



WebStyle

Customising the look of your server

← → ✖ http://serv.er/



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- [Experimental Physics \(EP\)](#) (1) [Theoretical Physics \(TH\)](#) (4)
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CERN Document Server team
Invenio User Group Workshop - CERN - 7-9 May 2012

- Each module defines its own template:
 - `websearch_templates.py`
 - `webcomment_templates.py`
 - `webstyle_templates.py`
 - etc.

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 - `webcomment_templates.py`
 - `webstyle_templates.py`
 - etc.
- Default templates can be overridden (sub-classed):
 - in `invenio-local.conf`: `CFG_WEBSTYLE_TEMPLATE_SKIN = foo`
 - create `webstyle_templates_foo.py` in `/opt/invenio/lib/python/invenio/`
 - subclass `Template` and override any desired function

```
from invenio.config import CFG_SITE_LANG
from invenio.webstyle_templates import Template as DefaultTemplate

class Template(DefaultTemplate):
    """Ithaca style templates."""

    def tmpl_pagefooter(self, req=None, ln=CFG_SITE_LANG,
                        lastupdated=None, pagefooteradd=""):
        """
        Ithaca style page footer. See the default function for
        the meaning of parameters.
        """

        out = ""
        out += """<hr>This site has no footer.
                  </body>
                  </html>"""
        return out
```

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from invenio.messages import gettext_set_language
_ = gettext_set_language(ln)
my_translated_message = _("my message")
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  - ```
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_ = gettext_set_language(ln)
my_translated_message = _("my message")
```
 - Do not forget to add the necessary `import` statements in your custom templates

CFG_WEBSTYLE_INSPECT_TEMPLATES = 0

http://serv.er/



The screenshot shows a web browser window with the URL <http://serv.er/> in the address bar. The page title is "ATLANTIS INSTITUTE OF FICTIVE SCIENCE". On the left, there is a circular logo for "ATLANTIS INSTITUTE FICTIVE SCIENCES" featuring a stylized ship's wheel. The top navigation bar includes links for "Search", "Submit", "Personalize", and "Help". A user icon labeled "guest :: login" is in the top right. The main content area has a search form with a text input, a dropdown menu set to "any field", and buttons for "Search" and "Browse". Below the search form are links for "Search Tips" and "Advanced Search". To the left, a section titled "Narrow by collection:" lists checked categories: "Articles & Preprints" (65), "Books & Reports" (24), and "Multimedia & Arts" (15). To the right, a "Focus on:" section lists "CERN Divisions" (5), "Experimental Physics (EP)" (1), "Theoretical Physics (TH)" (4), "CERN Experiments" (2), "ALEPH" (1), and "ISOLDE" (1). On the far right, a "ABOUT THIS SITE" box welcomes visitors to the demo site of Invenio, a free document server software from CERN. It encourages exploration of all features. Below it is a "SEE ALSO" box linking to "Invenio" and "CERN". At the bottom, footer information includes the website name, version, maintainer, update date, and language support.

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CFG_WEBSTYLE_INSPECT_TEMPLATES = 1

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CFG_WEBSTYLE_INSPECT_TEMPLATES debugging mode is enabled. Please hover your mouse pointer over any region on the page to see which template function generated it.

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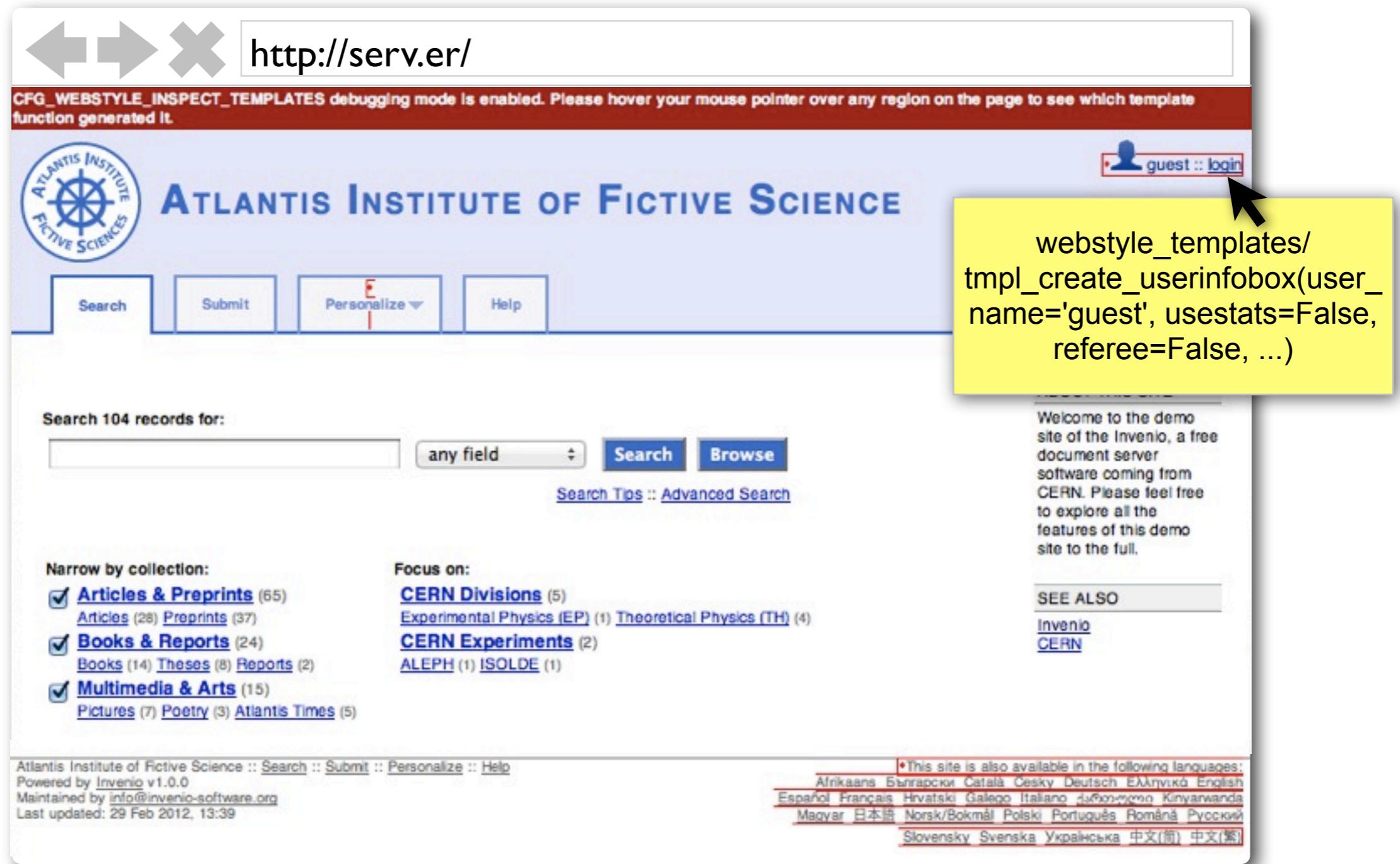
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CFG_WEBSTYLE_INSPECT_TEMPLATES = 1



The screenshot shows a web browser window with the URL <http://serv.er/>. A red banner at the top states: "CFG_WEBSTYLE_INSPECT_TEMPLATES debugging mode is enabled. Please hover your mouse pointer over any region on the page to see which template function generated it." Below the banner, the page header includes the "ATLANTIS INSTITUTE OF FICTIVE SCIENCE" logo and navigation links for Search, Submit, Personalize, and Help. The main search area displays "Search 104 records for:" followed by a search input field, a dropdown menu set to "any field", and "Search" and "Browse" buttons. To the right of the search area is a yellow callout box containing the text: "webstyle_templates/tmpl_create_userinfobox(user_name='guest', usestats=False, referee=False, ...)" with a black arrow pointing to the "guest :: login" link in the header. The right sidebar contains a welcome message: "Welcome to the demo site of the Invenio, a free document server software coming from CERN. Please feel free to explore all the features of this demo site to the full." It also lists "SEE ALSO" links for "Invenio" and "CERN". At the bottom, there are footer links for "Atlantis Institute of Fictive Science :: Search :: Submit :: Personalize :: Help", language information ("This site is also available in the following languages: Afrikaans Български Català Česky Deutsch Ελληνικά English Español Français Hrvatski Galego Italiano 日本語 한국어 Kiswahili Magyar 日本語 Norsk/Bokmål Polski Português Română Русский Slovensky Svenska Українська 中文(简) 中文(繁)"), and system details ("Powered by Invenio v1.0.0 Maintained by info@invenio-software.org Last updated: 29 Feb 2012, 13:39").

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↑ webstyle_templates/
tmpl_language_selection_box
(req, en)

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webstyle_templates/
tmpl_pagefooter(req, ln, ...)



Checking templates

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# Before installing on top of your installation:  
$ make check-custom-templates  
# checks template from release against installed on  
# and find mismatch of interfaces
```

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$ make check-custom-templates  
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# Can be run at any time with  
$ python /opt/invenio/lib/python/invenio/template.py \  
--check-custom-templates
```

Current shortcomings

- Business logic & presentation layer separation enforced by coding guidelines only
 - Some templates might be more difficult to customise
 - ... and maintain

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→ multiplication of places to edit

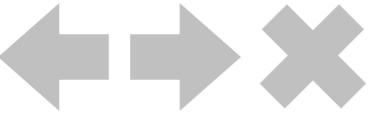
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→ multiplication of places to edit
- Many small functions not always conveniently grouped

Restriction flag

 <http://serv.er/record/42>

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Information References (0) Citations (0) Keywords Discussion (0) Usage statistics Files Plots Holdings

Thesis / Accelerators and Storage Rings LBL-28106

A small low energy cyclotron for radioisotope measurements

Bertsche, K J (Calif. Univ. Berkeley)

Nov 1989
Lawrence Berkeley Nat. Lab. Berkeley, CA

Keyword(s): [bibliography](#)
Note: Thesis : Calif. Univ. Berkeley

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in webstyle_templates.detailed_record_container_top(...)

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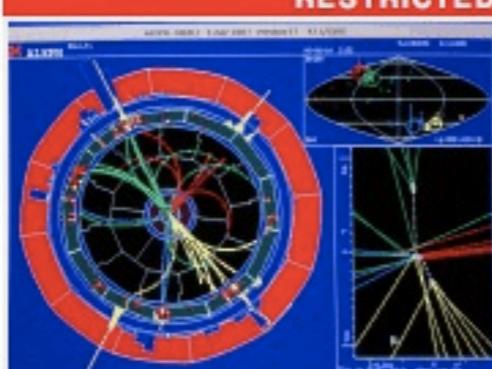
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Main file(s):

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0106015_01

version 1 [0106015_01.gif \(icon\)](#) [20.46 KB] 04 May 2012, 15:15
[0106015_01.jpg](#) [1.51 MB] 04 May 2012, 15:15

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in websubmit_templates tmpl_bibdoc_filelist(...)

The future

- Transitioning to Jinja2 templates
- Investigating UI frameworks
- Explosion of REST APIs with Flask