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Semantic MediaWiki Basics
Define properties
Define properties
Create a template
Create a form
Integrate form edit mode
Template styling
Query the data
Naming conventions

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1 Semantic MediaWiki Basics

You do not have permission to edit this page, for the following reason:

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<bookshelf src="Book:Getting started with Semantic MediaWiki" /> ==Scope and terminology== Semantic MediaWiki (SMW) is a MediaWiki extension that enables you to define and query data on a wiki page. The following steps are usually taken to work with data-based content in your wiki : #'''Define properties:''' Properties determine which values can be queried in the wiki. #'''Create a template:''' This creates the output format of the data set on the wiki pages. #'''Create a form:''' Using this form, Wiki users can comfortably enter their data. #'''Assign a category:''' Each page that contains a semantic query is usually tagged with a category that was created for this purpose. This, in addition to the attributes, provides an important means of querying and filtering the pages. It also creates a form editing mode for the wiki pages that contain this category.
<gallery widths="380" heights="360"> File:Manual:SMW-Attribute-EN.png|Semantic properties File:Manual:SMW-Vorlage-EN.png|Semantic template File:Manual:SMW-Formular-EN.png|Data entry form File:Manual:SMW-Kategorie-EN.png|Category to organize data </gallery> ==Define properties== To make information available as data on a wiki page, we create so-called '''properties'''. For example, if we want to semantically record customer data, we create a wiki page for each customer. We collect customer data such as location on every customer page. To do this, we create a property that records the location of the customer. <nowiki>[[Has location::Regensburg]]</nowiki> Afterwards I can list all customers at a certain location or all customers with their associated locations in the wiki.
 ==Create a template== Since we often want to display several such properties and their values on one page at the same time, we format a special area that clearly shows the collected page attributes. This requires a (data) template, which can then be used on any wiki page.
 [[File:Manual:screenshot-Vorlage-EN.png|alt=Semantic template|center|thumb|750x750px|Data template]]
 ==Create a form== To support our users with data entry tasks, we create an input form. The input form is shown when users switch to the edit mode of a wiki page that has the semantic template included.
[[File:screenshot-Formular-EN.png|alt=Data entry form|center|thumb|500x500px|Data entry form]]
 ==Assign a category== Wiki pages that use semantic templates are tagged with a category. This category enables the assignment of the input form to the wiki page. The category is also used to query the data collected via the template and display it anywhere in the wiki.
 ==Example== On the following pages, we will create an example that collects and displays customer data it in the wiki. [[Manual:Semantic MediaWiki/Examples/Customer data|Example: Collect customer data]]
 [[de:Handbuch:Semantic_MediaWiki]] [[en:{{FULLPAGENAME}}]]

Return to Manual:Semantic MediaWiki.

2 Example: Customer data

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You can view and copy the source of this page.

<bookshelf src="Book:Getting started with Semantic MediaWiki" /> {{DISPLAYTITLE:Example: Customer data}} In this exampla for SMW, we create a query for customer data. The collected information is shown at the beginning of each customer page.
 [[File:Manual:screenshot-Vorlage-EN.png|alt=Example: Customer data|center|thumb|850x850px|Example: Customer data]]
 '''This requires 4 steps:''' #Defining properties #Creating a template #Creating a form #Creating a category ==Defining properties== For our customer query, we define 3 properties: *Location *Contact person *Date of first contact #Switch to "Special pages" in the navigation menu "Global Actions". Scroll down to section '''Page Forms'''.
 [[File:Manual:Attribut-erstellen-spezialseite2-EN.png|alt=Create a property|center|thumb|750x750px|Create a property]]
 #Click "Create a property". In the form, enter the name and data type for the first property Has location:: - Property name (1): Hat Location - Data type (2): Text
 [[File:Manual:Attribut-erstellen1-EN.png|alt=Create the first property|center|thumb|750x750px|Create the first property]]

Click "Save page" (3). A message box appears that shows you that the property is now being processed in the wiki. You can ignore this message.
[[File:Manual:Attribut-erstellen2-EN.png|alt=Property gets processed|center|thumb|750x750px|Property gets processed]]
For each property, a page is created in the namespace Property in the wiki. This page contains the information about the data type.
 #Switch back to the page Wechseln Sie erneut zur Seite "Spezial:CreateProperty". Create the property """Has contact person""" with data type """Text""" as shown before.
 #Switch back to "Special:CreateProperty". Create the property """Has First contact""" with data type """Date""".
 {{Messagebox|boxtype=tip|Note text=In your [[Manual:Extension/BlueSpiceUserSideBar |personal navigation]], you can create a quick link to the Page Forms section of the special pages main page. Just enter the following link: <nowiki>**[[Special:SpecialPages#Page_Forms]]</nowiki>}} You can review the properties in your wiki by going to the page "Special:Properties".
[[File:Manual:Attribute-spezialseite-EN.png|alt=Special page: Properties|center|thumb|750x750px|Special page: Properties]]
The necessary properties for data collection are now available. In the next step, we create the template that will be included in our customer pages to display the customer data. [[Manual:Semantic MediaWiki/Examples/Customer data/Template|Create the template]]
{{Box Links-en|Topic1=https://www.semantic-mediawiki.org/wiki/Help:Properties_and_types}} [[en:{{FULLPAGENAME}}]] [[de:Handbuch:Semantic_MediaWiki/Beispiele/Kundendaten]]

Templates used on this page:

- Template:Box Links-en (view source)
- Template:Messagebox (view source)
- Template:Messagebox/styles.css (view source)

Return to Manual:Semantic MediaWiki/Examples/Customer data.

2.1 Define properties

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You can view and copy the source of this page.

<bookshelf src="Book:Getting started with Semantic MediaWiki" /> {{DISPLAYTITLE:Example: Customer data}} In this exampla for SMW, we create a query for customer data. The collected information is shown at the beginning of each customer page.
 [[File:Manual:screenshot-Vorlage-EN.png|alt=Example: Customer data|center|thumb|850x850px|Example: Customer data]]
 '''This requires 4 steps:''' #Defining properties #Creating a template #Creating a form #Creating a category ==Defining properties== For our customer query, we define 3 properties: *Location *Contact person *Date of first contact #Switch to "Special pages" in the navigation menu "Global Actions". Scroll down to section '''Page Forms'''.
 [[File:Manual:Attribut-erstellen-spezialseite2-EN.png|alt=Create a property|center|thumb|750x750px|Create a property]]
 #Click "Create a property". In the form, enter the name and data type for the first property Has location:: - Property name (1): Hat Location - Data type (2): Text
 [[File:Manual:Attribut-erstellen1-EN.png|alt=Create the first property|center|thumb|750x750px|Create the first property]]

Click "Save page" (3). A message box appears that shows you that the property is now being processed in the wiki. You can ignore this message.
[[File:Manual:Attribut-erstellen2-EN.png|alt=Property gets processed|center|thumb|750x750px|Property gets processed]]
For each property, a page is created in the namespace Property in the wiki. This page contains the information about the data type.
 #Switch back to the page Wechseln Sie erneut zur Seite "Spezial:CreateProperty". Create the property """Has contact person""" with data type """Text""" as shown before.
 #Switch back to "Special:CreateProperty". Create the property """Has First contact""" with data type """Date""".
 {{Messagebox|boxtype=tip|Note text=In your [[Manual:Extension/BlueSpiceUserSideBar |personal navigation]], you can create a quick link to the Page Forms section of the special pages main page. Just enter the following link: <nowiki>**[[Special:SpecialPages#Page_Forms]]</nowiki>}} You can review the properties in your wiki by going to the page "Special:Properties".
[[File:Manual:Attribute-spezialseite-EN.png|alt=Special page: Properties|center|thumb|750x750px|Special page: Properties]]
The necessary properties for data collection are now available. In the next step, we create the template that will be included in our customer pages to display the customer data. [[Manual:Semantic MediaWiki/Examples/Customer data/Template|Create the template]]
{{Box Links-en|Topic1=https://www.semantic-mediawiki.org/wiki/Help:Properties_and_types}} [[en:{{FULLPAGENAME}}]] [[de:Handbuch:Semantic_MediaWiki/Beispiele/Kundendaten]]

Templates used on this page:

- Template:Box Links-en (view source)
- Template:Messagebox (view source)
- Template:Messagebox/styles.css (view source)

Return to Manual:Semantic MediaWiki/Examples/Customer data.

2.2 Create a template

You do not have permission to edit this page, for the following reason:

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You can view and copy the source of this page.

<bookshelf src="Book:Getting started with Semantic MediaWiki" /> {{DISPLAYTITLE:Create a template}} ==Creating the display template== To create the template, we go to the page "Special:Create template". On this page, we have access to the properties that we have already created. #Like in the previous step ([[Manual:Semantic MediaWiki/Examples/Customer data|creating properties]]), switch to the Page Forms section on the page "Special:SpecialPages".

[[File:Manual:Vorlage-erstellen-EN.png|link=https://en.wiki.bluespice.com/wiki/File:Manual:Vorlage-erstellen-EN.png|alt=Create a template|center|thumb|550x550px|Create a template]] #Define the data fields that you want to use in your template. For each property that you created, you need to have a field in the template.
[[File:Manual:Vorlage-erstellen-spezialseite-EN.png|alt=Create the template|center|thumb|750x750px|Create the template]]
 #*'"Template name (1):"' Enter "Customer data" as name for the template. #*'"Category (2):"' Define a category which will be assigned to all customer pages that use this template. It makes sense to also call this category Customer data. #*'"Field name (3):"' Create a field name for the property Has location. This field name will later be used to connect the template with the data entry form. The name should not contain spaces. #*'"Display label (4):"' This is the field label tha tis shown on the customer pages. It can contain spaces. #*<nowiki/>'"S"'<nowiki/>'"emantic property"' '"(5):"' Choose the property "Has location" that you created in the previous step. #*'"A"'<nowiki/>'"dd field (6):"' Click Add field to create the fields for the properties "Has First contact" and "Has contact person". #C<nowiki/>lick "Save page" at the end of the page "Seite speichern". The template is now available and can be viewed in the "Template" namespace. You do not have to edit the template any further at this point. ==Including the template on a page== #To include the template on a customer page, you simply add it from the Visual Editor "Insert" menu.
[[File:Manual:Vorlage-einfügen-VE-EN.png|alt=Insert the template on a page|center|thumb|280x280px|Insert the template on a page]] #Start typing the name "Customer data" and select the template (1). Then, click "Add template" (2).
[[File:Manual:Vorlage-einfügen-VE2-EN.png|alt=Select template|center|thumb|350x350px|Select template]] #Click "Insert."
[[File:Manual:Vorlage-einfügen-VE3-EN.png|alt=Insert template|center|thumb|350x350px|Insert template]] #Save the page. The template is now included on the page.
[[File:Manual:Vorlage-eingebunden-EN.png|alt=Included template|center|thumb|750x750px|Included template]] ==Next step== Next, we create a form that makes it easy for users to enter the data. [[Manual:Semantic MediaWiki/Examples/Customer data/Form|Create a form]] {{Box Links-en|Topic1=https://www.semantic-mediawiki.org/wiki/Help:Semantic_templates Help page for semantic templates}} [[de:Handbuch:Semantic_MediaWiki/Beispiele/Kundendaten/Vorlage]] [[en:{{FULLPAGENAME}}]]

Template used on this page:

- Template:Box Links-en (view source)

Return to Manual:Semantic MediaWiki/Examples/Customer data/Template.

2.3 Create a form

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You can view and copy the source of this page.

<bookshelf src="Book:Getting started with Semantic MediaWiki" /> With the page "Special:CreateForm", we now create the data entry form.
 [[File:Manual:Formular-erstellen1-EN.png|alt=Create a form|center|thumb|600x600px|Create a form]]
 ==Creating the form== #On the "Create a form" page, enter a name for your new form. Since we create it for template "Customer data", we give the form the same name (1). Select the template Customer data from the choice menu and click "Add" (2).
[[File:Manual:Formular-erstellen2-EN.png|alt=Select template|center|thumb|400x400px|Select template]]
 #The customer data fields from the template Customer data are automatically integrated in the form. To facilitate the data entry for the date field, change the input type of the field "firstcontact" to "datepicker." (1) Then, click "Save page" (2).
[[File:Manual:Formular-erstellen3-EN.png|alt=Selecting the input type|center|thumb|650x650px|Selecting the input type]]
 Now the form is available for data entry. It can be found in the namspace "Form." ==Using the form== When we create a new customer page, we can now use the form page to create the page and to automatically include the customer data template in the page. The form page has the name "Form:Customer data". #To create a customer page, enter a page name in the form field (1) and click "Create or edit" (2)"."
[[File:Manual:Formular-fertig-EN.png|alt=Create a customer page|center|thumb|650x650px|Create a customer page]]
 #Enter the customer data (1). You can additionally create some free text (2). Click "Save page" after editing the page (3).
[[File:Manual:Formular-dateneingabe-EN.png|alt=Dateneingabe während Seitenerstellung|center|thumb|650x650px|Dateneingabe während Seitenerstellung]]
 Now you have created a customer page that collects customer data and shows the entered data on the page. [[File:Manual:Kundenseite-beispiel-EN.png|alt=Customer page with semantic template|center|thumb|650x650px|Customer page with semantic template]] {{Messagebox|boxtype=note|Note text=You can [[Manual:Semantic MediaWiki/Examples/Customer data /Template styling|customize the template style]] later. First, you should integrate the form with the customer pages.}}
 ==Next step== As the next step, we add the form edit mode option to pages that include the "Customer data" template. [[Manual:Semantic MediaWiki/Examples/Customer data /Form edit mode|Edit pages in form edit mode]] {{Box Links-en|Topic1=[https://www.mediawiki.org/wiki /Extension:Page_Forms/Quick_start_guide https://www.mediawiki.org/wiki/Extension:Page_Forms /Quick_start_guide] Help page for the extension "PageForms"}} [[en:{{FULLPAGENAME}}]] [[de:Handbuch: Semantic_MediaWiki/Beispiele/Kundendaten/Formular]] __NOTOC__

Templates used on this page:

- Template:Box Links-en (view source)
- Template:Messagebox (view source)
- Template:Messagebox/styles.css (view source)

Return to Manual:Semantic MediaWiki/Examples/Customer data/Form.

2.4 Integrate form edit mode

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You can view and copy the source of this page.

<bookshelf src="Book:Getting started with Semantic MediaWiki" /> {{DISPLAYTITLE:Integrating the form edit mode}} With the page "Special:CreateCategory," we now connect the category "Customer data" with the form "Customer data". This adds a '"form edit link"' to all pages that use the '"template"' "Customer data". Additionally, it makes it possible to list pages that include customer data throughout the wiki.
 ==Activating the form edit mode== #Switch again to the page "Special:Special pages". In the section "Page Forms," click the link "Create a category."
[[File:Manual:Kategorie erstellen-EN.png|link=https://en.wiki.bluespice.com/wiki/File:Manual:Kategorie%20erstellen-EN.png|alt=Create a category|center|thumb|500x500px|Create a category]] #Enter the category name you chose in step "Create template". In our case, this is the category "Customer data" (1). Select the form "Customer data" (2). Click "Save page" (3)"." [[File:Manual:Kategorie erstellen2-EN.png|alt=Enter category info|center|thumb|650x650px|Associate category and form]]
The category page "Customer data" is now associated with the form "Customer data".
[[File:Manual:Kategorieseite-EN.png|alt=Category that is associated with a form|center|thumb|650x650px|Category that is associated with a form]]
The "Customer data" category page is now linked to the "Customer data" form. As a result of this link, the edit button opens the form on the customer pages.[[File:edit button.png|alt=Screenshot of the edit buttoncenter|thumb|The edit-button opens the form|center]] {{Messagebox|boxtype=note|Note text=If you do not want to use a category to make the "form edit" option available on a page, you can also associate the form with a namespace or simply add the form reference directly to the template. For more information see [https://www.mediawiki.org/wiki/Extension:Page_Forms/The_%22edit_with_form%22_tab the instructions on mediawiki.org]}}{{Box Links-en|Topic1=[[Manual:Semantic MediaWiki/Examples/Customer data/Template styling|Styling the template]]|Topic2=[[Manual:Semantic MediaWiki/Examples/Customer data/Queries|Query the collected data]]|Topic3=[[Manual:Semantic MediaWiki/Naming conventions|Naming conventions for semantic elements]]|Topic4=[[Tutorials#SemanticMediaWiki|Video tutorials for Semantic MediaWiki]]}}
 [[en:{{FULLPAGENAME}}]] [[de:Handbuch:Semantic_MediaWiki/Beispiele/Kundendaten/Formularmodus]]

Templates used on this page:

- Template:Box Links-en (view source)
- Template:Messagebox (view source)
- Template:Messagebox/styles.css (view source)

Return to Manual:Semantic MediaWiki/Examples/Customer data/Form edit mode.

3 Template styling

You do not have permission to edit this page, for the following reason:

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You can view and copy the source of this page.

<bookshelf src="Book:Getting started with Semantic MediaWiki" /> By default, a semantic template that was created with the page "Special:CreateTemplate," is displayed in a basic table format. Each property/value pair is shown in a new table row.The table width adjusts to the table content.
 [[File:Manual:Vorlage-Stil-standard-EN.png|alt=Default table of a semantic template|center|thumb|750x750px|Default table of a semantic template]] To change the table layout, we can add some styling information to the template. ==Adjusting the template styling== To format the table, we create a subpage to the template. It contains the custom template styles. In the following example, we create a variation of the original table with a width of 100%, left-aligned labels and more padding in the table cells. [[File:Manual:screenshot-Vorlage-EN.png|alt=Customized table styling|center|thumb|750x750px|Customized table styling]] Create the subpage styles.css. For the template Customer data, you need to create the page "Template:Customer data/styles.css". To achieve the shown table styling, add the following code to the new "styles.css". <pre> table. mysmwtable { width:100%; /*width of the box/ margin: 0 0 2em 0; /*cell padding*/ background-color: #f8f9fa; /*background color for the table*/ color: #222; /*Textfarbe*/ border: 1px solid #a2a9b1; /*border*/ border-collapse: collapse; /*border*/ } table.mysmwtable > tr > th, table.mysmwtable > * > tr > th { background-color: #eaecf0; /*background color of the label column*/ text-align: left; /*alignment of the label column*/ width:25%; /*width of the label column*/ } table.mysmwtable > tr > td, table.mysmwtable > * > tr > td { background-color: #f8f9fa; /*background-color of the second column*/ } table.mysmwtable > tr > th, table.mysmwtable > tr > td, table.mysmwtable > * > tr > th, table.mysmwtable > * > tr > td { border: 1px solid #a2a9b1; /*border around cells*/ padding: 10px; /*cell padding*/ } form.createbox table.formtable th { padding:10px 0; /*distance between form fields*/ } </pre>[[File:Manual:Vorlage-Stil-css-EN.png|alt=Create a custom table style|center|thumb|650x650px|Create a custom table style]]
'"Save"' the page. Now edit the page "Template:Customer data".
 (1) Add the reference to the page "styles.css" at the beginning of the template. You can copy the following tag:
 "<nowiki><templatestyles src="Customer_data/styles.css" /></nowiki>"
 (2) Change the name of the css-class used in the table from "wikitable" "mysmwtable".
 [[File:Manual:Vorlage-stil-tag-EN.png|alt=Add style tag to the template|center|thumb|450x450px|Add style tag to the template]] '"Save"' the changes.

Now you can see the new table styling.. As a variation, you can also define the background color of the table cells. For example, you can create white cell backgrounds. Change the following lines in your "styles.css":
<syntaxhighlight lang="css"> table. mysmwtable > tr > th, table.mysmwtable > * > tr > th { background-color: white; /*background color of the label column*/ } </syntaxhighlight>sowie <syntaxhighlight lang="css"> table.smwtable > tr > td, table.smwtable > * > tr > td { background-color: white; /*Hintergrundfarbe der Wertespalte*/ } </syntaxhighlight>Im CSS ändern sich also folgende Zeilen:
[[File:Manual:Vorlage-Stil-css-white-EN.png|alt=White cell backgrounds|center|thumb|750x750px|White cell backgrounds]] Die Zellhintergründe werden entsprechend angepasst. [[File:Manual:Vorlage-Stil2-EN.png|alt=Display of white table backgrounds|center|thumb|750x750px|Display of white table backgrounds]]
 ==Infobox== You can also format the table as an infobox. An infobox is floating to the left or right of the text flow. [[File:Manual:Vorlage-Infobox-EN.png|alt=Infobox|center|thumb|750x750px|Infobox]]
Add the following css-code to the page Template":Customer_data/styles.css" and save the template. Delete any previous styles for the class . mysmwtable to avoid any inheritance problems for the styles: <syntaxhighlight type="css" lang="css"> table. mysmwtable { float:right; /*right-aligned infobox*/ width:300px; /*width of the box*/ margin: 0 0 2em 2em; /*cell padding*/ background-color: #f8f9fa; /*background color for the table*/ color: #222; /*Textfarbe*/ border: 1px

solid #a2a9b1; /*border*/ border-collapse: collapse; /*border*/ } table.mysmwtable > tr > th, table.mysmwtable > * > tr > th { background-color: #eaecf0; /*background color of the label column*/ text-align: left; /*alignment of the label column*/ } table.mysmwtable > tr > th, table.mysmwtable > tr > td, table.mysmwtable > * > tr > th, table.mysmwtable > * > tr > td { border: 1px solid #a2a9b1; /*border around cells*/ padding: 0.2em 0.4em; /*cell padding*/ } form.createbox table.formtable th { padding:10px 0; /*distance between form fields*/ } </syntaxhighlight>
{{Messagebox|boxtype=tip|Note text=If you need different output formats, create separate templates to accomodate the styling. The templates can then use different subpages (styles.css) for each styling.}} [[en:{{FULLPAGENAME}}]] [[de:Handbuch:Semantic_MediaWiki/Beispiele/Kundendaten/Vorlage_gestalten]]

Templates used on this page:

- Template:Messagebox (view source)
- Template:Messagebox/styles.css (view source)

Return to Manual:Semantic MediaWiki/Examples/Customer data/Template styling.

4 Query the data

You do not have permission to edit this page, for the following reason:

The action you have requested is limited to users in one of the groups: Users, Administrators, ES_editors, editor.

You can view and copy the source of this page.

<bookshelf src="Book:Getting started with Semantic MediaWiki" /> {{DISPLAYTITLE:Semantic data queries}} You can query and display the data that you collect in the wiki at at any time on any wiki page. =="Ask" queries== With the parser function "#ask", we can now use the semantic properties and the category association to show the collected data on our wiki pages. As an example, we list the pages that collect customer data. You can include this "ask" query on any wiki page:<syntaxhighlight lang="text"> {{#ask: [[Category:Customer data]] |?Has location |?Has contact person |?Has First contact }} </syntaxhighlight> This query first defines via the category "Customer data" that only pages within this category should be included in the data query (1). Then, using the pipe-syntax <code>|?</code> we define which property values we want to display (2).
 [[File:Manual:ask-Abfrage-einfach-EN.png|alt=Simple "ask" query|center|thumb|300x300px|Simple "ask" query]] The default results output is in a table format. The page from which the customer data originates is automatically added as a first column (this can be customized as needed).
 {{#ask: [[Category:Customer data]] |?Has location |?Has contact person |?Has First contact }} ==Adjusting the output format== The output of the data is very flexible and offers many customizing options. Let's look at some examples.
 ===Table formatting=== Output with adjusted table width of 100% (format=broadtable) and with adjusted column labels. The first column also gets a custom label (mainlabel=Customer): {{#ask: [[Category:Customer data]] |?Has location = Location |?Has contact person = Contact |?Has First contact= Date of first contact |mainlabel = Customer |format= broadtable }}Query: <syntaxhighlight lang="text"> {{#ask: [[Category:Customer data]] |?Has location = Location |?Has contact person = Contact |?Has First contact= Date of first contact |mainlabel = Customer |format= broadtable }} < /syntaxhighlight> ===Simple page list=== Output of pages that use the template "Customer data" in a list format: {{#ask: [[Category:Customer data]] |format= ul }} Query:<syntaxhighlight lang="text"> {{#ask: [[Category: Customer data]] |format= ul }} </syntaxhighlight> ==Adjusting the query== In semantic queries, results can be filtered by namespaces, categories and semantic attributes. ===Examples=== The following query shows all results for the namespace "Manual" and the category "Customer data". The output shows the location of the customers: <syntaxhighlight lang="text"> {{#ask:[[Manual:+]] [[Category:Customer data]] |?Has location = Location }} </syntaxhighlight> Result: {{#ask:[[Manual:+]] [[Category:Customer data]] |?Has location = Location }}
The following query shows all results for the namespace "Manual" '"and" for the namespace "(Main)""'and'<nowiki/>" for the category "customer data". All three selection criteria have to be valid for a page to be included in the results. (Note: The namespace (Main) is referenced as empty prefix (<code>:+</code>). <syntaxhighlight lang="text"> {{#ask:[[Manual:+||:+]] [[Category:Customer data]] |?Has location = Location |mainlabel = Customer }} </syntaxhighlight> Result: {{#ask:[[Handbuch:+||:+]] [[Category:Customer data]] |?Has location = Location |mainlabel = Kunde }} The following query shows the results from namespace "Manual" and from the category "Customer data". <syntaxhighlight lang="text"> {{#ask:[[Category:Customer data]] [[Has location::Regensburg]] |?Has location = Location |mainlabel = Customer }} </syntaxhighlight> Result: {{#ask: [[Category:Customer data]] [[Has location::Regensburg]] |?Has location = Location |mainlabel = Customer }} {{Box Links-en|Topic1=[https://www.semantic-mediawiki.org/wiki/Help:Inline_queries https://www.semantic-mediawiki.org/wiki/Help:Inline_queries] Help page for semantic inline queries}} [[en:{{FULLPAGENAME}}]] [[de: Handbuch:Semantic_MediaWiki/Beispiele/Kundendaten/Abfrage]]

Template used on this page:

- Template:Box Links-en (view source)

Return to Manual:Semantic MediaWiki/Examples/Customer data/Queries.

5 Naming conventions

You do not have permission to edit this page, for the following reason:

The action you have requested is limited to users in one of the groups: Users, Administrators, ES_editors, editor.

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{{Messagebox|<bookshelf src="Book:Getting started with Semantic MediaWiki" /> ==Consistent naming of pages== Before you create a semantic template, you first need to define which data to collect. Usually the data can be seen as a data set. {{Messagebox|boxtype=example|Note text=We want to collect customer data. All customers get their own wiki page. On each page we enter information about the company "location", the primary "contact person" and the "date of first contact" with the company.}} It makes sense to name the required pages consistently. In our example, we would create the pages "Template:Customer data", "Form: Customer data" and "Category:Customer data." You can even consider putting the pages in their own namespace [[Manual:The concept of namespaces|namespace]] "Customer". [[Manual:The concept of namespaces]] For the properties, you have to consdier that the property "location" could also be used outside the context of customer pages. There could be locations for partners or vendors, for example. Each context could get their own property (e.g. "Customer location") or share the same property location and then use a different category (Customer data, Partner data, ...) on the wiki pages to distinguish them. ==Classification of information== ===Categories=== Generell unterscheiden wir bei der Klassifizierung von Seiten zwischen Kategorien und Attributen. Mit Kategorien wird die Seite an sich beschrieben. Am Beispiel Kunden kategorisieren wir jede Kundenseite mit dem Schlagwort "Kundendaten." Die Kategorie sammelt also alle Seiten, auf der sich Kundendaten befinden. When classifying pages, we generally differentiate between categories and properties. The page itself is described with categories. Using the example of customers, we categorize each customer page with the keyword "Customer data". The category therefore collects all pages on which customer data is located. ===Properties=== In den Kundendaten werden nun bestimmte Eigenschaften gesammelt, die jeden Kunden genauer beschreiben. Hierzu werden Attribute erstellt. Im Normalfall stehen diese Attribute in einer direkten Beziehung zur Seite selbst. Daher kann es hilfreich sein, die semantische Beziehung über das Attribut auszudrücken: Certain properties that describe each customer more precisely are now collected as customer data. Normally, these properties are directly related to the page itself. It can therefore be helpful to express the semantic relationship directly in the property: <pre>Customer Technicon has location Regensburg. (page) (property) (value)</pre> Therefore, we capture the relationship to the page in the property name: "Has location". {{Messagebox|boxtype=note|Note text=It is not required to express this relationship function of properties (as predicates). The property can also simply be names "location" if its intended use is clear. There is, however a difference between "Has location" and "Is location of". For example, the customer Technicon has the location Regensburg. The city of Regensburg, on the other hand, is the location of the customer Technicon.}}
<bs:drawio filename="Semantic MediaWiki /Nomenklatur-86700495" />
 ==Subpages== We can also work with a subpage system and work with properties like Property:Customer/Has_location, Property:Customer/ Has_First_contact, and so on. If the property "Location" is also to be used elsewhere, it is advisable to define Property: Has_location instead of Property:Customer/Has_location. When properties can be clearly assigned to a use case or have several use cases, it makes sense to name them accordingly. For example, Property:Customer/Contract_number can be a sequential, whole number, but Property:Partner/Contract_number can contain entries such as "1.1.5" or "4.3.7". {{Box Links-en|Topic1=[https://www.semantic-mediawiki.org/wiki/Help:Classification https://www.semantic-mediawiki.org/wiki/Help:Classification]}} [[de:Handbuch:Semantic_MediaWiki/Nomenklatur]] [[en: {{FULLPAGENAME}}]]

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