

One Approach to Managing Users in Plone

Jeremy M. Smith <jeremy@ucdavis.edu>
Carol McMasters-Stone <cbeck@ucdavis.edu>

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Goals

- **Manage and Display “person” information in an academic/research department**
- **Allow users to update their own profiles**
- **Automate account creation**

The Steps

- customize portal_memberdata
- quick-subclass Folder to Person Folder
- customize portal_membership
- customize prefs form templates*
- customize display templates*
- script adding users

*Note

- template examples will be available on the ZUGoD website after the presentation

portal_memberdata

- In ZMI/Plone root/portal_memberdata
 - Properties tab
 - add relevant fields
 - e.g., degree, sortname, affiliation, etc.

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
<input type="checkbox"/> email	<input type="text"/>	string
<input type="checkbox"/> portal_skin	<input type="text"/>	string
<input type="checkbox"/> listed	<input checked="" type="checkbox"/>	boolean
<input type="checkbox"/> login_time	<input type="text" value="2000/01/01"/>	date
<input type="checkbox"/> last_login_time	<input type="text" value="2000/01/01"/>	date
<input type="checkbox"/> fullname	<input type="text"/>	string
<input type="checkbox"/> error_log_update	<input type="text" value="0.0"/>	float
<input type="checkbox"/> home_page	<input type="text"/>	string
<input type="checkbox"/> location	<input type="text"/>	string
<input type="checkbox"/> description	<input type="text"/>	text
<input type="checkbox"/> language	<input type="text"/>	string
<input type="checkbox"/> ext_editor	<input type="checkbox"/>	boolean
<input type="checkbox"/> wysiwyg_editor	<input type="text" value="Kupu"/>	string
<input type="checkbox"/> visible_ids	<input type="checkbox"/>	boolean
<input type="checkbox"/> sortname	<input type="text"/>	string
<input type="checkbox"/> degree	<input type="text"/>	string
<input type="checkbox"/> deginstitution	<input type="text"/>	string
<input type="checkbox"/> workingtitle	<input type="text"/>	string
<input type="checkbox"/> homedepartment	<input type="text"/>	string
<input type="checkbox"/> hometitle	<input type="text"/>	string
<input type="checkbox"/> affiliation	<input type="text"/>	string

portal_memberdata

- Fields used at CMB

Field	Type	Use
sortname	string	Surname, used for sorting
degree	string	e.g., “PhD”
deginstitution	string	Where degree was attained
workingtitle	string	e.g., “Assistant Professor”
homedepartment	string	e.g., “Neurology”
hometitle	string	if different from workingtitle
affiliation	string	Core Faculty, Administrative Staff, etc.
phone	string	
keywords	string	comma-separated research interests

subclass Folder to Person Folder

- Just to set default view template
 - Cheater Method: through the ZMI
- In ZMI/portal_types
 - copy “Folder (Folder)”
 - paste, rename to “Person Folder”
 - edit to change view template to person_folder_listing

Factory-based Type Information with dynamic views at /portal_types/Person Folder

[Help!](#)

Properties allow you to assign simple values to Zope objects. To change property values, edit the values and click "Save Changes".

Name	Value	Type
Title	<input type="text" value="Person Folder"/>	string
Description	<input type="text" value="A person folder which can contain other items."/>	text
Icon	<input type="text" value="folder_icon.gif"/>	string
Product meta type	<input type="text" value="ATFolder"/>	string
Product name	<input type="text" value="ATContentTypes"/>	string
Product factory method	<input type="text" value="addATFolder"/>	string
Initial view name	<input type="text" value="person_folder_listing"/>	string
Implicitly addable?	<input checked="" type="checkbox"/>	boolean
Filter content types?	<input type="checkbox"/>	boolean
Allowed content types	<input type="text" value="ATBooleanCriterion"/> <input type="text" value="ATCurrentAuthorCriterion"/> <input type="text" value="ATDateCriteria"/> <input type="text" value="ATDateRangeCriterion"/> <input type="text" value="ATListCriterion"/> <input type="text" value="ATPathCriterion"/> <input type="text" value="ATPortalTypeCriterion"/>	multiple selection
Allow Discussion?	<input type="checkbox"/>	boolean
Default view method	<input type="text" value="person_folder_listing"/>	string
Available view methods	<input type="text" value="person_folder_listing"/>	lines
Fall back to default view?	<input type="checkbox"/>	boolean

portal_membership

- In ZMI/portal_membership
- set member area type to new Person Folder
- You may also want to change the members folder (we renamed it to “people”)
- Will change view template for members folder later

property forms

- In ZMI/portal_skins/plone_prefs
 - personalize_form (what users sees under Preferences/Personal Preferences)
 - prefs_user_details (what Managers see in Users and Groups configlet)
- Just copy existing form field code and modify for each of your new fields
- Basically identical, unless you want to hide some fields from users (e.g., affiliation)

display templates

- copy-and-modify default folder view template
- ZMI/portal_skins/plone_content/folder_listing
- people_folder_listing: listing for whole department, sorted by affiliation then sortname
- person_folder_listing: listing for an individual person

people_folder_listing

- Once you have created the template, navigate to ZMI/[members folder] Properties tab
 - set “layout” to “people_folder_listing”
 - create lines field called “person_types” populated with your affiliations
 - for CMB: Core Faculty, Affiliated Faculty, Administrative Staff, Research Staff, Trainees, Visiting Scholars, Alumni

people_folder_listing

People

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The faculty, staff and trainees of the CMB

Quick Jump: |[Core Faculty](#)|[Affiliated Faculty](#)|[Administrative Staff](#)|[Research Staff](#)|[Trainees](#)|[Visiting Scholars](#)|[Alumni](#)|

Core Faculty

Ron Mangun, PhD, Director/Professor, Psychology and Neurology

tel: 530-297-4655 office: 267 Cousteau Pl., Room 109

Andy Yonelinas, PhD, Associate Director/Professor, Psychology

tel: 530-754-8289 office: Young Hall, Room 268C

Jennifer Beer, PhD, Assistant Professor, Psychology

tel: 530-297-4472 office: 267 Cousteau Pl., Room 196

David Corina, PhD, Professor, Linguistics

tel: 530-297-4421 office: 267 Cousteau Pl., Room 152

Simona Ghetti, PhD, Assistant Professor, Psychology

tel: 530-747-3803 office: 202 Cousteau Pl., Suite 250, Room 243

Katharine Graf-Estes, PhD, Assistant Professor, Psychology

office: 202 Cousteau, Room 233 keywords: language development

person_folder_listing

Jeremy Smith

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Senior Systems Developer, Center for Mind and Brain

Office: 267 Cousteau Pl., Room 137

Telephone: 530-297-4654

Email: jeremy@ucdavis.edu



Keywords: Technology Support, Purchasing, Systems Administration, Application Development

As the senior systems administrator and developer, I oversee the technology infrastructure of the Center.

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script adding users

- <http://docs.neuroinf.de/PloneBook/ch9.rst>
- Thanks to Charles for pointing this out
- We use a set of shell scripts to create accounts across several systems. These scripts call our addUser.py script using wget (cheesy, but effective)

Bonus:

group_folder_listing

- Allows for “lab pages” to re-use existing info based on group membership

People

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People in the Corina Lab

David Corina, PhD, Professor, Linguistics

tel: 530-297-4421 office: 267 Cousteau Pl., Room 152

Dr. Corina's research focuses on understanding the neural bases of higher cognitive function, specifically language and memory. He is interested in specifying functional and neuroanatomical models of human behavior and elucidating the degrees of plasticity within systems related to language and memory. His research encompasses psychology, linguistics, computational modeling and neuroscience, incorporating techniques that include self-designed behavioral tests, functional imaging (fMRI and functional spectroscopy), cortical stimulation and single unit recording. Investigating the neural plasticity of primary human language areas in the brain, Dr. Corina conducts studies that compare language processing in deaf users of American Sign Language and hearing users of spoken language. He is also investigating the perceptual and memory systems that underlie human actions, including American Sign Language. These studies make use of memory paradigms to understand the similarities and differences between processing different classes of human actions. Dr. Corina collaborates on research in adults with focal epilepsy to shed light on the neural systems involved in performing language and memory tasks. He also designs paradigms for functional neuroimaging to investigate language function in children with learning disabilities.



Michael Grosvald, MS (UC Berkeley) , Graduate Student, Corina Lab

tel: 530-747-3817 office: 267 Cousteau Pl., Room 167C

Mike Grosvald studied Math and Linguistics at UC Davis and then earned his Masters in Math at UC Berkeley. Realizing that he missed studying languages, he decided to fulfill a dream of becoming multilingual by going abroad. For the following seven years, he lived and worked in Prague, Berlin, and Taipei, and eventually visited over 100 countries. He then returned to Davis,

