

# Multi-Portal Architecture

*Barcelona, May 10<sup>th</sup>, 2001*




External Presentation

# The Problem

- Maintain similar but not identical functionalities for various clients.



# Two Bad Alternatives

1. Copy-paste-modify:  
clear code separation, but common parts have to be maintained manually.
  2. Introduce “casuistics”:  
create lots of “IF” statements that make the code inmaintainable.
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# The Matrix of Death

	Ceramica	Textile	Motocycle	Furniture	Galicia	...
ES						
EN						
IT						
...						

$3 * 5 =$   
15 Variants

And its  
decomposition

Ceramica	Textile	Motocycle	Furniture	Galicia	...

$3 + 5 =$   
8 Variants

ES	
EN	
IT	
...	

Good Example:  
Marketplace language & logos

# Approaches

## Management / Sales

- Rise attention of sales/management.
- Reflect cost of variant management by price.

## Technical

- Inheritance and similar techniques.
- “User exits” with client specific “exit” implementations (=> SAP).
- Design templates specific to customer.
- Well planned parameterization of modules from the beginning.

# Similarities and Differences in Portals

		Ceramica	Textile	Motorcycl	Furniture	Shoe	Galicia
<b>Static Pages</b>	Functionality	same	same	same	same	same	same
	Design	diff	diff	diff	diff	diff	diff
	Content	diff	diff	diff	diff	diff	diff
<b>Marketplace</b>	Functionality	same	same	same	same	same	same
	Design	diff	diff	diff	diff	diff	diff
	Content	same	same	same	same	same	same
	Parameters	diff	diff	diff	diff	diff	diff
<b>Community</b>	Functionality	same	same	same	same	same	same
	Design	diff	diff	diff	diff	diff	diff
	Content	same	same	same	same	same	same
	#Modules	diff	diff	diff	diff	diff	diff
	Parameters	diff	diff	diff	diff	diff	diff

=> Similarities dominate, but parameterization required

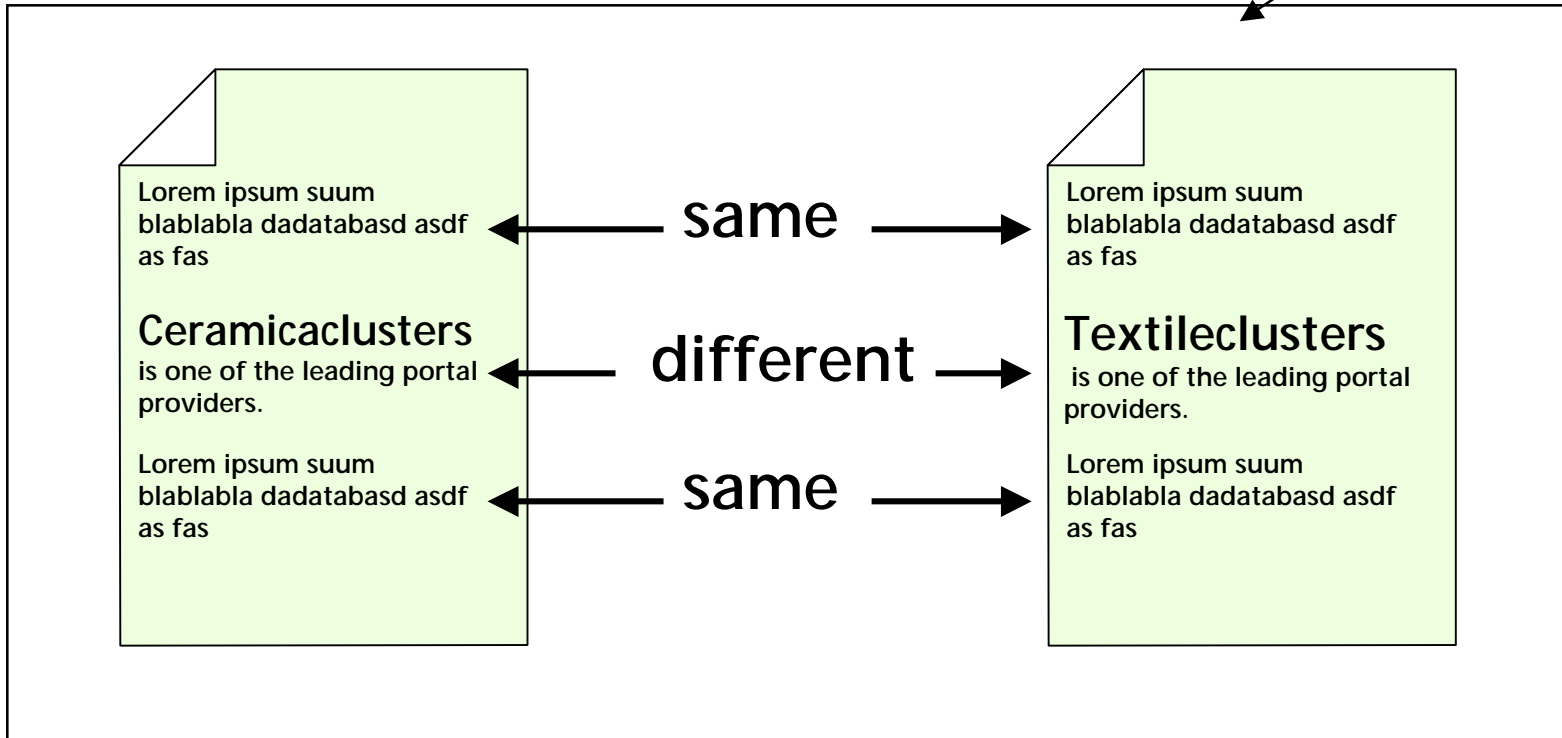
# Same Directories for Content Types

	Ceramica	Textile	Shoe
Static Pages	different	different	different
Marketplace	same	same	same
Community	same?	same?	same?
...			

# Static Page Solution

NPS

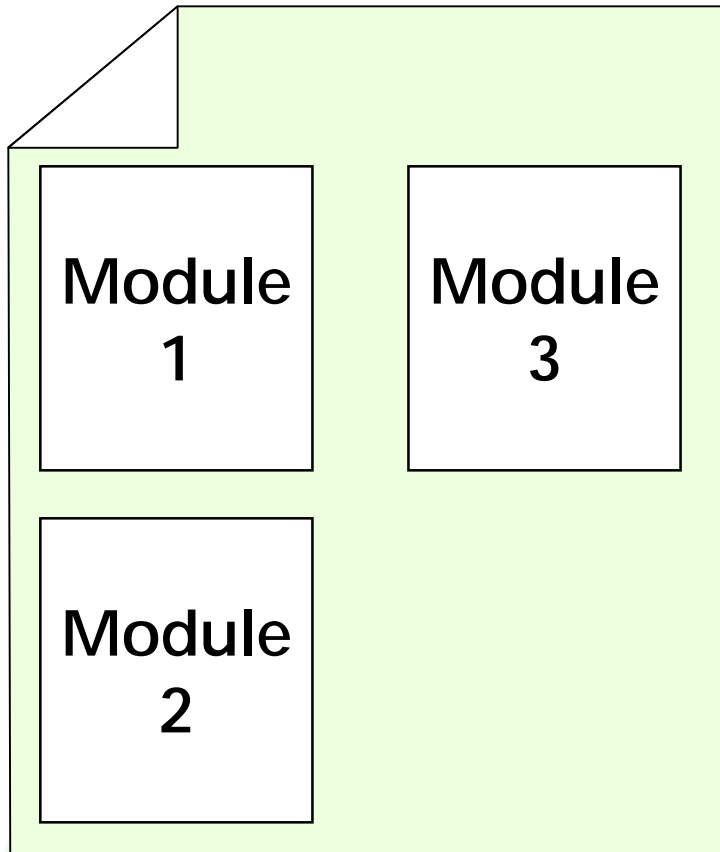
Separate directories for each portal . . .



. . . but common text blocks maintained in NPS



# Community Solution



Maintain client specific templates to select from existing modules