Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B

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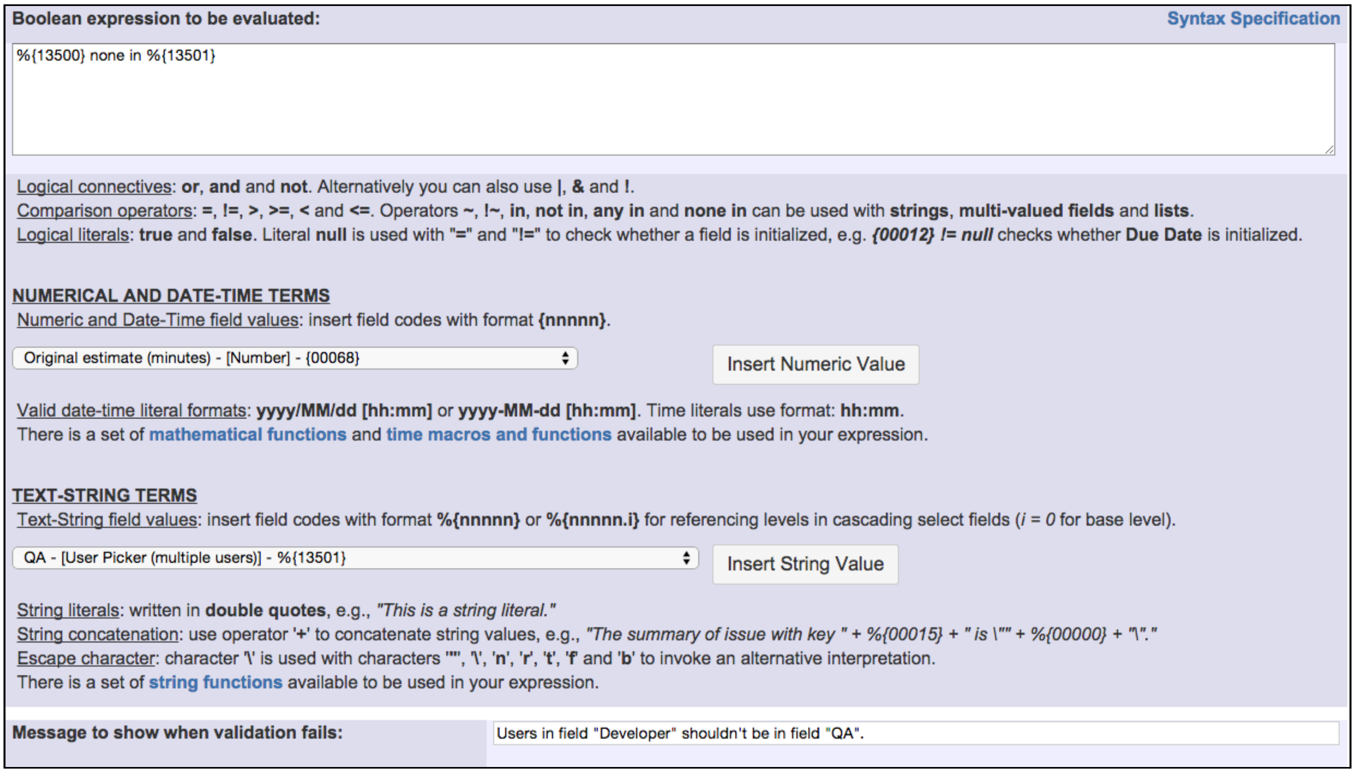
Features used to implement the example

- **Boolean validator with math, date-time or text-string terms**

Example: Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B

We have **Developer** and **QA** fields. Both are Multiple User Custom Fields. Is there any way to create a Validator that checks that none of the members Developer users are in QA?

You can do it using **Boolean validator with math, date-time or text-string terms** with the following configuration:



Boolean expression to be evaluated:

```
%{13500} none in %{13501}
```

Logical connectives: **or**, **and** and **not**. Alternatively you can also use **|**, **&** and **!**.
Comparison operators: **=**, **!=**, **>**, **>=**, **<** and **<=**. Operators **~**, **!~**, **in**, **not in**, **any in** and **none in** can be used with **strings**, **multi-valued fields** and **lists**.
Logical literals: **true** and **false**. Literal **null** is used with "=" and "!=" to check whether a field is initialized, e.g. ***{00012} != null*** checks whether **Due Date** is initialized.

NUMERICAL AND DATE-TIME TERMS
Numeric and Date-Time field values: insert field codes with format **{nnnnn}**.

Original estimate (minutes) - [Number] - {00068}

Valid date-time literal formats: **yyyy/MM/dd [hh:mm]** or **yyyy-MM-dd [hh:mm]**. Time literals use format: **hh:mm**.
There is a set of **mathematical functions** and **time macros and functions** available to be used in your expression.

TEXT-STRING TERMS
Text-String field values: insert field codes with format **%{nnnnn}** or **%{nnnnn.i}** for referencing levels in cascading select fields (*i = 0* for base level).

QA - [User Picker (multiple users)] - %{13501}

String literals: written in **double quotes**, e.g., *"This is a string literal."*
String concatenation: use operator '**+**' to concatenate string values, e.g., *"The summary of issue with key " + %{00015} + " is \"" + %{00000} + "\"."*
Escape character: character '\' is used with characters '"', '\', '**n**', '**r**', '**t**', '**f**' and '**b**' to invoke an alternative interpretation.
There is a set of **string functions** available to be used in your expression.

Message to show when validation fails: Users in field "Developer" shouldn't be in field "QA".

Text to be parsed is: **`%{13500} none in %{13501}`**

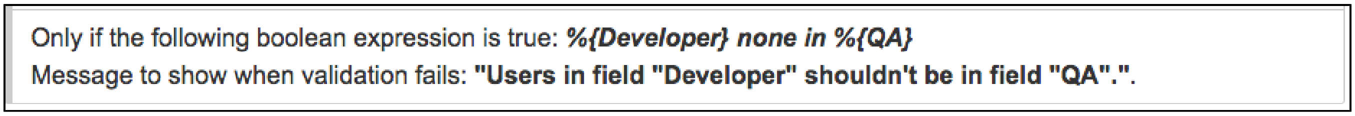
Note that:

- **%{13500}** is field code for "**Developer**"

- **%{13501}** is field code for "**QA**"

Both field codes depend on each particular Jira instance, since they are custom fields.

Once configured, validator will look like this:



Only if the following boolean expression is true: ***%{Developer} none in %{QA}***
Message to show when validation fails: **"Users in field "Developer" shouldn't be in field "QA"."**.

Other examples of that function

Page: Block a transition until all sub-tasks have certains fields populated
Page: Block an epic's transition depending on linked issues status and due date
Page: Block or hide a transition for an issue depending on its issue links
Page: Block or unblock a transition after an issue rested a specific time in a status
Page: Block transition until all sub-tasks are in a specific status category
Page: Close parent issue when all sub-tasks are closed
Page: Enforce a field (Select List) to be set when another field (Radio Button) has a certain value (works with any kind of field type)
Page: Ensure that all issues linked with a certain issue link type have "Due Date" field set
Page: If field A is populated then, field B must also be populated
Page: Limit issue creation per role and issue type
Page: Limit the number of hours a user can log per day
Page: Limit valid dates for work logs
Page: Make "Time Spent" field required when there is no time logged in the issue
Page: Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"
Page: Make attachment mandatory depending on the value of certain custom field
Page: Make different fields mandatory depending on the value of a Select List custom field
Page: Make linked issues, sub-tasks and JQL selected issues progress through its workflows
Page: Make parent issue progress through its workflow
Page: Prevent issue creation if another issue with same field value already exists
Page: Reject duplicated file names in attachments
Page: Require at least one sub-task in status "Resolved" or "Closed" when "Testing required" is selected in Check-Box custom field
Page: Require issue link when resolving as duplicate
Page: Restrict parent issue from closing if it has sub-tasks that were created during a given parent issue status
Page: Restrict sub-task type creation depending on parent issue status
Page: Restrict sub-task type creation depending on parent issue type
Page: Set a condition in a global transition which only applies in a certain status
Page: Validate a custom field "Story Points" has been given a value in Fibonacci sequence
Page: Validate compatible values selection among dependent custom fields
Page: Validate only issue links created in transition screen
Page: Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B
Page: Validation and condition based on time expressions
Page: Validation based on the value of a date type project property
Page: Validation on issue attachments
Page: Validation on MIME types of issue attachments
Page: Validation on sibling sub-tasks depending on issue type and status
Page: Validation on the value of a Cascading Select field

Related Usage Examples

- Validation on the value of a Cascading Select field
    - example
    - validator
    - custom-field
- Make different fields mandatory depending on the value of a Select List custom field
    - example
    - validator
    - custom-field
- Validate compatible values selection among dependent custom fields
    - example
    - validator
    - custom-field
- Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"
    - example
    - validator
    - custom-field
- Validate a custom field "Story Points" has been given a value in Fibonacci sequence
    - example
    - validator
    - custom-field
- Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B
    - example
    - validator
    - custom-field
- Make attachment mandatory depending on the value of certain custom field
    - example
    - validator
    - custom-field
- Enforce a field (Select List) to be set when another field (Radio Button) has a certain value (works with any kind of field type)
    - example
    - validator
    - custom-field
- Create a dynamic set of sub-tasks based on checkbox selection with unique summaries
    - example
    - post-function
    - custom-field
    - sub-task
- Total of all story points in an epic
    - example
    - custom-field
    - calculated-field
- Show timeliness of an issue based on two date pickers
    - example
    - custom-field
    - calculated-field
- Add and remove a single or a set of items from multi valued fields
    - example
    - post-function
    - custom-field
    - issue-links
    - sub-task

- Highest value of a custom field among linked issues
    - example
    - custom-field
    - calculated-field
- Google Maps location from address
    - example
    - calculated-field
    - custom-field
- Make certain custom field required in resolve screen only if the resolution was set to "Fixed"
    - example
    - validator
    - custom-field