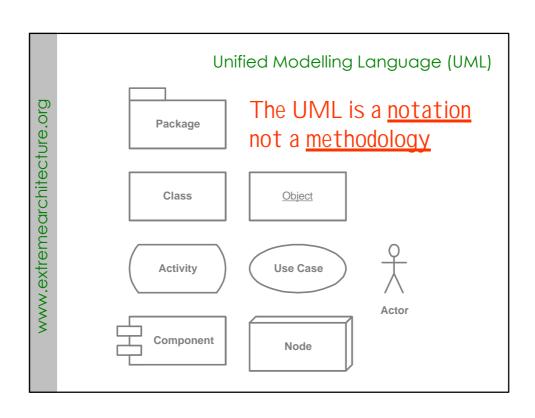
www.extremearchitecture.org

### Extreme Architecture Amplifying the UML

Phil Robinson Lonsdale Systems



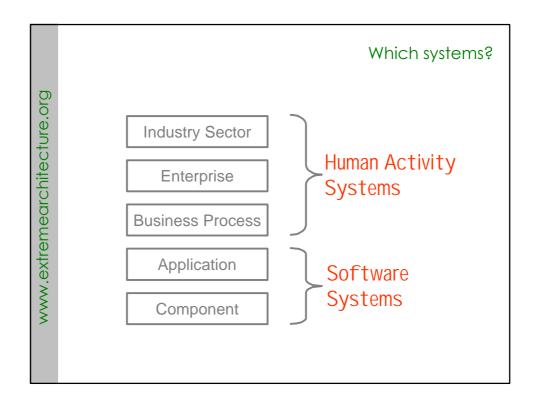
		History of the	UML
0	1995	Unified Method 0.8 (Booch & Rumbaugh)	
www.extremearchitecture.org	1996	Unified Modelling Language (UML) 0.9 (Jacobson joins and they become the <i>Three Amigos</i> )	
ecti	1997	(Jan) - UML 1.0	
chite		(Sep) - UML1.1 (adopted by OMG)	_
edra	1998	UML 1.2	
eme	1999	UML 1.3 (first formal version)	
extr	2001	UML 1.4	
Š	2002	UML 1.4.1	
<b>\$</b>	2003	(Mar) - UML 1.5	
		(Aug) - UML 2.0	
	????	ISO Standard (based on UML 1.4.1!)	

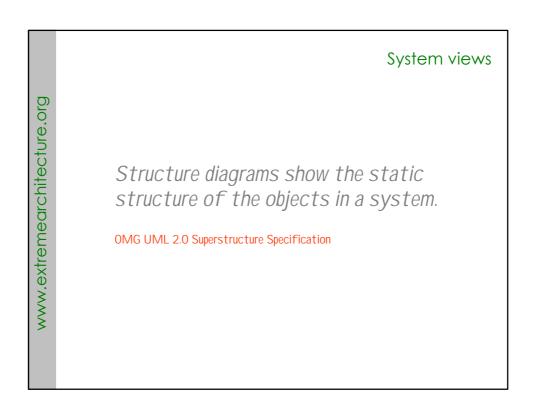
### What is the UML used for?

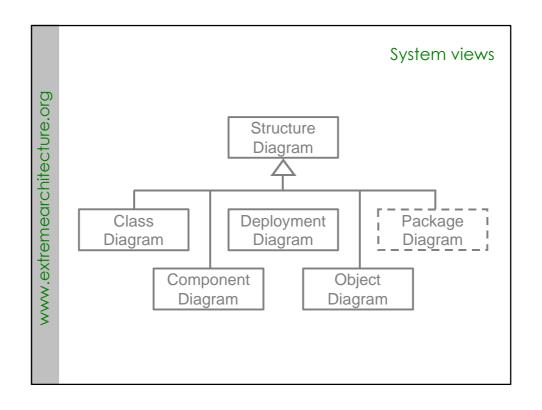
## www.extremearchitecture.org

The Unified Modeling Language is a visual language for specifying, constructing and documenting the artifacts of systems.

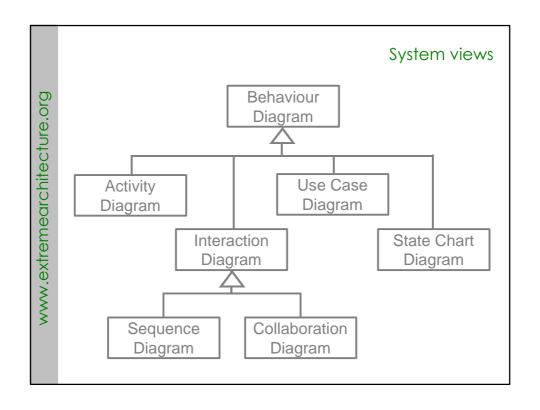
OMG UML 2.0 Superstructure Specification







# Behavior diagrams show the dynamic behavior of the objects in a system... OMG UML 2.0 Superstructure Specification



### System views

### www.extremearchitecture.org

- The taxonomy of UML diagrams is based on abstract system views
- This has two disadvantages
  - Diagrams tend to be drawn because they are "in the UML and therefore must be required"
  - There is an assumption that these are the only types of diagram that can be drawn

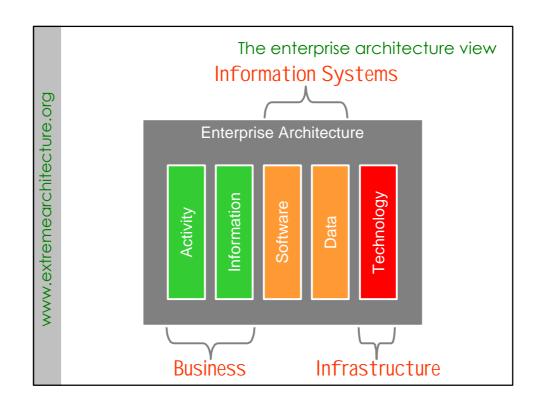
### System views

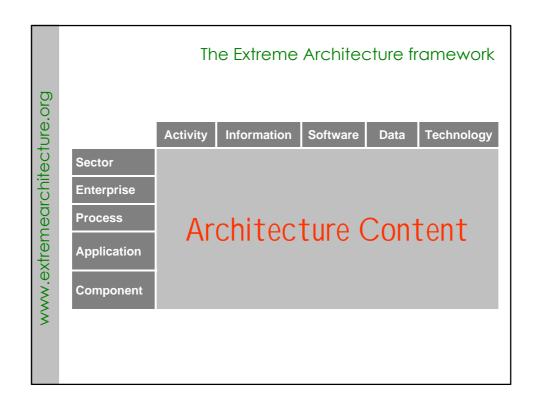
www.extremearchitecture.org

...this taxonomy provides a logical organization for the various major kinds of diagrams. However, it does not preclude the mixing different kinds of diagram types...

...the boundaries between the various kinds of diagram types are not strictly enforced...

OMG UML 2.0 Superstructure Specification





### Why extreme?

### www.extremearchitecture.org

- Pragmatic adopts a 'middle path' between the extremes of chaos and perfection
- Easy to describe single 6 x 6 matrix
- Minimal work products simple bullet point lists will do!
- Unifies disparate disciplines
  - Business modelling
  - Requirements analysis
  - Software construction
  - IT infrastructure management
- Encourages a shared understanding

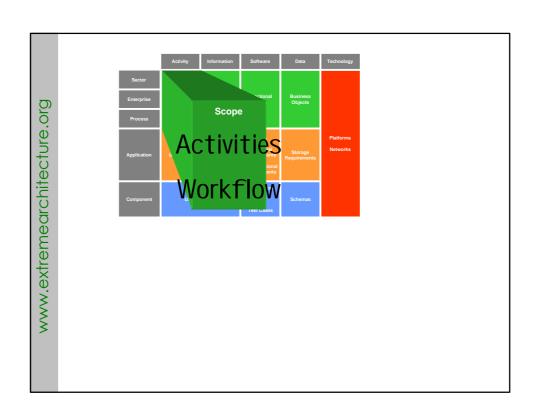
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www.extremearchitecture.org	Application					
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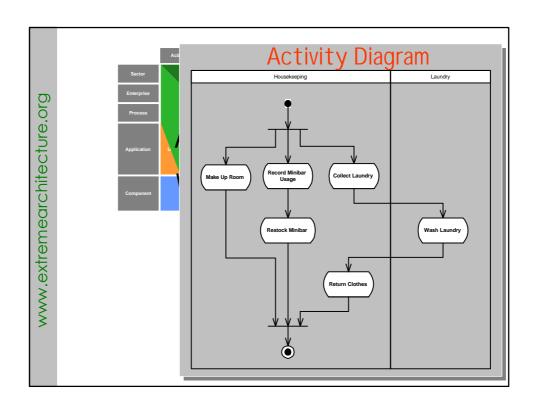
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www.extremearchitecture.org	Sector  Enterprise  Process	Scope Activities Workflow	Subject Areas Information Requirements	Functional Areas	Business Objects	
/ww.extreme	Application					
>	Component					

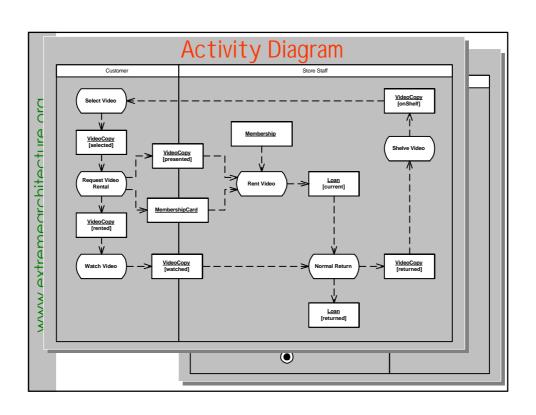
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www.extremearchitecture.org	Application	Use Cases	Interface Requirements	Vision Functional Requirements Non-Functional Requirements	Storage Requirements	
*	Component					

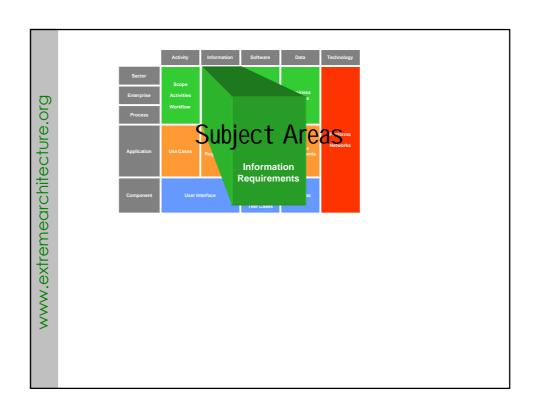
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www.extremearchitecture.org	Sector  Enterprise  Process	Scope Activities Workflow	Subject Areas Information Requirements	Functional Areas	Business Objects	
ww.extreme	Application	Use Cases	Interface Requirements	Vision Functional Requirements Non-Functional Requirements	Storage Requirements	
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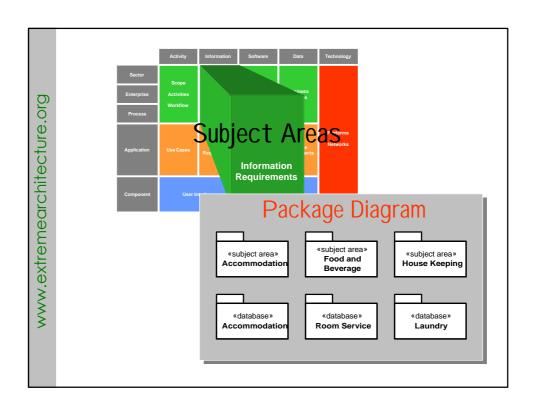
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www.extremearchitecture.org	Sector  Enterprise  Process	Scope Activities Workflow	Subject Areas Information Requirements	Functional Areas	Business Objects	
ww.extreme	Application	Use Cases	Interface Requirements	Vision Functional Requirements Non-Functional Requirements	Storage Requirements	Platforms Networks
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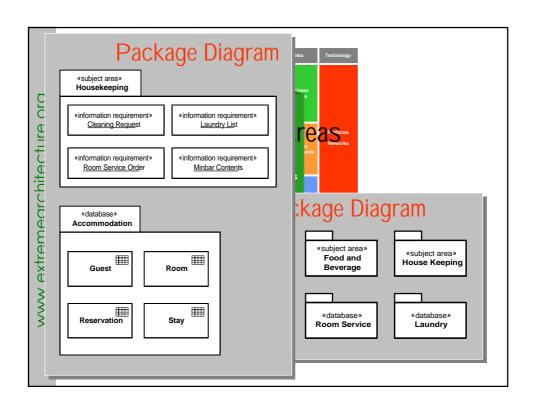


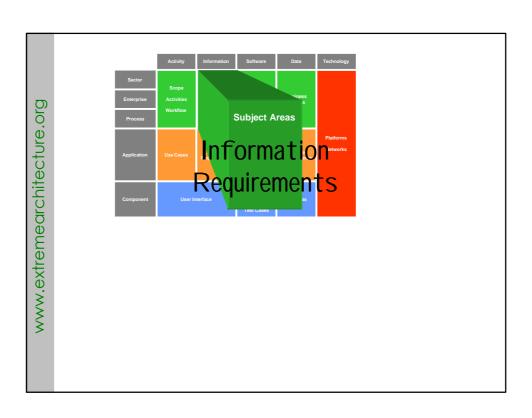


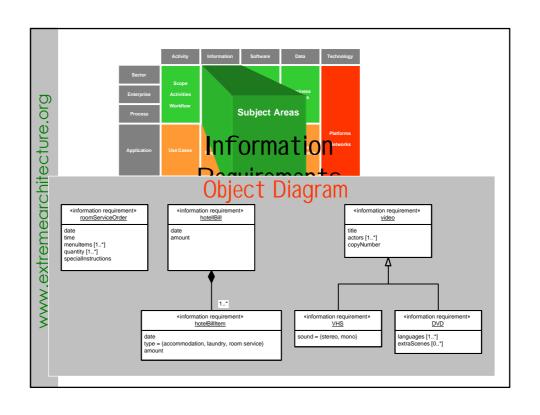


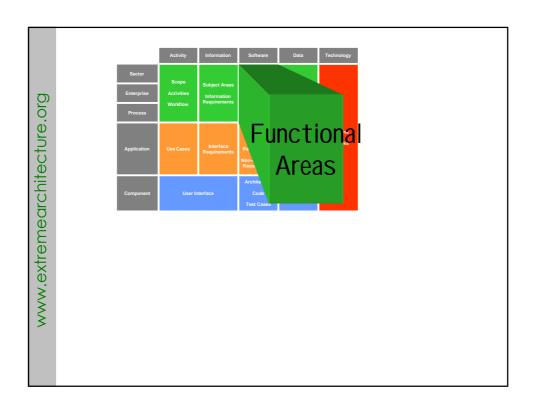


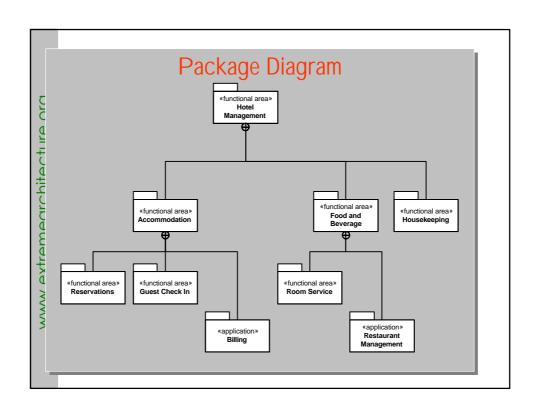


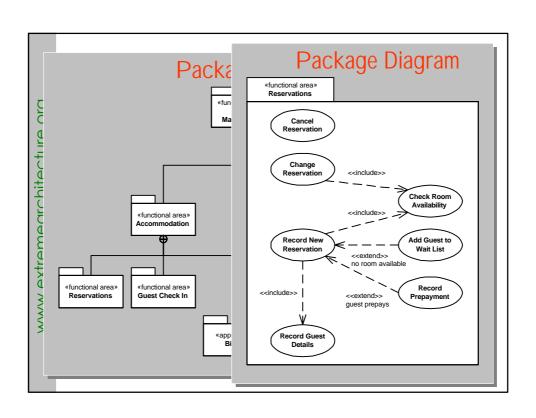


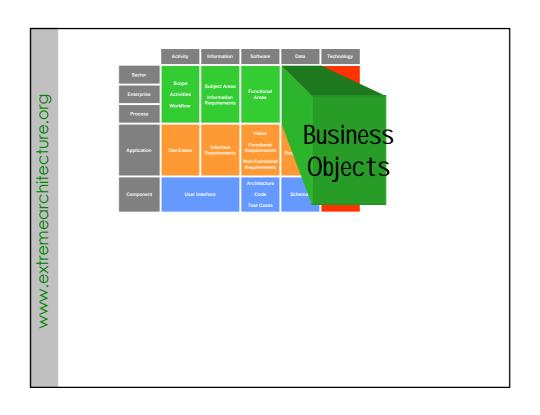


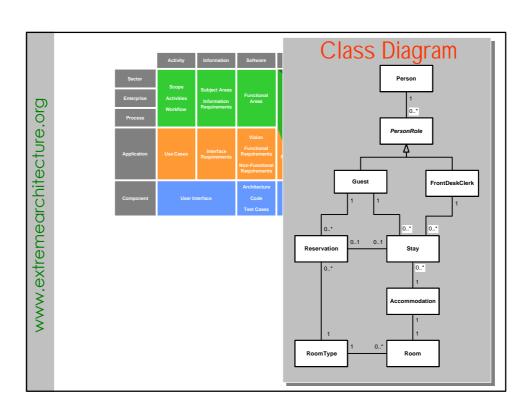


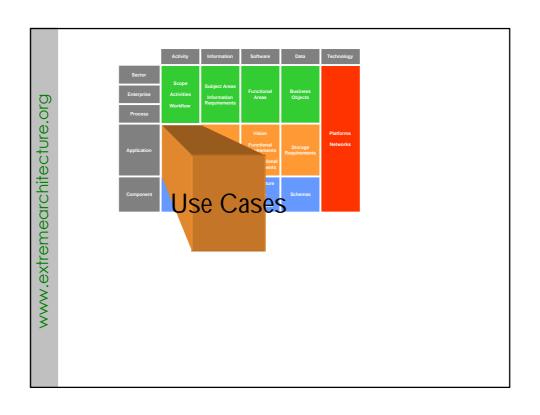


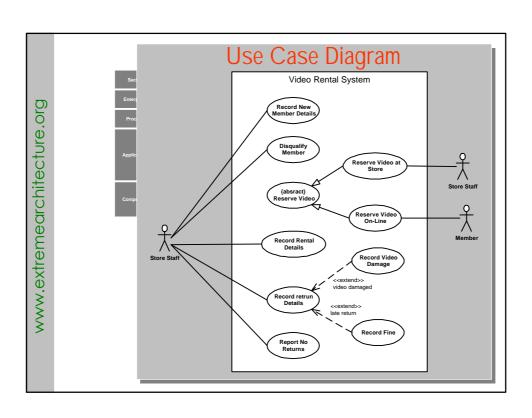


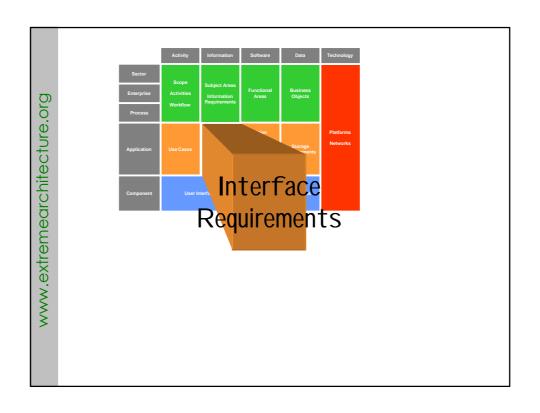


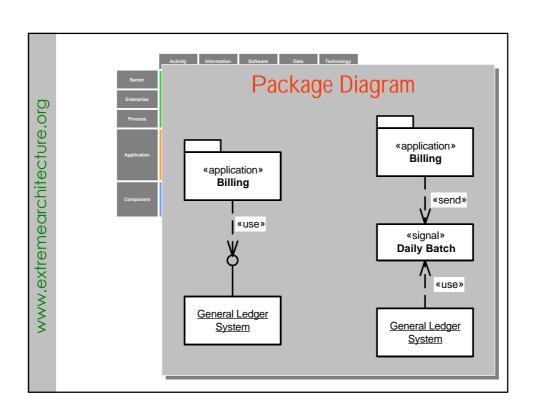


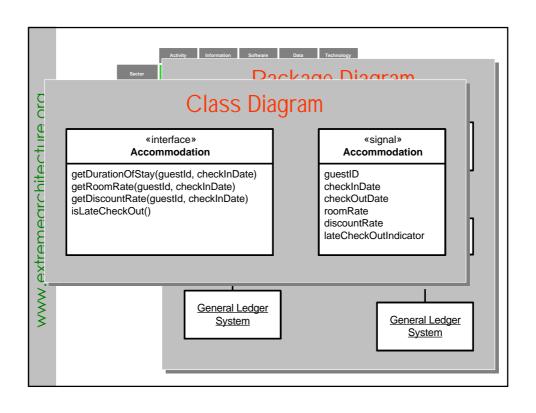


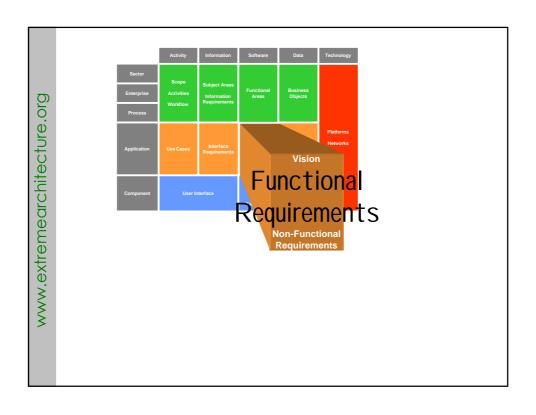


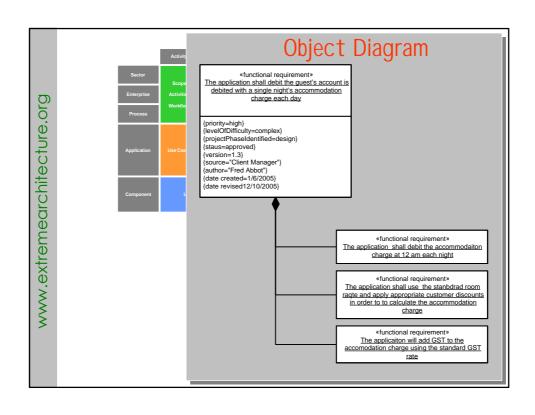


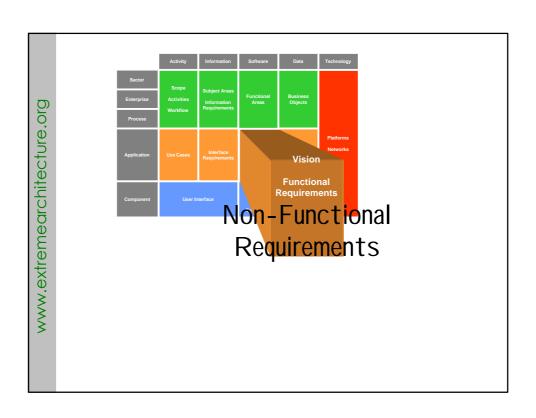


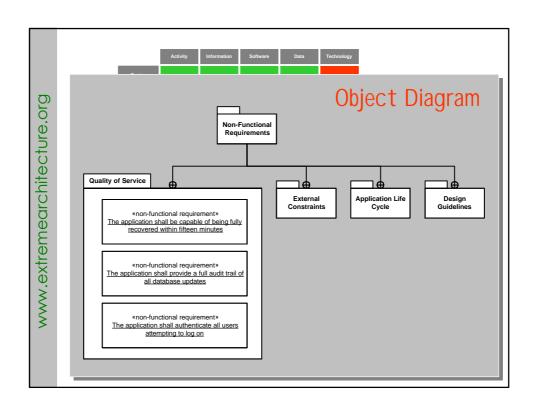


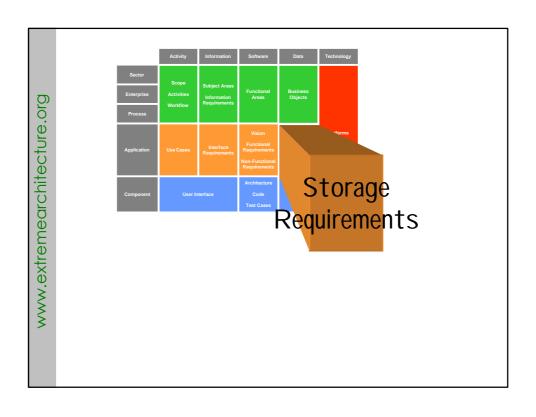


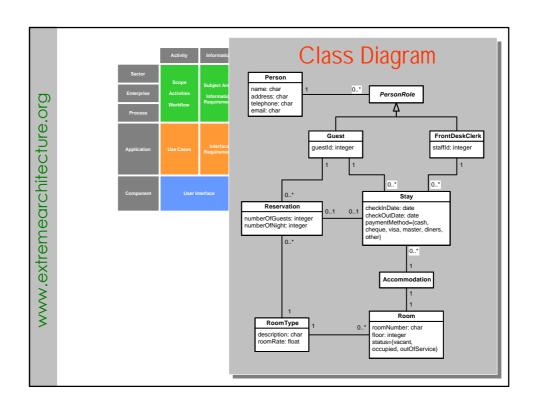


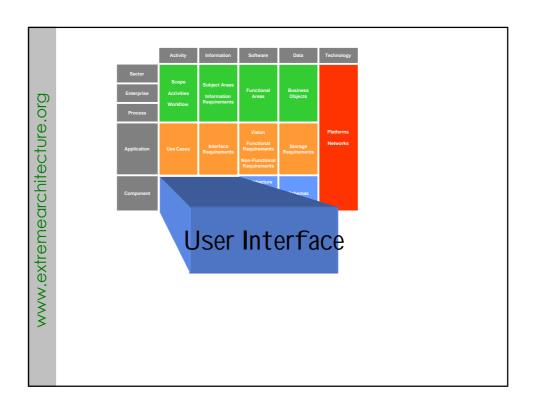


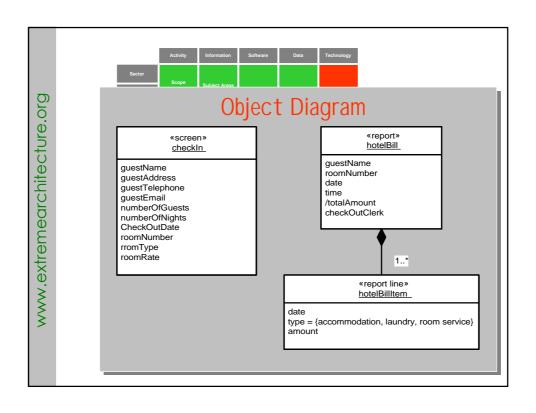


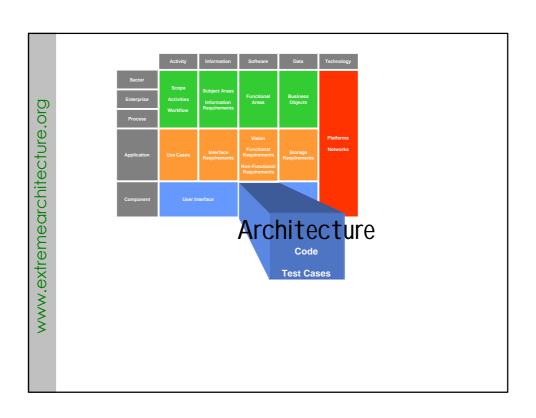


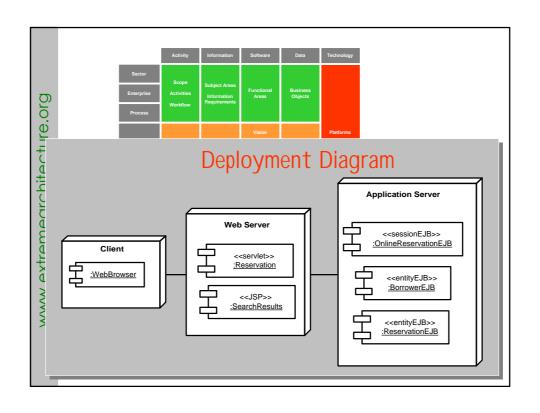


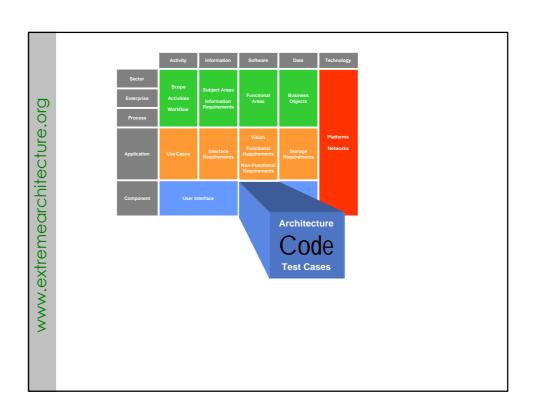


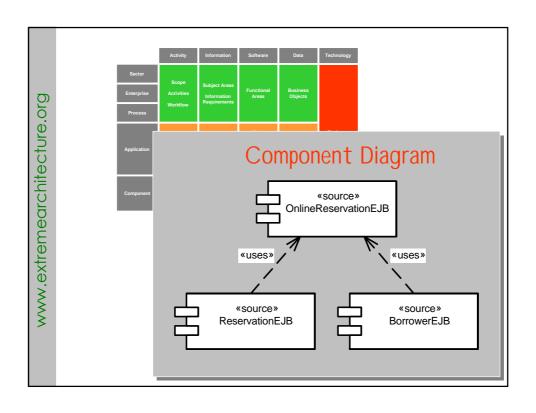


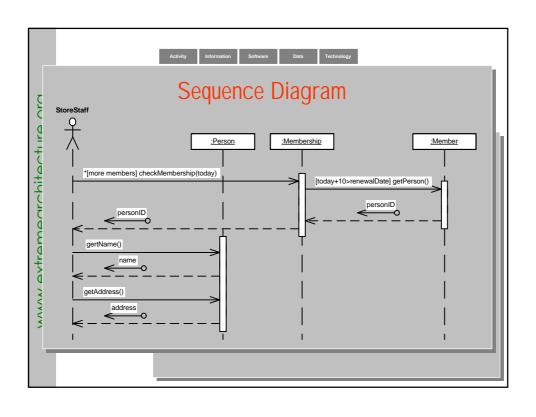


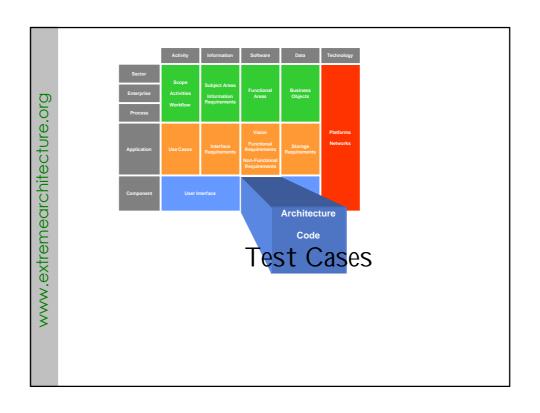


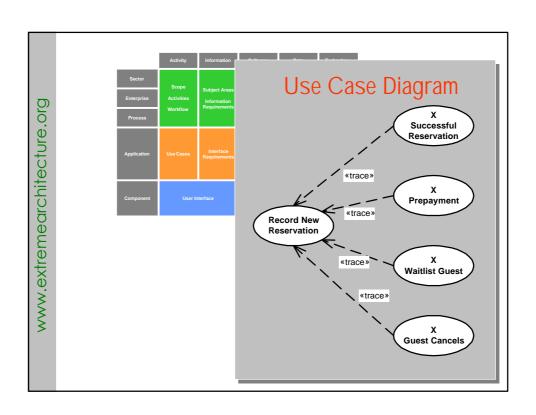


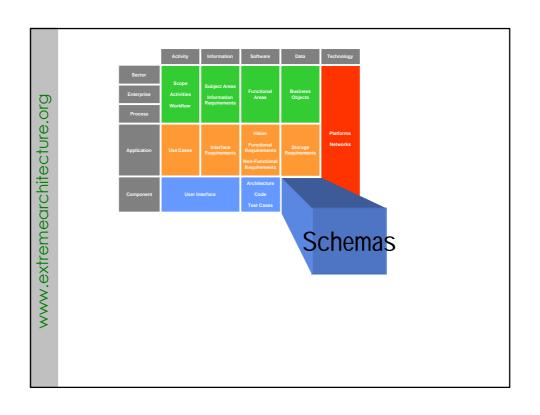


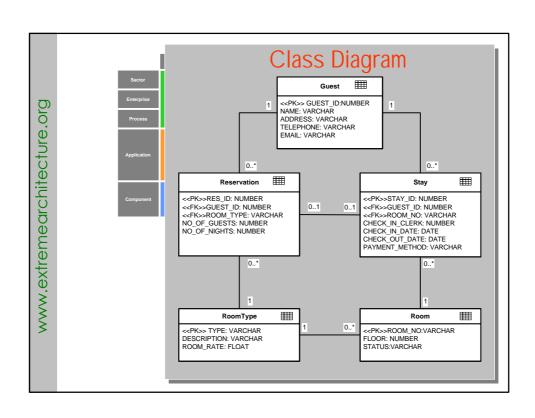


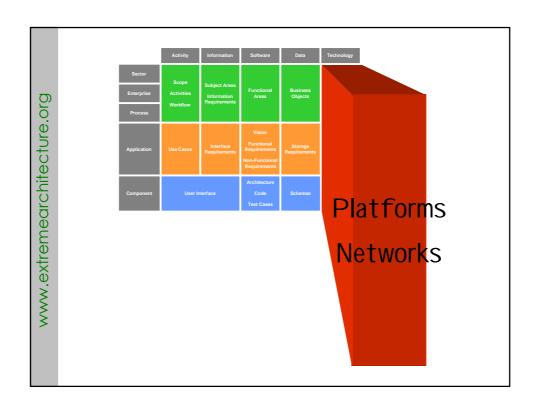


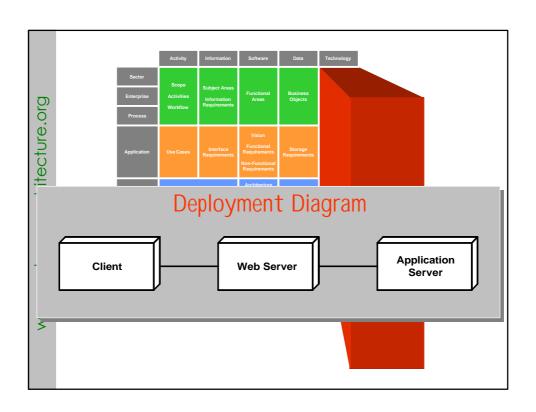












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## Questions Phil Robinson Lonsdale Systems