QGIS Application - Feature request #16040
Filter relation reference widget by expressions

2017-01-05 06:07 AM - Regis Haubourg

Status:	Open		
Priority:	Normal		
Assignee:			
Category:	Forms		
Pull Request or Patch supplied:	No	**Resolution:**	
Easy fix?:	No	**Copied to github as #:**	23955

Description

Relation reference widget does not allow to spatially filter potential related features. (that widget [[
https://issues.qgis.org/attachments/9427/emeded_form_relationreferenz.jpg]])

Filtering by expression instead of simple fields would allow to call functions such as

    intersects($geometry , geomFromWKT($current_canvas_extent))

That would allow a dropdown list reduced to a few neighbouring features. Currently it loads the whole layer, and can kill QGIS.

a native checkbox to filter by canvas would be also good for average users

Related issues:

Related to QGIS Application - Bug report # 10900: python filter expression do...	**Closed**	**2014-07-16**

History

#1 - 2017-01-05 06:26 AM - Regis Haubourg

For the record, it is possible in value relation widget . See #10900
but that one can not allow user to click on a map object.

#2 - 2017-01-10 01:38 AM - Matthias Kuhn

I would propose to solve this on a broader perspective (i.e. not only for the relation reference widget) and introduce a new "search feature(s)" widget that allows for searching features based on attributes or location. This widget would be opened with a separate button (like the select from canvas button now).

The combobox on the other hand shouldn't load all the options (if there are more than ~100 there is no longer any point in doing so) but have an autocompleter that works with requests on the data source and proposes matches based on this.

#3 - 2017-01-13 08:50 AM - Regis Haubourg

- Status changed from Open to Closed

Good idea Matthias, this is much more elegant.
I open a dedicated feature request.

#4 - 2017-06-19 10:51 AM - Regis Haubourg

I reopen that feature request, because the alternate proposal - adding another button - does not seem so nice to me, it's a lot of new clicks. A dedicated search dialog could be interesting too by adding richer search possibilities (like the select by Value dialog for instance), but I would say it's the advanced use case.

My need for classical apps would only be to filter the dropdown list using expressions, and nearest neighbor / distance computation + a rubberband on hover synced between the combobox and the map canvas.