

Talking Meta

Meta talk about Smalltalk, [Seaside \(http://www.seaside.st/\)](http://www.seaside.st/), [Magritte \(http://www.lukas-renggli.ch/smalltalk/magritte/\)](http://www.lukas-renggli.ch/smalltalk/magritte/), [Pier \(http://www.piercms.com/\)](http://www.piercms.com/) and related things.

Test Coverage of Pier and Magritte (<http://www.lukas-renggli.ch/blog/test-coverage-pier-magritte>)

I submitted a simple extension of the *SUnit Test Runner* to the [Pharo Inbox \(http://www.squeaksource.com/PharoInbox\)](http://www.squeaksource.com/PharoInbox). It accurately determines the test coverage of a selected package. For the latest versions of [Magritte \(http://www.lukas-renggli.ch/smalltalk/magritte/\)](http://www.lukas-renggli.ch/smalltalk/magritte/) and [Pier \(http://www.piercms.com/\)](http://www.piercms.com/) I get the following results:

Package	Number of Tests	Test Coverage
Magritte-Model (http://source.lukas-renggli.ch/magritte.html)	1,637	71%
Pier-Model (http://source.lukas-renggli.ch/pier.html)	1,409	81%

Posted by Lukas Renggli at 30 March 2009, 8:57 pm with tags [magritte \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&29\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&29), [pier \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&30\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&30), [testing \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&31\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&31) [1 comment \(http://www.lukas-renggli.ch/blog/test-coverage-pier-magritte\)](http://www.lukas-renggli.ch/blog/test-coverage-pier-magritte) [link \(http://www.lukas-renggli.ch/blog/test-coverage-pier-magritte\)](http://www.lukas-renggli.ch/blog/test-coverage-pier-magritte)

Video of Magritte Presentation (<http://www.lukas-renggli.ch/blog/magritte-video-esug2008>)

There were [complaints \(http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008\)](http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008) that the [slides \(http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008/slides\)](http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008/slides) of my Magritte presentation are puzzling. That's true, but the idea is to get people listen to the talk instead of reading the slides. Luckily you can do that now even if you were not at ESUG 2008 in Amsterdam. Have a look at the [video \(http://www.cincomsmalltalk.com/blog/blogView?entry=3405708370\)](http://www.cincomsmalltalk.com/blog/blogView?entry=3405708370). James Robertson posted on his blog.

Posted by Lukas Renggli at 3 December 2008, 9:13 am with tags [magritte \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&32\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&32), [presentation \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&33\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&33), [video \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&34\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&34)

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110th birthday of René Magritte (<http://www.lukas-renggli.ch/blog/magritte-110>)

Several people have pointed out that [Google \(http://www.google.be/\)](http://www.google.be/) is displaying a montage of the work of René Magritte in honor of his 110th birthday:



Above the screenshot of the search engine as seen in Belgium, the home country of the famous surrealist artist. The paintings of René Magritte have always fascinated me and provided the necessary inspiration to the [Magritte \(http://www.lukas-renggli.ch/smalltalk/magritte\)](http://www.lukas-renggli.ch/smalltalk/magritte) meta-modelling framework.

Posted by Lukas Renggli at 21 November 2008, 8:43 pm with tags [magritte \(http://www.lukas-renggli.ch/blog? k= P9ICdnq&36\)](#), [google \(http://www.lukas-renggli.ch/blog? k= P9ICdnq&37\)](#) [1 comment \(http://www.lukas-renggli.ch/blog/magritte-110\)](#) [link \(http://www.lukas-renggli.ch/blog/magritte-110\)](#)

Magritte Presentation ESUG 2008 (<http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008>)

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On [Tuesday \(http://www.esug.org/Conferences/2008/Tuesday+26\)](http://www.esug.org/Conferences/2008/Tuesday+26) I gave a 15 minutes presentation on Magritte to give a quick overview and prepare people for the following panel discussion. The slides are available to download [here \(http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008/slides?view=PRDownloadView\)](http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008/slides?view=PRDownloadView). James Robertson blogged about my [presentation \(http://www.cincomsmalltalk.com/blog/blogView?showComments=true&printTitle=Magritte&entry=3397192468\)](http://www.cincomsmalltalk.com/blog/blogView?showComments=true&printTitle=Magritte&entry=3397192468) as well as the following [panel discussion \(http://www.cincomsmalltalk.com/blog/blogView?showComments=true&printTitle=Meta Modeling Panel&entry=3397194223\)](http://www.cincomsmalltalk.com/blog/blogView?showComments=true&printTitle=Meta Modeling Panel&entry=3397194223).

[renggli.ch/blog?_k=P9ICdnq&27](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&27)
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This file cannot be displayed. Visit
lnkd.in/eDbQmYK to learn how to
view this file

Posted by Lukas Renggli at 29 August 2008, 10:43 am with tags [esug \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&38\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&38), [magritte \(http://www.lukas-renggli.ch/blog?_k=P9ICdnq&39\)](http://www.lukas-renggli.ch/blog?_k=P9ICdnq&39) [2 comments \(http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008\)](http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008) [link \(http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008\)](http://www.lukas-renggli.ch/blog/magritte-presentation-esug2008)

Magritte Rendering in Seaside (<http://www.lukas-renggli.ch/blog/magritte-rendering>)

[Magritte \(http://www.lukas-renggli.ch/smalltalk/magritte\)](http://www.lukas-renggli.ch/smalltalk/magritte) for [Seaside \(http://www.seaside.st\)](http://www.seaside.st) allows one to automatically build Seaside components from descriptive objects. There are several possibilities to customize this 3 step process:

1. a renderer defines the markup surrounding the form elements,
2. a view component defines the visual appearance of every form element, and
3. decorations surround the generated form to add additional functionality.

The Renderer

`MATableRenderer` (default) and `MACssRenderer` are complementary. These classes define how the different Magritte components are laid out in the generated XHTML. You can choose a different renderer by overriding the container description of your domain object:

descriptionContainer

```

^ super descriptionContainer
  componentRenderer: MACssRenderer;
  yourself

```

To customize the way CSS classes are assigned to the individual items of the form, add the class names to the respective descriptions.

descriptionFirstName

```

^ MAStringDescription new
  accessor: #firstName;
  cssClass: 'firstname';
  yourself

```

If a completely different markup is needed, a custom subclass of `MAComponentRenderer` should be created. Below a short description of the two renderers that come with Magritte.

The table renderer

`MATableRenderer` puts the form elements into a table, this is what traditional web applications mostly do. This looks good without applying any style-sheet.

```

<table>
  <tr class="group">
    <th colspan="2"><i>Group Label</i></th>
  </tr>
  <tr>
    <th><i>Description Label</i></th>
    <td><i>Description Component</i></td>
  </tr>
  ...
</table>

```

The CSS renderer

The other renderer, `MACssRenderer`, uses semantically meaningful XHTML markup and requires some CSS tweaking to look fine:

```

<dl>
  <dt class="group"><i>Group Label</i></dt>
  <dt><i>Description Label</i></dt>
  <dd><i>Description Component</i></dd>
  ...
</dl>

```

The components

The components (subclasses of `MADescriptionComponent`) provide the view of the description. Every description has a default component, and some have additional views. In the example below, the boolean value can either be displayed using a checkbox (default), a drop-down box, or a group of radio buttons.

descriptionVegetarian

```

^ MABooleanDescription new
  accessor: #vegetarian;

```

```

componentClass: MACheckboxComponent;
"or MAMSelectListComponent or MAMRadioGroupComponent" ;
yourself

```

The list of views that are known to work with a particular description can be found in the class-side method called `defaultComponentClasses` of the respective description. For `MAMBooleanDescription` this method looks like:

```

defaultComponentClasses
^ Array
  with: MACheckboxComponent
  with: MAMSelectListComponent
  with: MAMRadioGroupComponent

```

To build your own view, simply customize one of the existing views or implement your own Seaside component as a subclass of `MAMDescriptionComponent`.

The decorations

The decorations (subclasses of `MAMComponentDecoration`) enable one to customize the form around the components build by Magritte. This is not done automatically from the renderer, because one might want to manually compose multiple components to one big screen. The following decorations are available:

Decoration Class	Add Selector	Description
<code>MAFormDecoration</code>	<code>addForm</code> and <code>addForm:</code>	Surrounds the component with a <code><form></code> tag and adds <code>save</code> and <code>cancel</code> buttons. Other button actions and labels can be specified with the decoration.
<code>MASwitchDecoration</code>	<code>addSwitch</code>	Turns the component read-only, but adds an edit button that allows one to switch between view and edit-mode.
<code>MAValidationDecoration</code>	<code>addValidation</code>	Normally invisible, but in case of validation errors show a list of problems.

Since `addForm` and `addValidation` are commonly used together, there are the convenience methods `addValidatedForm` and `addValidatedForm:.` To decorate your Magritte components differently, simply create your own decoration class or refine an existing one.

Posted by Lukas Renggli at 12 August 2008, 9:44 am with tags [magritte](http://www.lukas-renggli.ch/blog?k=P9ICdnq&40) (<http://www.lukas-renggli.ch/blog?k=P9ICdnq&40>), [seaside](http://www.lukas-renggli.ch/blog?k=P9ICdnq&41) (<http://www.lukas-renggli.ch/blog?k=P9ICdnq&41>), [tutorial](http://www.lukas-renggli.ch/blog?k=P9ICdnq&42) (<http://www.lukas-renggli.ch/blog?k=P9ICdnq&42>) [2 comments](http://www.lukas-renggli.ch/blog/magritte-rendering) (<http://www.lukas-renggli.ch/blog/magritte-rendering>) [link](http://www.lukas-renggli.ch/blog/magritte-rendering) (<http://www.lukas-renggli.ch/blog/magritte-rendering>)

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