

# Tracker Field Rules

New in Tiki 21.0 - this provides an easy way to make fields in a tracker form show or hide (or be required or not) depending on the settings of other fields in the form.

## Some brief instructions:

- Go to the Features Control Panel and enable "Enable Vue.js" and "Tracker Field Rules" in the Interface tab
- Go to the field admin page for a tracker

The screenshot shows a web browser window for the Tiki Project Site. The title bar says "Documentation - Tiki Wiki CMS Groupware". The main content area is titled "Tracker Fields: Tracker Field Rules ?". Below the title is a navigation bar with buttons for "+ Add Field", "Import Fields", "Properties", "Fields", "Trackers", and "Items". The main area is a table listing seven tracker fields. The columns are: ID, Name, Type, List, Title, Search, Public, Mandatory, and Actions. The rows are:

ID	Name	Type	List	Title	Search	Public	Mandatory	Actions
278	Arbitrary Title rulesArbitraryTitle	Text Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X
279	Checked or not? rulesCheckedOrNot	Checkbox	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X
280	Ok, it's checked rulesIfChecked	Numeric Field	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X
281	Nope, not checked rulesIfNotChecked	Icon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X
282	Over 42? rulesOver	Numeric Field	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X
283	Ok, over 42 rulesOver42	Date and Time (Date Picker)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X
284	No, not over 42 rulesNotOver42	Static Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X

At the bottom left is a "Save All" button with a dropdown arrow, and at the bottom right is a "Go" button.

- Click on a field (try a checkbox for instance)
- Go to the "Rules" accordion section
- Pick true or false for the "is checked" condition
- Choose a field from the actions menu, and then an action (e.g. show)
- Choose a field from the else menu, and then an action (e.g. hide)

The screenshot shows the 'General' configuration page for 'Options for Checkbox'. The main title is 'Options for Checkbox' under the 'Validation' section. Below it is the 'Rules' section. The 'Conditions' section contains a rule: 'Checked or not?' is checked, and its value is 'true'. The 'Actions' section contains four pairs of conditions and actions:

Action	Condition 1	Condition 2
Show	Ok, it's checked	
Required	Ok, it's checked	
Hide	Nope, not checked	
Not Required	Nope, not checked	

The 'Else' section also contains four pairs of conditions and actions:

Action	Condition 1	Condition 2
Hide	Ok, it's checked	
Not Required	Ok, it's checked	
Show	Nope, not checked	
Required	Nope, not checked	

At the bottom, there is a 'Tips' section with the note: 'Tips: Use alt + click to create a sub-group.'

The screenshot shows the 'Edit Over 42?' dialog in the TikiWiki CMS Groupware Tracker Fields configuration. The dialog has several tabs: General, Options for Numeric Field, Validation, and Rules. The Rules tab is active and displays a 'Conditions' section with a dropdown menu set to 'Any' and a condition 'Over 42? > 42'. Below this are 'Actions' for 'Ok, over 42' (Show) and 'No, not over 42' (Hide). There is also an 'Else' section with similar actions. To the right of the dialog, a list of tracker items is visible, each with a checkbox, a 'Mandatory' column (with checked boxes), and an 'Actions' column (with red 'X' marks).

- Save the field
- Then go to edit an item in that tracker and check and uncheck the checkbox  
[create a new item to try this out](#)

## Notes on Field Types

- **Category Fields**
  - These have the options `is empty`, `contains` and `doesn't contain` like other "collection" fields, but for categories you need to enter the category Id's, not the names.
- **ShowTikiOrg and Ratings Fields**
  - Currently (v 21.1) not working as they aren't really normal input fields - possibly will be fixed in future versions.

Note, this is an extremely new feature and should be considered rather fragile as of 21.0 (early 2020). Future changes in the code may mean you need to remake your rules after an upgrade.

## Using Field Rules in a Wiki Page (with Plugin Tracker)

In [PluginTracker](#) there are two new parameters, `rules` and `rulesparent`, `rules` is a y/n switch so set that to `y`, but `rulesparent` is a little trickier on a customised tracker plugin form (leave it empty if you are not using a [Pretty Tracker](#) form in your page).

Assuming you are, you need to tell the rules which element is the *parent* container element for the field you are acting on (say, to show or hide it).

- First do "inspect element" (this is in Firefox but more browsers do this)

File Upload | trunk 23

localhost/tiki/tracker-test

Most Visited

Jitsi

tiki trunk

tiki 19.x

Other Bookmarks

# tracker test

## Tracker form tester

name

Is it?

Link

Dynamo

cats and dogs

val?

numbo

Undo

Cut

Copy

Paste

Delete

Select All

Inspect Accessibility Properties

Inspect Element

Show 1Password

Video DownloadHelper

Select an Option

- Move the rightmost panels out of the way so you can see the document structure

The screenshot shows a web browser window with the title "File Upload | trunk 23" and the URL "localhost/tiki/tracker-test". The page content includes a heading "tracker test" and "Tracker form tester". Below this is a form with three fields: "name" (with a red asterisk), "Is it?", and "Link" (a dropdown menu with "Select an Option" and "Add Item...").

The browser's developer tools are open, specifically the "Inspector" tab. The "Layout" panel is active, showing the element tree. A red arrow points from the "This Element" section to the "element" node under "Pseudo-elements". Another red arrow points from the "Flexbox" section to the message "Select a Flex container or item to continue.". The "Box Model" panel shows a yellow dashed border around the selected element, with "margin" set to 0 and "border" set to 1.

- Hover over the element you've just inspected and it will light up in the page (here in purple and blue)

The screenshot shows a web browser window with the URL [localhost/tiki/tracker-test](http://localhost/tiki/tracker-test). The page content includes a heading "tracker test" and "Tracker form tester". Below the heading is a form with a text input field labeled "name" and a note "Is it?". To the right of the input field is a dropdown menu labeled "Link" with the option "Select an Option" and a button "Add Item...". The browser's developer tools are active, with the "Inspector" tab selected. The "Elements" panel displays the HTML structure, highlighting the input field with the ID "ins\_11". The "Rules" panel on the right shows the CSS rule ".form-control" from the file "spacelab.css:1521". A grey arrow points from the "Rules" panel towards the highlighted input field in the DOM tree.

```
<table class="wikitable table table-striped table-hover">[event]
  <tbody>
    <tr>
      <td class="wikicell">name</td>
      <td class="wikicell">
        <div>
          <input id="ins_11" class="form-control" type="text" name="ins_11"
            value="">
        </div>
        [whitespace]
        <strong class="mandatory_star ext-danger tips" title="" data-*
```

- Then move up the document structure until you find the whole row you would want to show or hide

File Upload | trunk 23

localhost/tiki/tiki/tracker-test

# tracker test

## Tracker form tester

name	<input type="text"/>
Is it?	<input type="checkbox"/>
Link	<div style="border: 1px solid #ccc; padding: 2px; width: 150px;">         Select an Option           <input type="button" value="Add Item..."/> </div>

name

Is it?

Link

Select an Option

Add Item...

Inspector

Rules

```

<table class="WIKITABLE TABLE TABLE-STRIPED TABLE-HOVER">
  <tr>
    <td> name </td>
    <td> <div> <input id="ins_11" type="text" name="ins_11" value=""> </div> whitespace <strong>mandatory_star text-danger tips</strong> <span>title="" data- </td>
  </tr>
</table>

```

This Element

.form-control { display: block; width: 100%; height: calc(1.5em + 0.75em); }

This form is a simple wiki table, so the container element is the `tr` (table row) which contains the input and the label, so your selector will be simply `tr`, but to make sure it doesn't get confused if the table's inside another one use `tr:first`, so your markup should be:

```
{tracker trackerId="42" wiki="tracker test tpl" rules="y" rulesparent="tr:first"}
```

Related:

- [Trackers](#)
- [PluginTracker](#)
- [PluginJQ](#) (the former way to achieve this behavior in Tiki < version 21.0)

Alias names for this page:

[Tracker Rules](#) | [TrackerRules](#) | [TrackerFieldRules](#) | [Tracker Rule](#) | [TrackerRule](#) | [TrackerFieldRule](#) | [Rule](#) | [Rules](#)