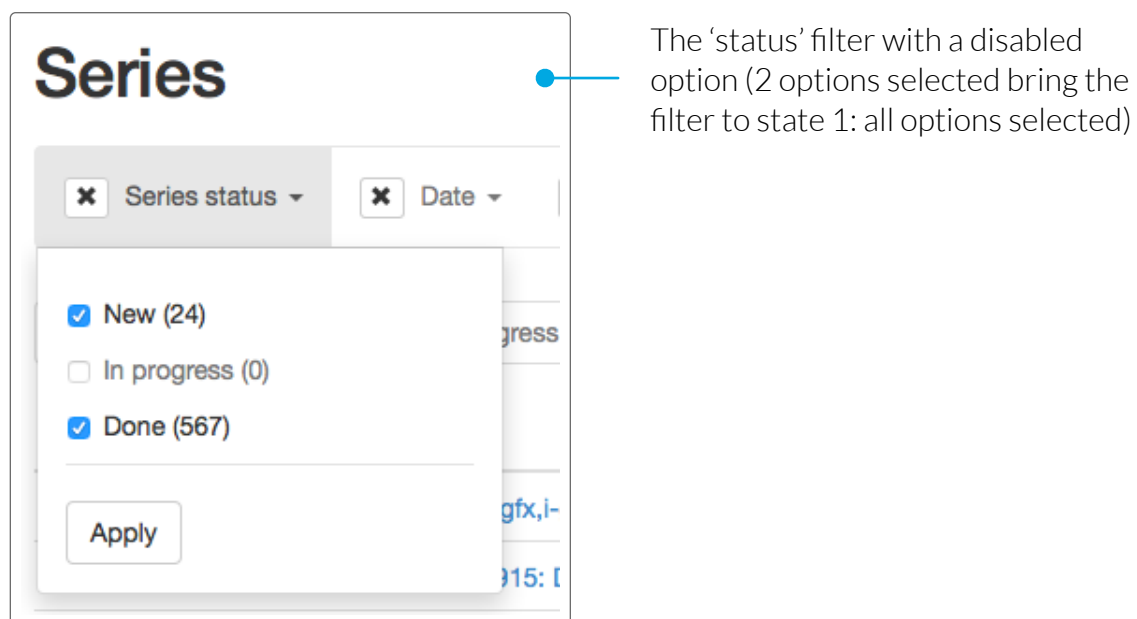
- No checkboxes are checked
- We show a disabled "Apply" button
- We show a "Show all statuses" link next to the "Apply" button
- We show a warning telling you that you must select at least one status

### 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 with its tooltip

### 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'.

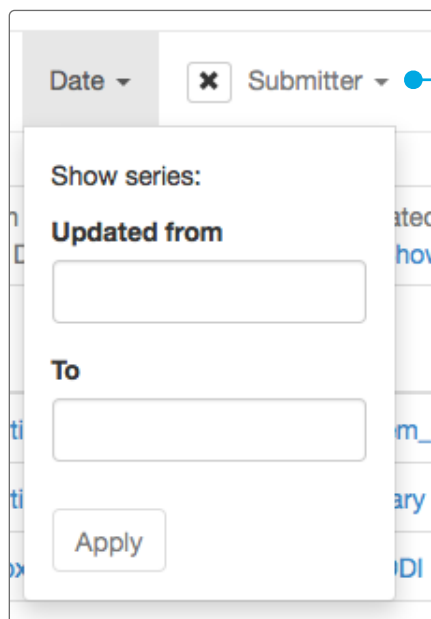
### This filter is prototyped

See the interactions described here at:

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

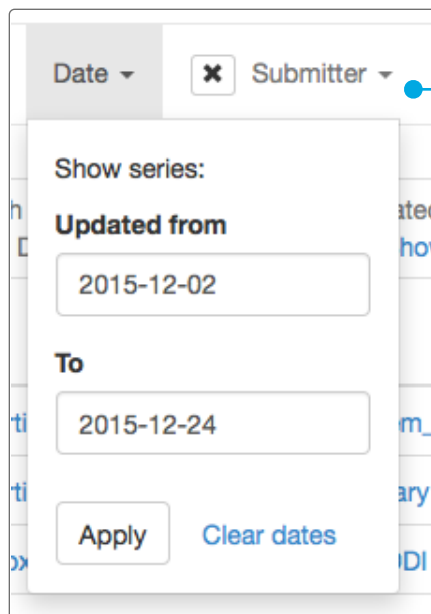
## Filters

### 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

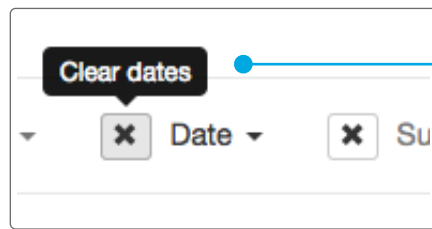
This should stop users from entering 'To' dates prior to the 'From' date using the calendar widget. If users type the dates (and type them wrong), we can simply reverse them so that they become a valid range.

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

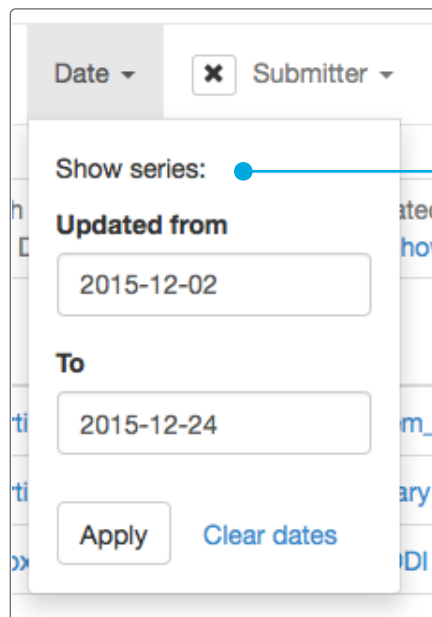


## Filters

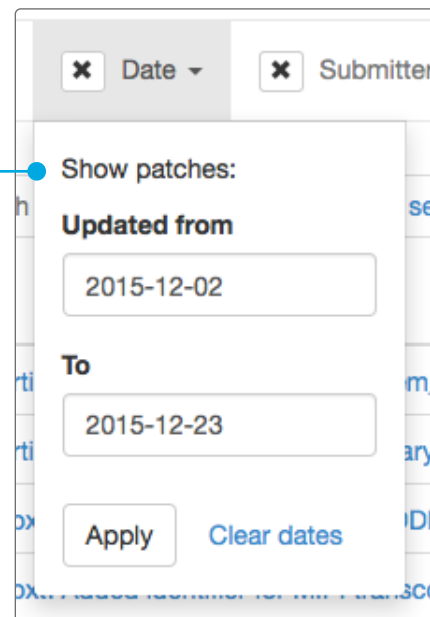
### The 'Date' filter (III)



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").

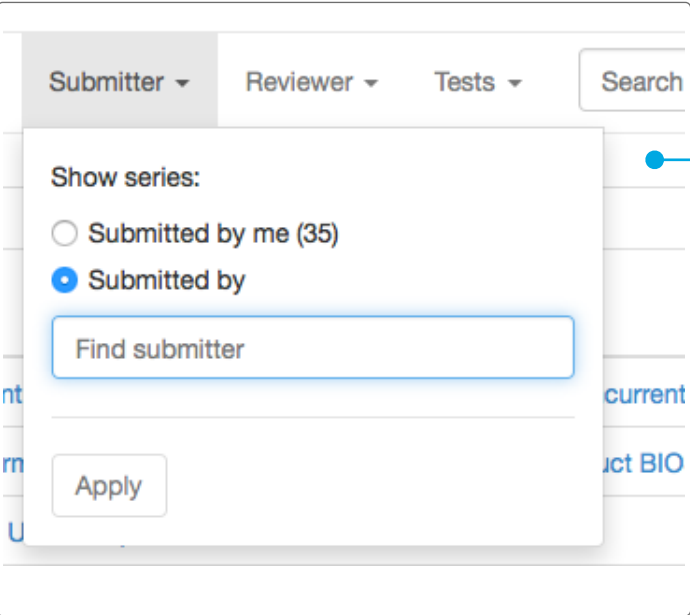
### This filter is prototyped

See the interactions described here at:

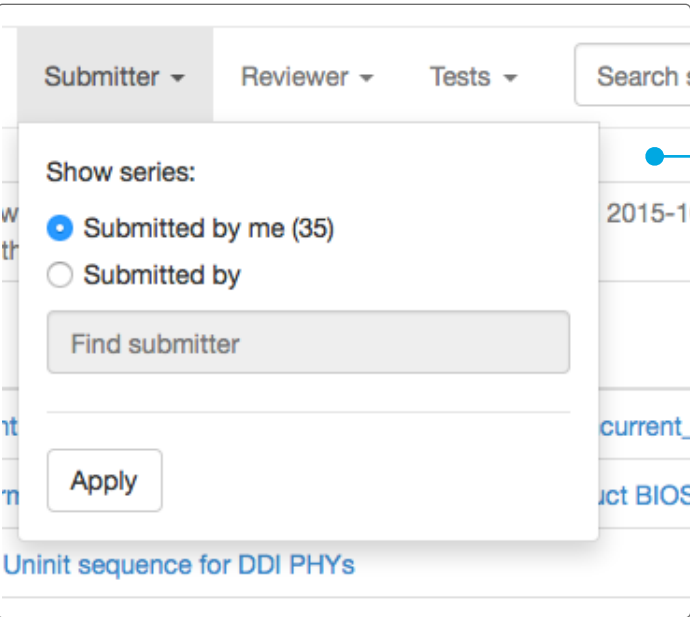
<http://belenbarrospena.github.io/patchwork-redesign/index.html>

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

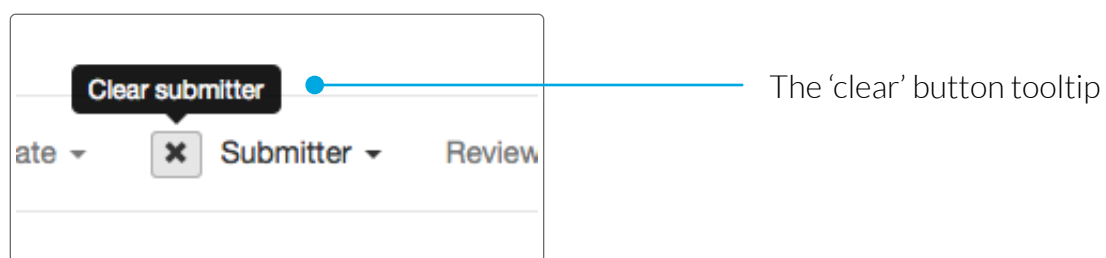
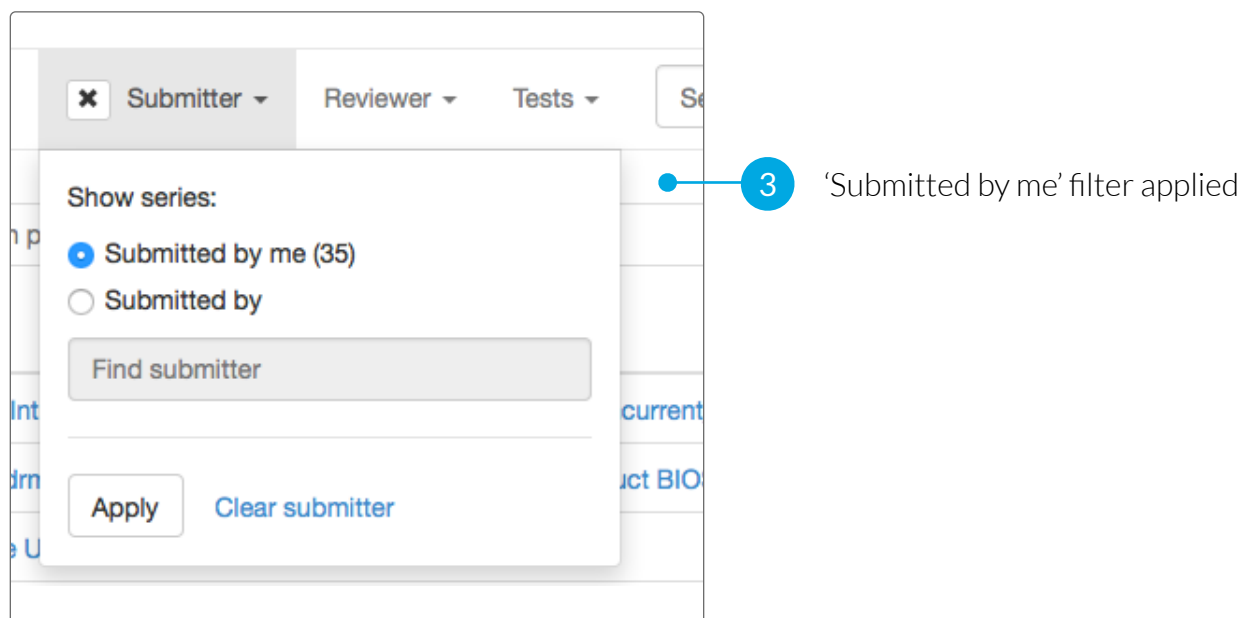
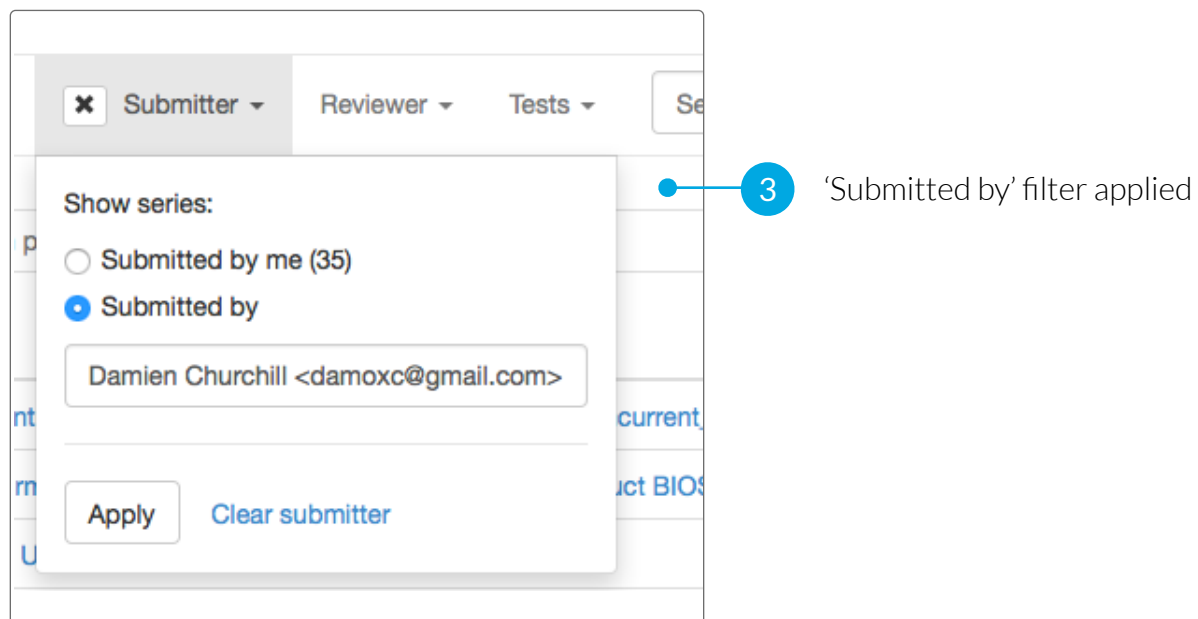
- The 'Submitted by' radio button is selected
- The find submitter text field is empty, enabled and on focus
- The 'Apply' button is disabled. We enable it when you select a submitter.

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

- The 'Submitted by me' radio button is selected
- The find 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 find 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:

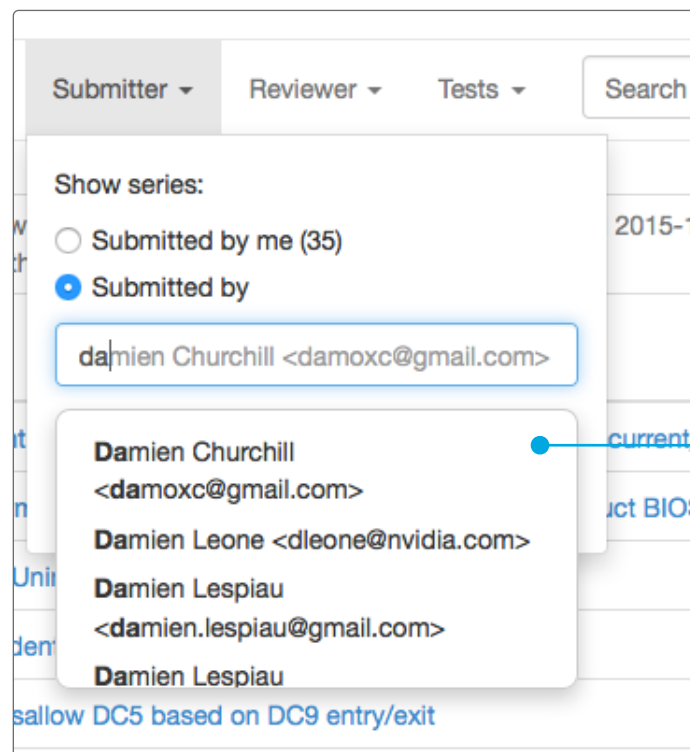
- brings the filter to state 1 (filter not applied and 'submitted by' option selected) and empties the find submitted text field
- clears the submitter filter in the table

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'.

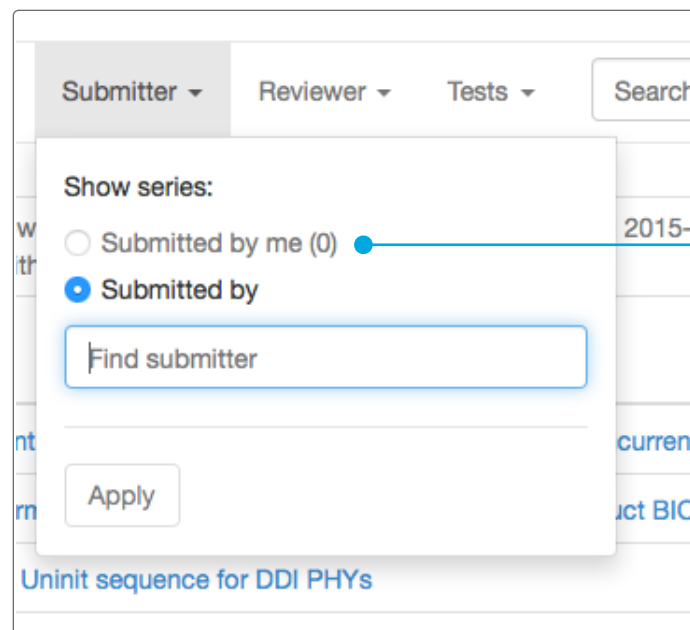
## Filters

### The 'Submitter' filter (III)



The screenshot shows a web interface with a 'Submitter' dropdown menu. The menu is open, displaying 'Show series:' with two options: 'Submitted by me (35)' and 'Submitted by' (selected). Below these is a search input field containing 'damien Churchill <damoxc@gmail.com>'. A list of suggestions is shown below the input field, including 'Damien Churchill <damoxc@gmail.com>', 'Damien Leone <dleone@nvidia.com>', 'Damien Lespiau <damien.lespiau@gmail.com>', and 'Damien Lespiau'.

The find submitter field provides autocomplete functionality



The screenshot shows the same web interface, but the 'Submitted by me' option is now selected and has a counter of 0. The search input field is empty and labeled 'Find submitter'. An 'Apply' button is visible at the bottom of the dropdown menu.

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 find submitter 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 find submitter field and apply the filter.

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

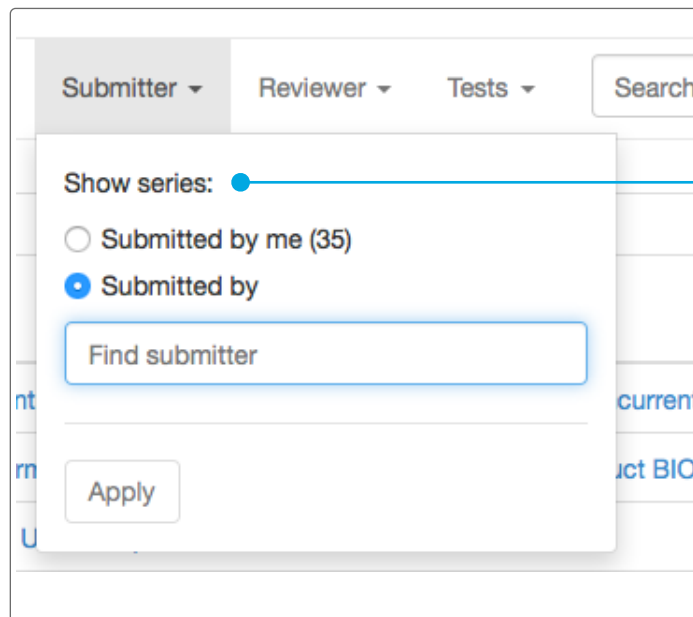
### The counters

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

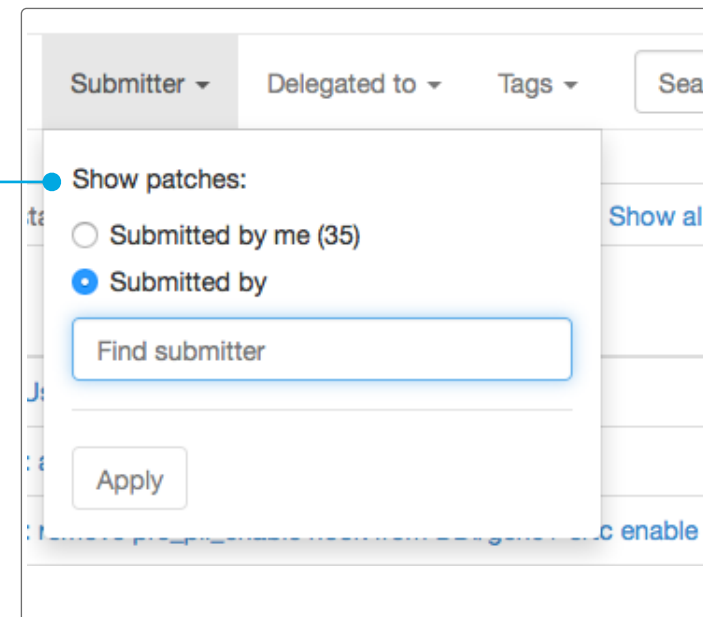
- we disable the radio button
- we apply the 'text-muted' class to the label and set its cursor to 'not-allowed'

## 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”).

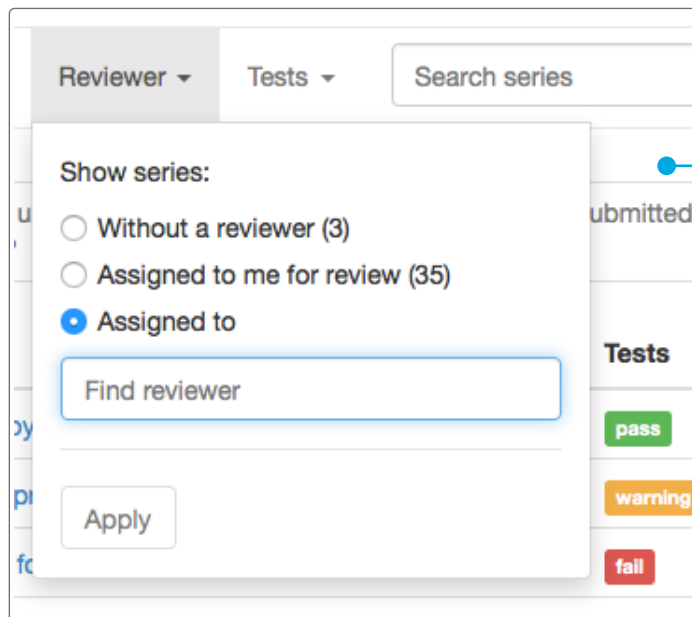
### This filter is prototyped

See the interactions described here at:

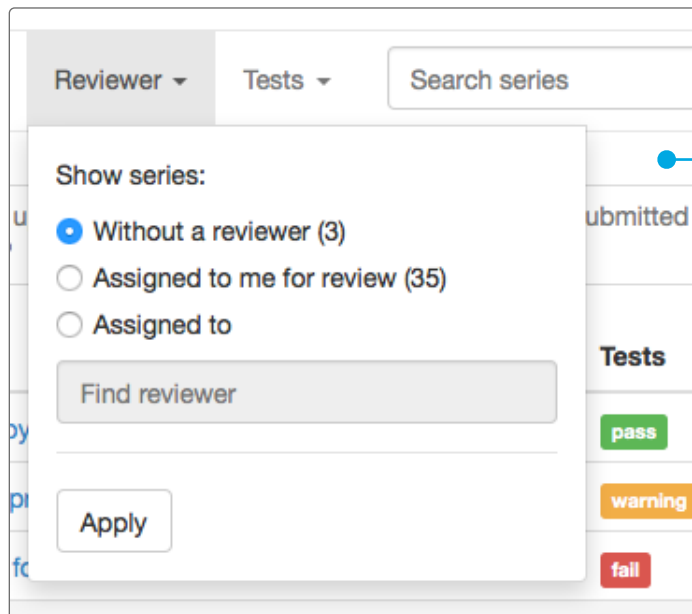
<http://belenbarrospena.github.io/patchwork-redesign/index.html>

## Filters

### The 'Reviewer' filter



1 Filter not applied and 'assigned to' option selected



2 Filter not applied and a different option selected

### The 'Reviewer' filter

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

This filter behaves in exactly the same way as the 'Submitter' filter. See pages 10 to 14 of this document and

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

States: 3

1. Filter not applied and 'assigned to' option selected
2. Filter not applied and a different option selected
3. Filter applied

Default state: number 1 (filter not applied and 'assigned to' option selected).

### State 1: Filter not applied and 'assigned to' option selected

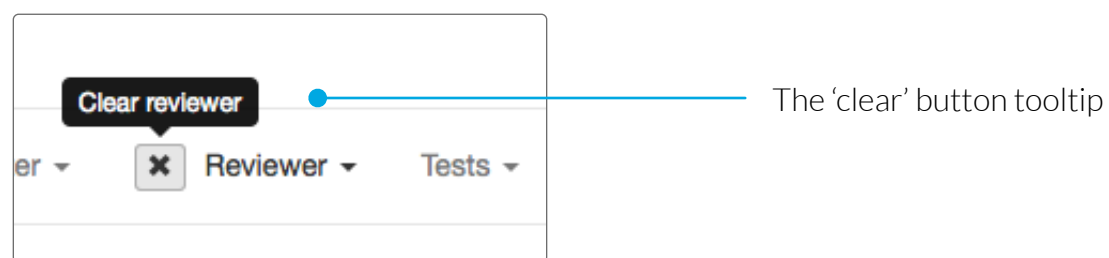
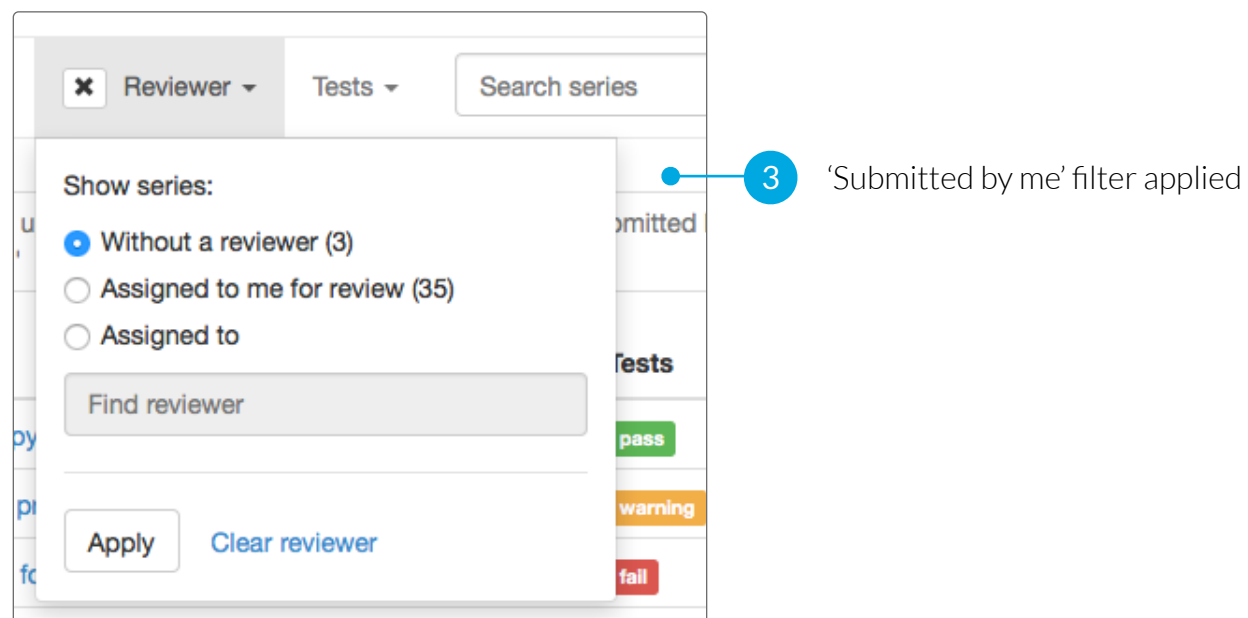
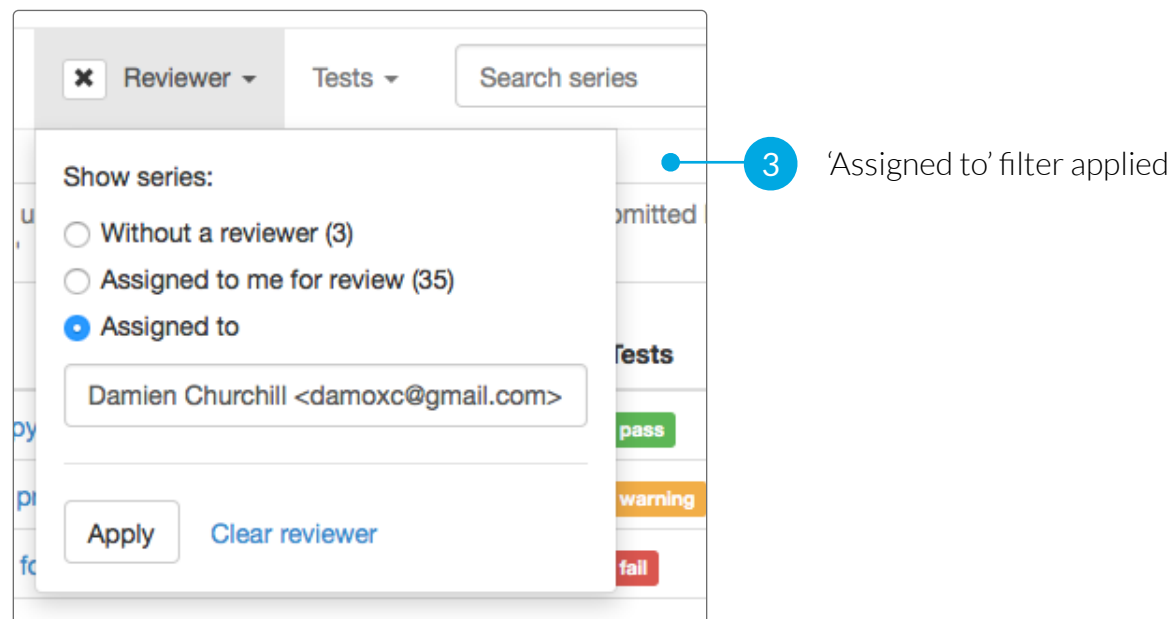
- The 'Assigned to' radio button is selected
- The find reviewer text field is empty, enabled and on focus
- The 'Apply' button is disabled. We enable it when you select a reviewer.

### State 2: Filter not applied and a different option selected

- One of the other available options is selected
- The find submitter text field is empty and disabled
- The 'Apply' button is enabled.

## Filters

### The 'Reviewer' filter (II)



### State 3: Filter applied

When you open the 'Reviewer' 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 reviewer' link next to the 'Apply' button. Clicking this link:

- brings the filter to state 1 (filter not applied and 'assigned to' option selected) and empties the find reviewer text field
- clears the reviewer 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 reviewer"

Clicking this button:

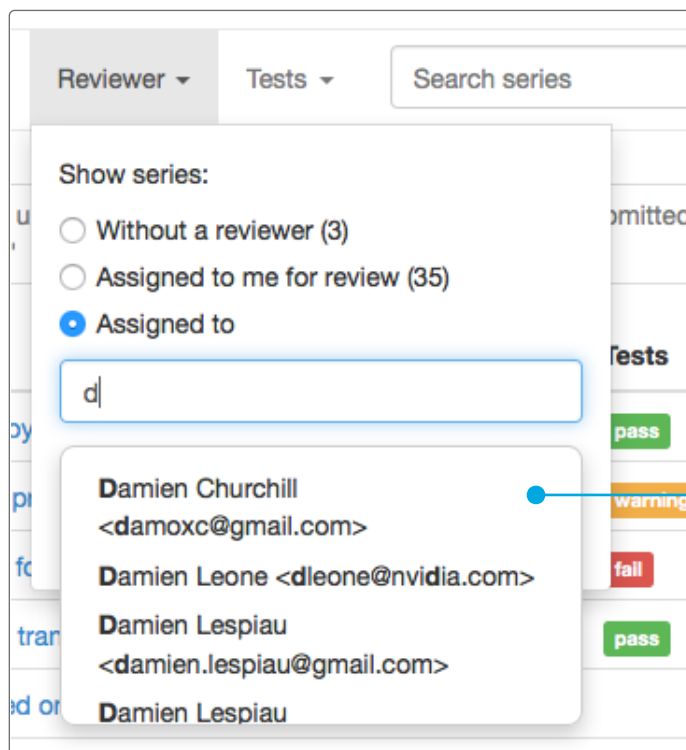
- brings the filter to state 1 (filter not applied and 'assigned to' option selected) and empties the find reviewer text field
- clears the reviewer filter in the table

The 'clear reviewer' 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.

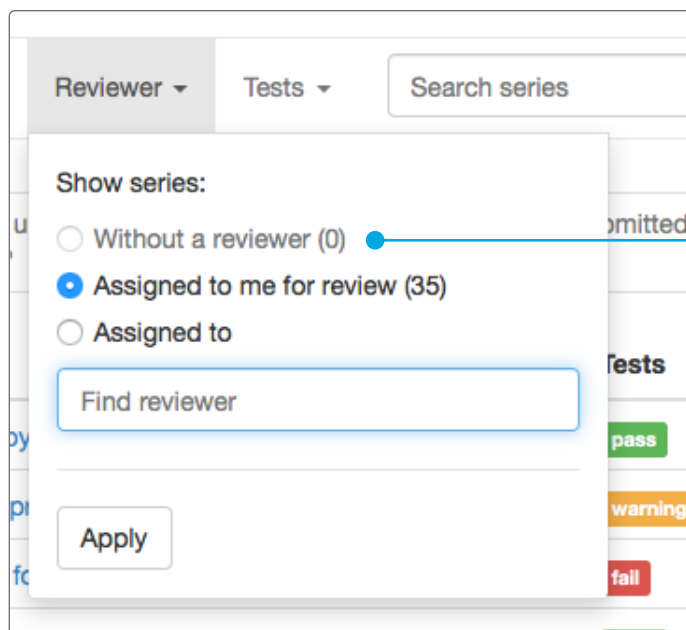
Selecting / deselecting options in the filter menu does not affect the 'clear reviewer' link or the 'clear' button until you click 'apply'.

## Filters

### The 'Reviewer' filter (III)



The find submitter field provides autocomplete functionality



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

## Reviewer autocomplete

Like in the 'Submitter' filter, we will use autocomplete functionality to provide a list of valid reviewers starting with or containing the string typed in the find reviewer field. A valid reviewer is one that has one or more of the series / patches being shown in the table assigned for review (i.e. reviewer with 0 series / patches assigned should not display).

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

Users must select one of the suggestions: they cannot type free text in the find reviewer field and apply the filter.

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

## The counters

If we were to implement the counter next to the 'Without a reviewer' and 'Assigned to me for review' options, 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'