Executing an interaction model

This section illustrates the steps to simulate the interaction model mentioned in section Creating a Model for Activity Simulation.

To simulate the interaction model in section Creating a model for Activity simulation

1. Right-click the package **Model** in the containment browser and select **Create Element** > **Package**. Name the package, for example, InstancePackage. The following figure shows the Containment tree containing the objects within its hierarchy.



2. Right-click the **InstancePackage** and select **Create Element > Instance Specification**. Name the instance specification, for example, Sys. The following figure shows the creation of an InstancePackage element from its shortcut menu..



3. Right-click the instance specification Sys and select Specification to open the specification dialog.

^{4.} Click the who browse button in the Classifier row to open the Select Elements dialog (see the first figure below) and select class System as the classifier of the instance specification Sys (see the second figure below).

Specification of Instance Specification Sys							
Specification of Instance Specification properties Specify properties of the selected Instance Specification in the properties specification table. Choose the Expert or All options from the Properties drop-down list to see more properties.							
🗉 🖻 🔁 💋	Sys						
Sys Documentation/Hyperlinks Usage in Diagrams Deployed Artifacts		Properties: Expert					
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B Relations B Relations B Constraints B Traceability	Applied Stereotype						
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	Q Type here to filter properties						
Close Back Eorward Help							

The following figure shows the elements that can be selected in the Select Elements dialog.

Select Elements	×
Select, search for, or create elements Search for an element by using list or tree views. To find an element type text or wildcard (*,?) into the "Search by Name" input field. Search elements by their qualified names or use camel case when searching if the appropriate mode is enabled.	
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5. Repeat steps 2 and 3 above to create the other instance specifications named **aa1** and **bb1** of the classifiers **A** and **B** respectively. The following figure shows the Containment tree depicting objects within its hierarchy.



6. Right-click the instance specification Sys and select Simulation > Run (see the first figure below). The Simulation window will appear.

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⊡…≧ Model ⊡…⊟ InstancePackage					
🖃 system.a1: A		Create Element	•		
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🔲 A		Go To	•		
B B		Open in New Tree			
Instance of the Sys		Related Elements	•		
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	Ê	Paste	Ctrl+V		
	¥	Cut	Ctrl+X		
	亩	Delete	Delete		
		Find			
		Generate Report	•		
		Simulation			Run (Ctrl+Alt+X)
				•_+	Add Breakpoint(s)
				•_	Remove Breakpoint(s)

7. Click the Start button in the Simulation window.



The Simulation **Console** shows the results of a simulation and the constraints which have passed or failed.

