



Smalltalk Party

Lukas Renggli

renggli@iam.unibe.ch, University of Bern



Agenda

- SmallWiki – Meta-described collaborative web-application framework
- Magritte – Generic meta-modeling
- Essential Test Runner – SUnit in the large



SmallWiki 2

Meta-described collaborative
web-application framework

Available on SqueakMap
MIT License





Pier

Meta-described collaborative
web-application framework

Available on SqueakMap
MIT License

Pier

A pier was originally a *raised walkway* over water that is supported by piles or pillars. Today the most common form of pier is the *industrial pier* which can be found at ports *throughout the world*. A pier may be *open air* or *closed*. Sometimes a pier has *two decks*.



Pier

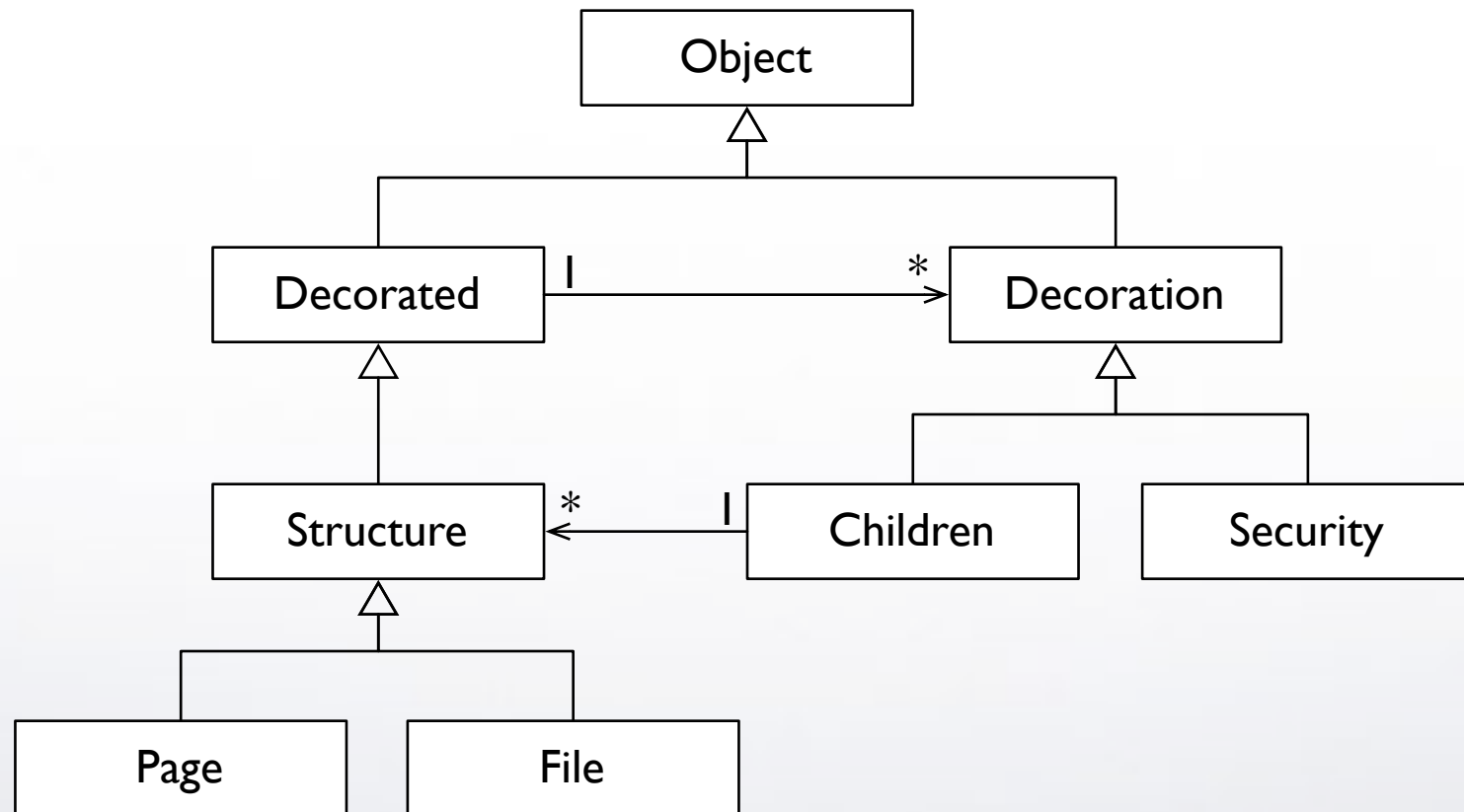
Meta-described collaborative
web-application framework

Available on SqueakMap
MIT License





Object Model





Magritte

Generic meta-modeling

Available on SqueakMap
MIT License



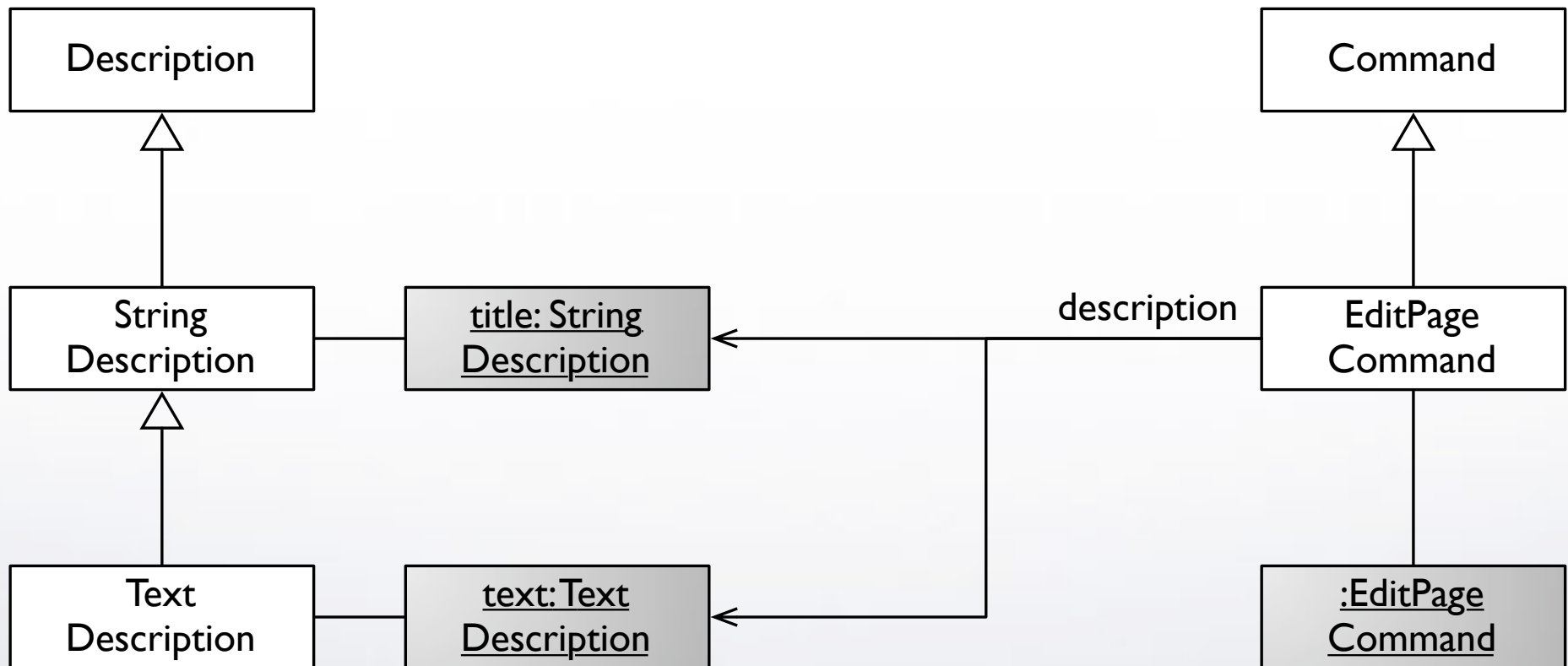


Overview

- Views and validated editors
- Processing of queries
- Object persistency
- Relational data mapping
- Action modeling



Edit Command





Source Code

EditPageCommand class>>descriptionTitle

```
^ (StringDescription selector: #title label: 'Title' priority: 100)
  beRequired;
  yourself.
```

EditPageCommand class>>descriptionContents

```
^ (TextDescription selector: #contents label: 'Contents' priority: 200).
```



Seaside Component

self call: `command asComponent`



Seaside Component

Edit Page

Title:*

Contents:



Morphic Component

`command asMorph callInWorld`



Morphic Component





Advantages

- Describe once, get everywhere.
- Automatically build views and editors, process queries and store objects.
- Extensibility of classes is ensured.
- Fully customizable, e.g., it is possible to replace any automatically generated view with a modified or customized one.



Essential Test Runner

SUnit in the Large

<http://mc.lukas-renggli.ch/essential>

