











3





















































NFP subprofile			
Three mechanisms to annotate UML models:			
Values of stereotype properties			
(hwProcessor) www.wwProcessor MyProcessor MyProcessor			
Slot values of classifier instances MyProcessor MyProcessor	1		
speedFactor: Integer [01]			
Constraints			
MyProcessor www.antpConstraints speedFactor = 1			
	33		





	Task	
SwSchedulableResource		
 Semantics SchedulableResources are resources, which execute concurrently to other concurrent resources. The competition for execution among the set of schedulable resources is supervised by a scheduler. In fact, a scheduler interleaves their execution based on a scheduling algorithm. Common SchedulableResources are POSIX Thread, ARINC-653 Process, and OSEK/VDX Task. By default, schedulableResources share the same address space but preserve their own contexts (program counter, registers, signal mask, stack, etc.). Applying SwResource stereotypes on classifier All stereotypes of the SRM sub-profile extend the UML::Classes::Kernel::Classifier metaclass. Thus, any UML Classifier sub-metaclass may be extended by those stereotypes (e.g., Class, Interface, Component, and AssociationClass). Figure 14.40 and Figure 14.41 illustrate UML Class and UML Component extension. 		
jetcos de l'asc.jetc()	svSdhedulsblaRescures > Task readine : Integer	
(i) Class (ii) C	Class and Interface	
	36	























