

# Rapid Plone Development

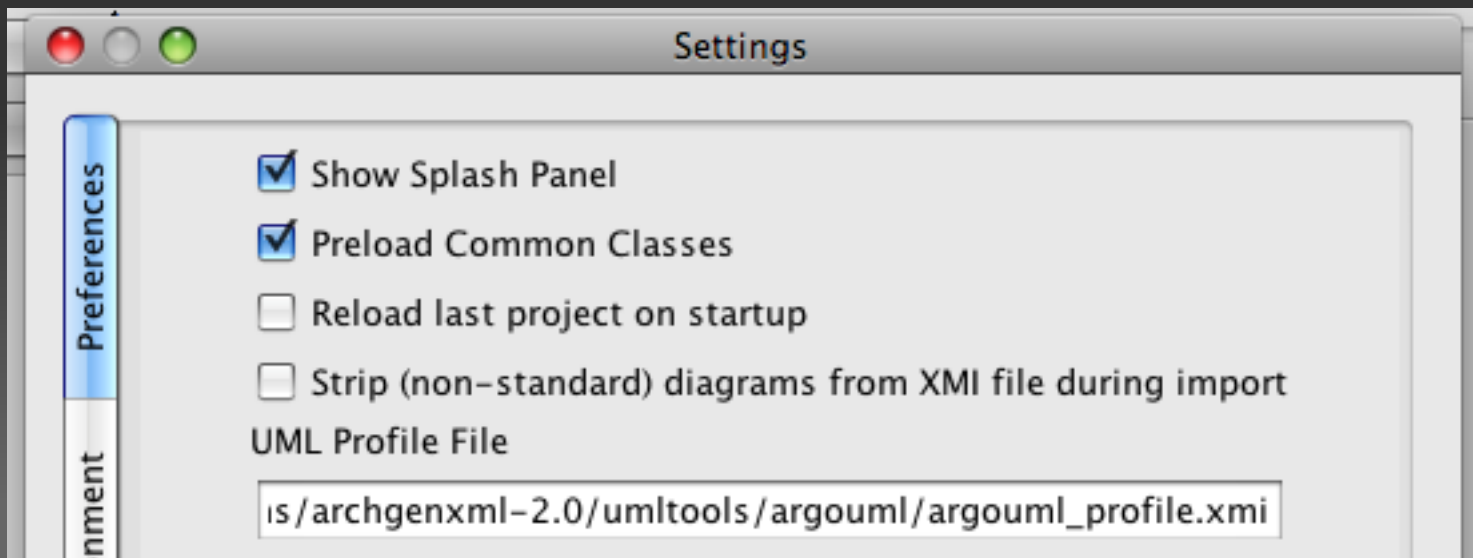
ArgoUML, ArchGenXML, and  
Beyond

by Nathan Van Gheem

# ArgoUML - Setup

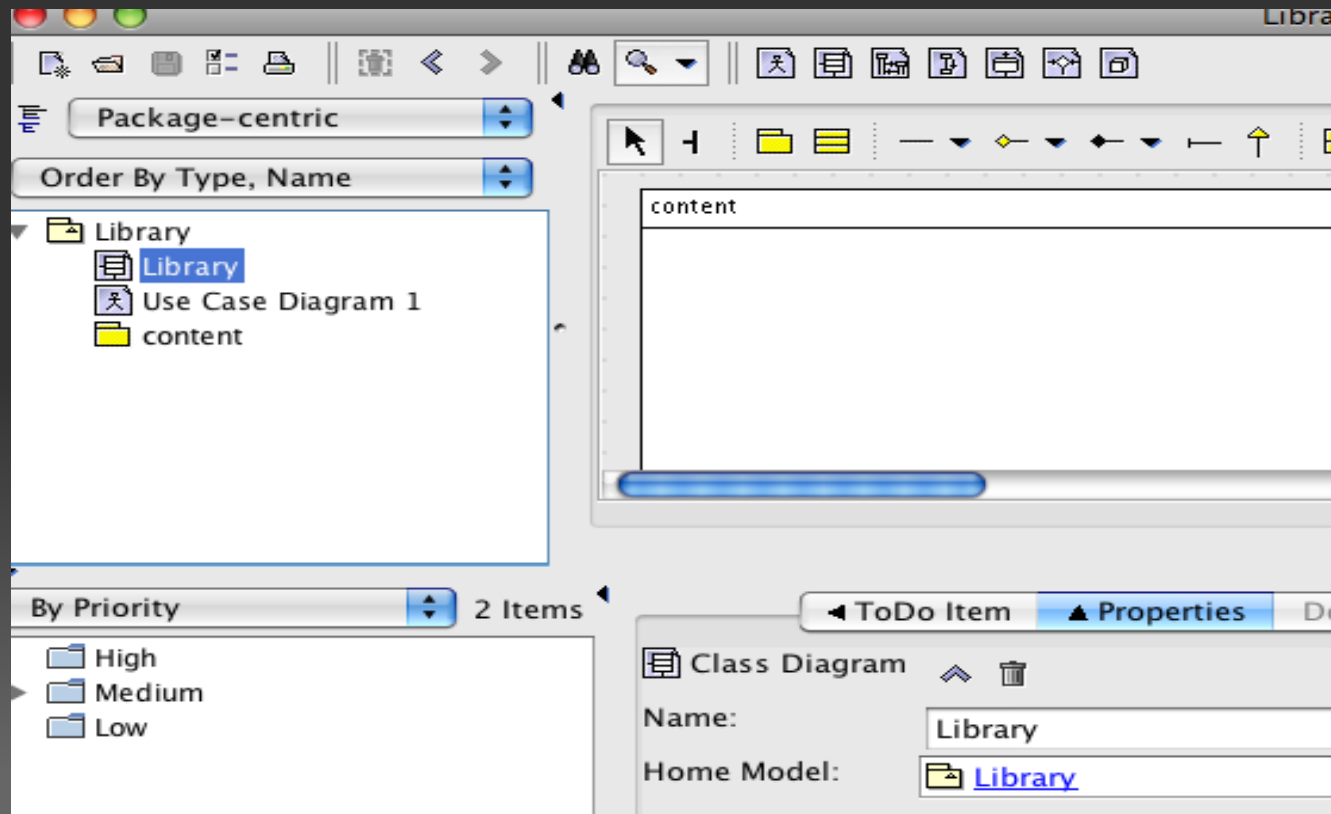
It is advised to add the ArchGenXML .xmi file that comes with ArchGenXML so that different tag values and stereotypes will be available when creating your models in ArgoUML.

- Locate ArchGenXML install directory
  - In this case, it is
    - /Applications/archgenxml-2.0/umltools/argouml/argouml\_profile.xmi
- In ArgoUML,
  - Edit -> Settings -> UML Profile File



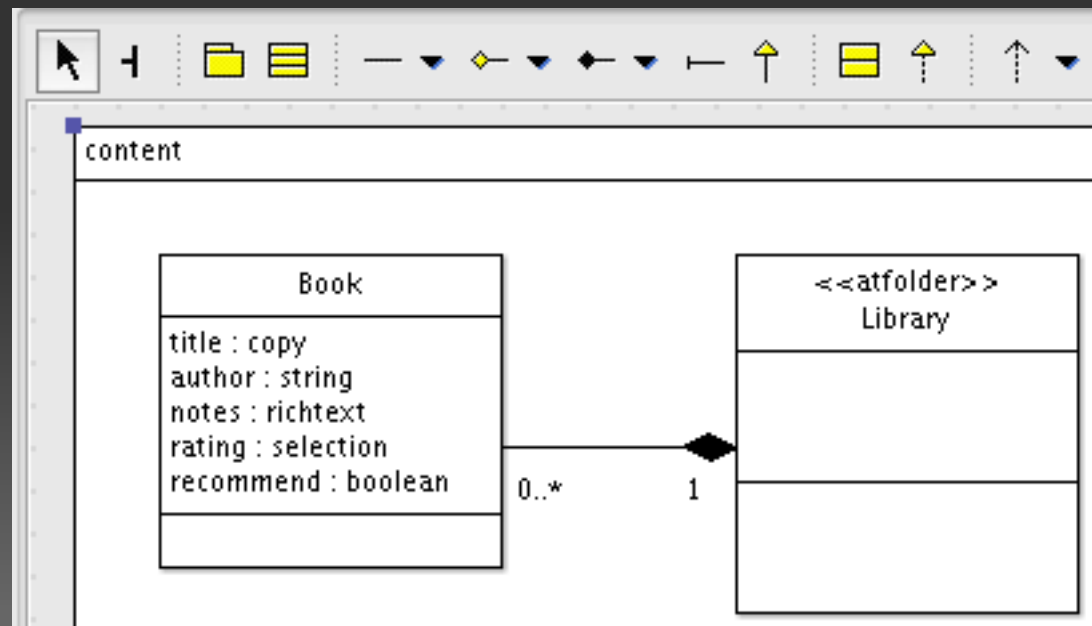
# ArgoUML - Product Setup

- Set the name of package and default class diagram to the name of your product.
- Create a new package and name it "content." This is the name of the folder all of your content types will be placed.



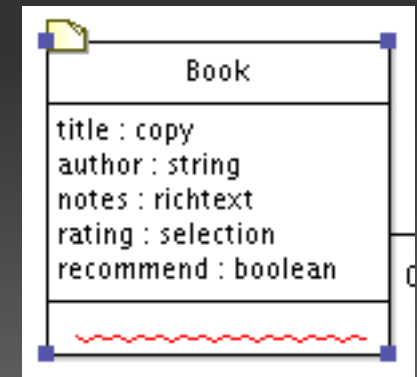
# ArgoUML - Create Types

- In this example, we'll create an application to keep track of books you've read and movies you've watched.
- Add classes Library and Book
- Draw composition relationship from Library(1) to Book(0..\*)
- Make Library a stereotype of ATFolder. This make it inherit from the ATFolder class.



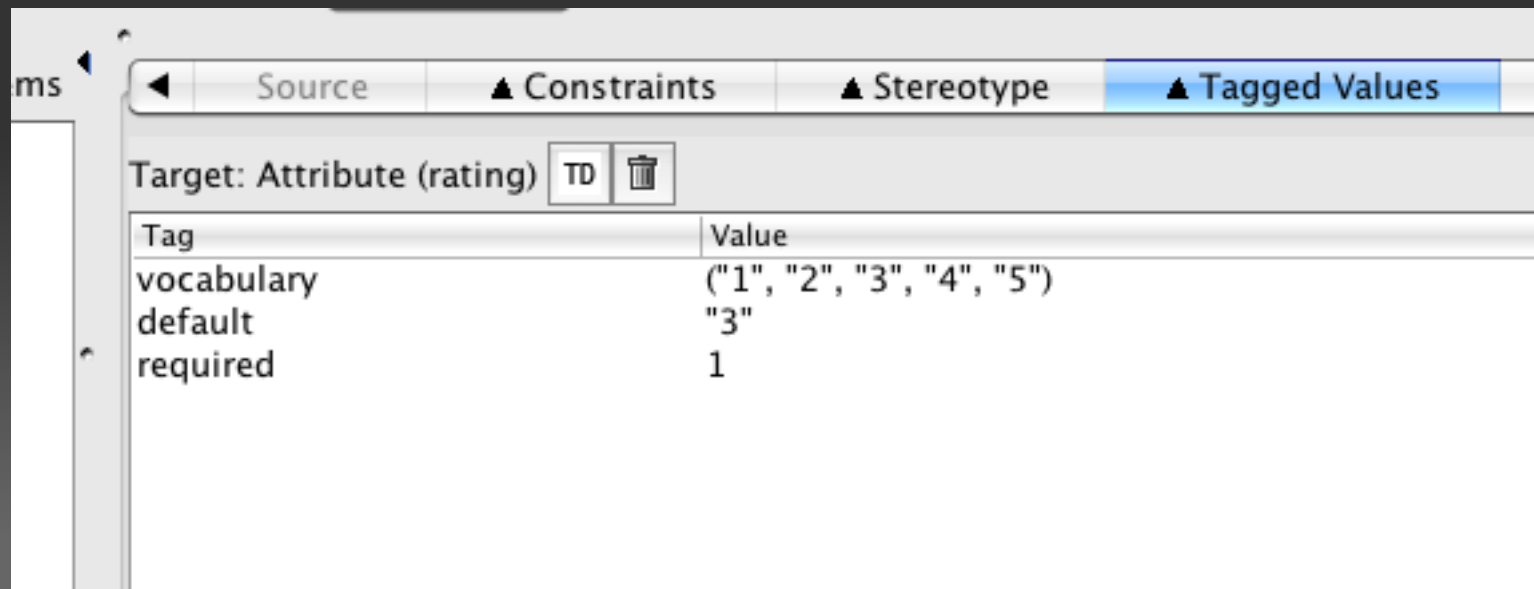
# ArgoUML - Adding Fields

- Next we add fields to the content types
- Fields
  - title: copy
    - Every type has a title attribute by default. Doing this allows you to copy the existing field and modify aspects of it if needed.
  - notes: richtext
    - Uses WYSIWYG editor
  - rating: selection
    - Will use drop down to select items



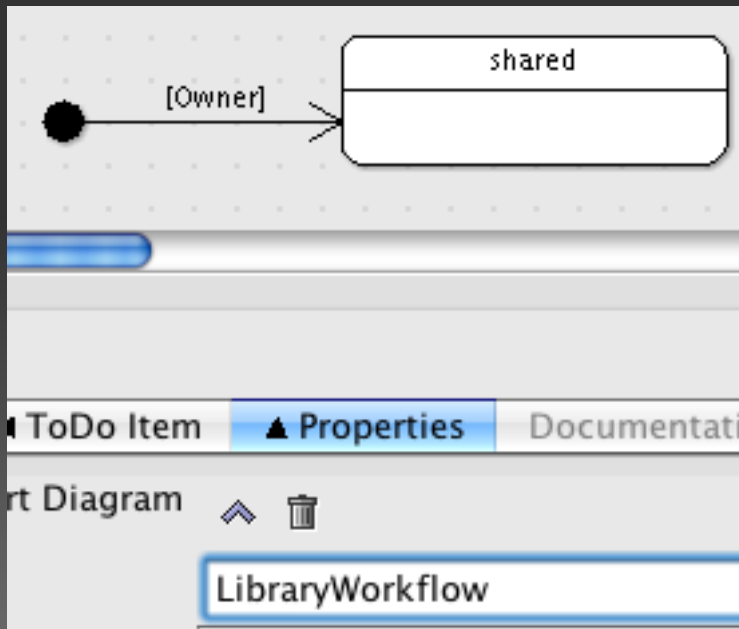
# ArgoUML - Customizing Fields

- searchable - field can be searched by
- required - feild required for creation
- catalog:metadata - adds field to metadata being retrieved
- default - default value for field
- vocabulary - possible values for field
- write\_permission
- read\_permission



# ArgoUML - Workflows

- Can also specify workflows in ArgoUML
- Must create workflow inside one of the content type definitions to work
- set privileges
- Must set "use\_workflow" tag value on Book content type to use the created workflow

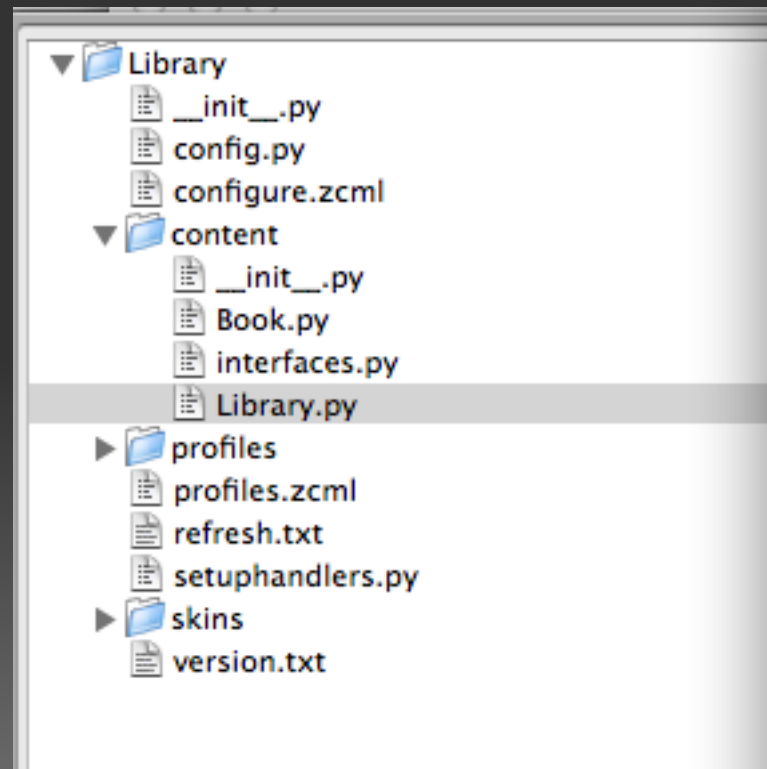


Target: SimpleState (shared)

Tag	Value
list	Member,Owner
view	Member,Owner
modify	Owner
access	Member,Owner

# ArchGenXML - Creating Product

- At this point you pretty much have a complete product
- Just run a command like this in your Products folder
  - `archgenxml BookLibrary.zargo`
- Restart Plone and install your product



# Result

View Edit Properties Sharing

Actions ▼ State: private ▼

## War and Peace

by [admin](#) — last modified May 28, 2008 09:40 PM

**Author:**  
Leo Tolstoy

**Notes:**  
Some extra info

**Rating:**  
3

**Recommend:**  
Yes

share  
Advanced...

---

— Send this — Print this —

# Beyond - Customizing

- ArchGenXML is designed so that you can still edit the source code without it being affected by what is generated by it.
- Everything section of code that looks like the following you can place

```
##code-section config-bottom #fill in your manual code here  
##/code-section config-bottom
```

# ArgoUML Tips

- Save often. It seems ArgoUML has some memory leaks and after many minutes of usage, it becomes buggy.
- If for some reason it doesn't seem to save a change, move a class box in the class diagram and then it should save.

# Resources

ArgoUML - <http://argouml.tigris.org/>

ArchGenXML - <http://plone.org/products/archgenxml>

ArchGenXML Dev Man - <http://plone.org/documentation/manual/archgenxml2>