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Semantic MediaWiki Basics

The content format pdf is not supported by the content model wikitext.

Return to Main Page.

Login required

Please log in to edit pages.

Return to Manual:Semantic MediaWiki/Examples.

Example: Customer data

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You can view and copy the source of this page.

==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]]

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

Login required

Please log in to edit pages.

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

Create a form

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==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."

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

Integrate form edit mode

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==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]]

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

Query the data

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==“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 }}

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

Create a template

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==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.

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

Template styling

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==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]]

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

Naming conventions

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==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.

Return to Manual:Semantic MediaWiki/Naming conventions.