

## RUP – J2EE Design RUP Definitions

## RUP

Rational Unified Process "A SD Process Framework from which customized Processes can be Developed"

## The J2EE Developer Roadmap

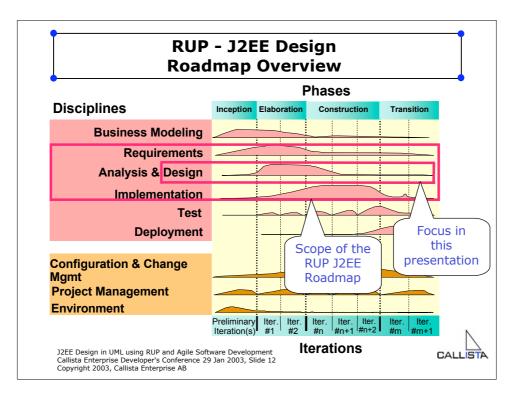
A Customized SD process that has been tailored to meet the needs of the "J2EE Developer". Developed by Eeles, Houston, Kozaczynski

CALLIS

## **J2EE Developer**

"...responsible for taking a Vision of a System through to an Implementation of the System using the J2EE platform" = J2EE Spec. Role "Application Component Provider" = RUP Roles: Architecture Reviewer, Database Designer, Designer, Design Reviewer, Implementer, Implementation Reviewer, Requirements Reviewer, Requirements Spcifier, Software Architect, System Analyst, User-Experience Designer, User-Experience Reviewer

J2EE Design in UML using RUP and Agile Software Development Callista Enterprise Developer's Conference 29 Jan 2003, Slide 11 Copyright 2003, Callista Enterprise AB



12	RUP – J2EE Design J2EE Developer Roadmap				
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Disciplines	Workflow details	Activities			
Requirements	Define the System	Capture a common vocabulary			
		Find Actors and Use-Cases			
		Prioritize Use-Cases			
	Refine the System Definition	Detail a Use-Case			
		Structure the Use-Case Model	_		
Analysis	Define an Initial Architecture	Architectural Analysis			
	Analyze Behavior	Model the User Experience			
		Use-Case Analysis			
Design	Refine the Architecture	Identify Design Mechanisms			
		Identify Design Elements			
		Incorporate existing Design Elements			
		Describe Concurrency and Distribution			
	Detail the Design	Use-Case Design			
		Subsystem Design			
		Component Design			
		Class Design			
		Database Design			
Implementation	Structure the Implementation Model	Structure the Implementation Model			
	Implement Design Elements	Implement Design Elements			
		Perform Unit Tests			

Design		sActivities	J2EE Specific Content
	Refine the Architecture	Identify Design Mechanisms	Identify what J2EE patterns are going to be used
			Identify what J2EE technologies are going to be used
		Identify Design Elements	Identify JSP's, Servlets, EJB's and other J2EE elements
		Incorporate existing Design Elements	None
		Describe Concurrency and Distribution	Describe the use of Java threads and message-driven EJB's
		Map J2EE modules to nodes	
	Detail the Design	Use-Case Design	Describe the intercations between collaborating J2EE elements
		Subsystem Design	Describe subsystems in terms of their internal J2EE elements
	-	Component Design	Produce a detailed design of EJB's
		Class Design	Produce a detailed design of JSP's, Servlets and other Java classes
		Database Design	Define the mapping between entity EJB's and the underlying database

