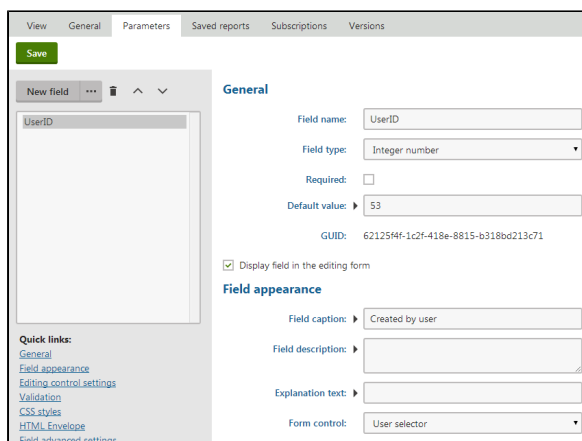Reports and their data can be filtered using parameters.

To create parameters for reports:

1. Open the **Reporting** application.
2. Select the report in the tree.
3. Switch to the **Parameters** tab.
4. Click **New field**.
5. Define the properties of the parameter (using the field editor).



6. Click **Save**.
7. Switch to the **General** tab.
8. Add the parameter to the queries of the report objects (table, graph or value).
   - All parameters that you define can be used in the query using the @<parametername> expression (e.g., *DocumentCreatedByUserID = @UserID*Parameter).

For an example of using parameters in reports, see the Defining report parameters section of Example - simple report.

## Context parameters

In your queries, you can use parameters that provide information about the current context when the report is viewed, such as current user, current site, etc.

- @CMSContextCurrentUserID
- @CMSContextCurrentUserName
- @CMSContextCurrentUserDisplayName
- @CMSContextCurrentSiteID
- @CMSContextCurrentSiteName
- @CMSContextCurrentSiteDisplayName
- @CMSContextCurrentDomain
- @CMSContextCurrentTime
- @CMSContextCurrentURL
- @CMSContextCurrentNodeID
- @CMSContextCurrentCulture
- @CMSContextCurrentDocumentID
- @CMSContextCurrentAliasPath
- @CMSContextCurrentDocumentName
- @CMSContextCurrentDocumentNamePath

For example, if you want to display a list of all expired documents of the current website, you can use a query like this:

```
SELECT DocumentNamePath AS [Document path]
FROM View_CMS_Tree_Joined
WHERE DocumentPublishTo < @CMSContextCurrentTime AND NodeSiteID =
@CMSContextCurrentSiteID
```

## Displaying parameter values in the report using macros

If you need to display the parameter values in the report, you can place the following macro expression in the report text: **{% parametername%}**

For example:

**List of pages expired on or before {%CMSContextCurrentTime%}**

displays:

**List of pages expired on or before 2/12/2013 12:06:49 PM**

You can use this syntax for both custom report parameters and context parameters.