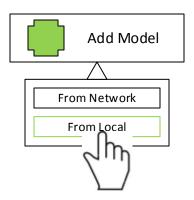




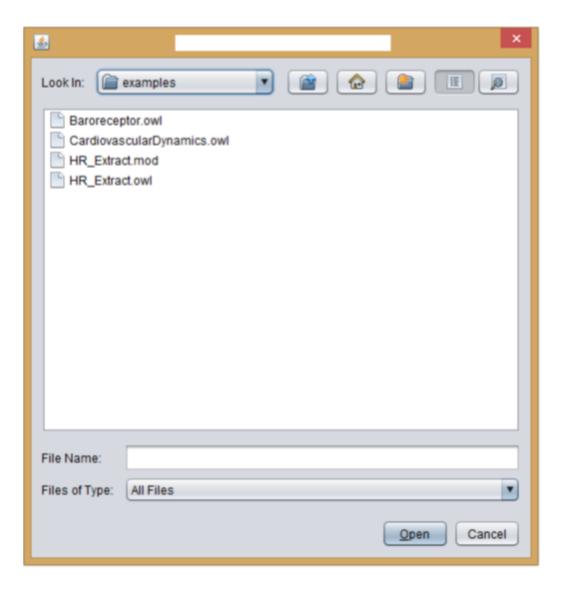
When the composer is empty the "Add Model" flyout is openned



Users can choose a model from their local machine or the network



Users select a model from the file picker

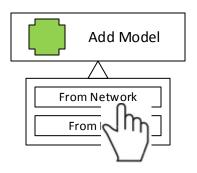




## Model D



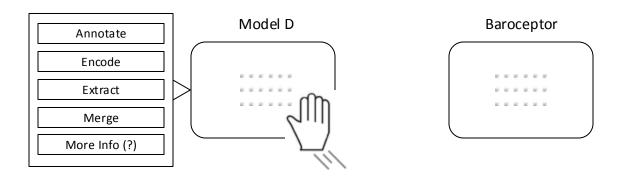
Models are added to the workflow canvas



## Model D

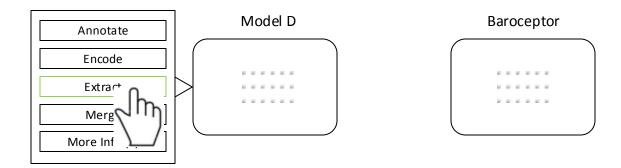






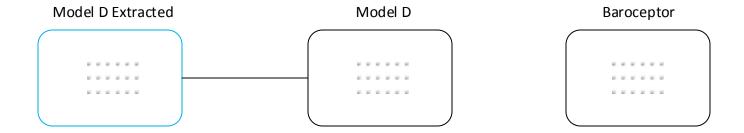
Hovering over a model opens the command flyout





Clicking a command opens its corresponding tool





Extracted models are highlighted in blue







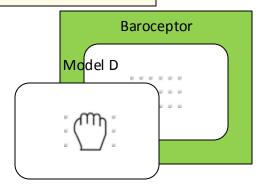
## Baroceptor



Models are draggable

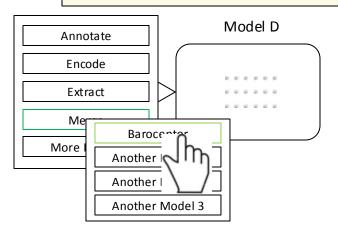


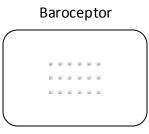
Models are merged when one is released on top of another

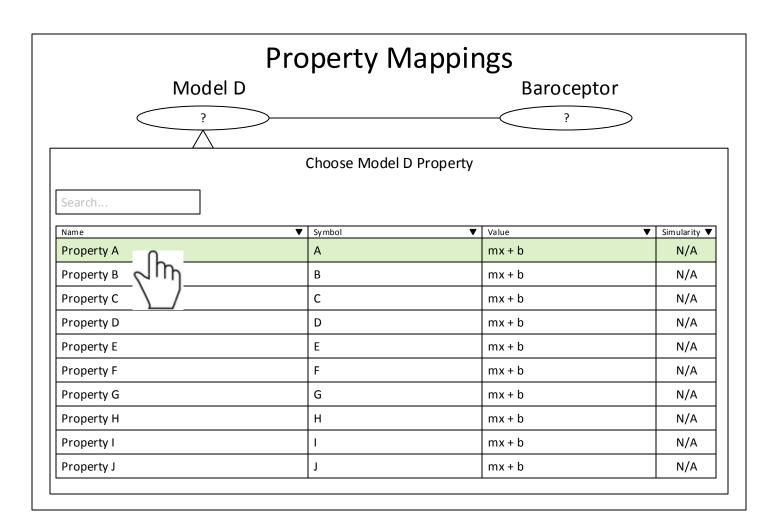




You can also merge models by selecting the Merge command then selecting a model to merge with





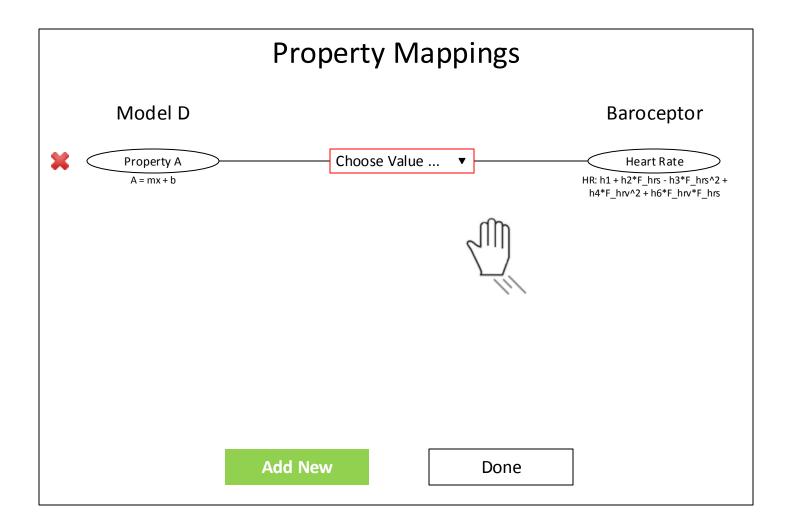


Choose a property in Model D to map to a property in Baroceptor

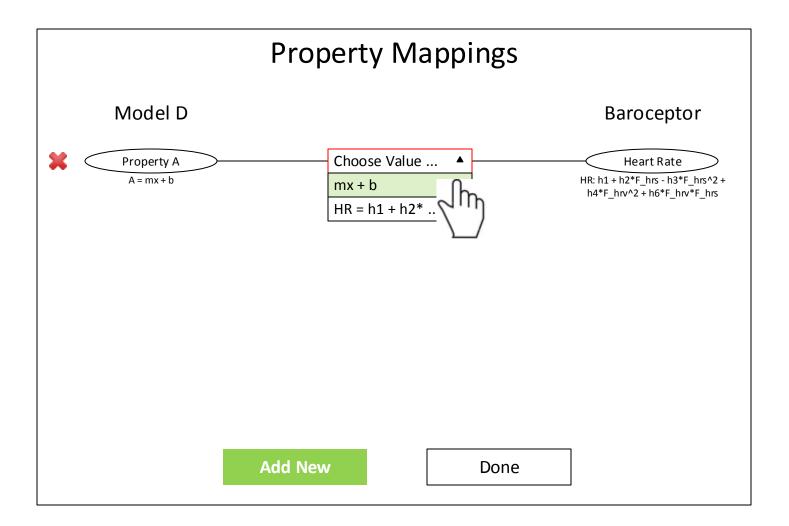
## **Property Mappings** Model D Baroceptor Property A ? Choose Model D Property Search... **▼** Value Name ▼ Symbol ▼ Simularity ▼ Aortic blood pressure Paop User defined input 90% Baroceptor firing rate 83% Nbr $t = Nbr_t$ Baroceptor gain Κ 47% -2 Contractility control offset amin 76% **Heart Rate** HR h1 + h2\*F\_hrs - h3\*F\_hrs^2 ... 100% Simulation end ting 20% t.max 0 Simulation start ti t.min 5% Sympathetic discharge rate at CNS for ... If( t > L\_con ) ( N\_con\* ( -1 ) ... 0% N\_con Time domain for simulation 10% t User defined input Volume of systemic arteries Vsa 225 0%

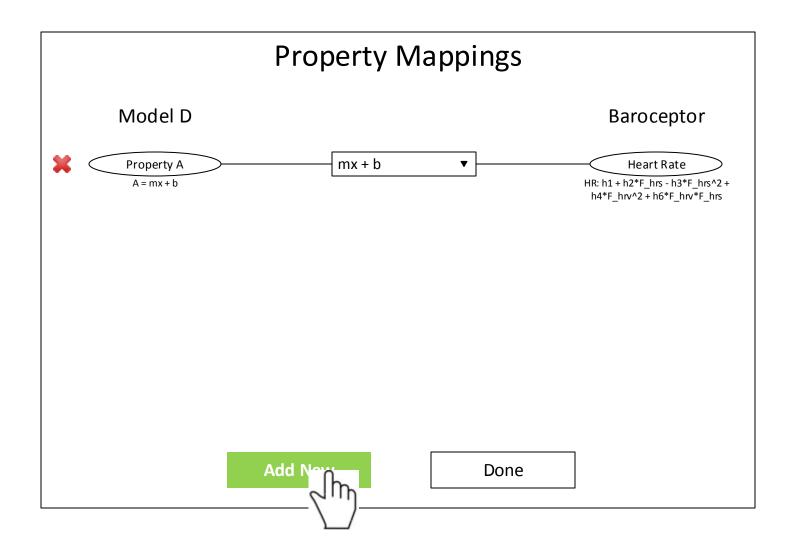
Choose a property in Baroceptor to map to "Property A" in Model D.

Heart Rate seems like the right choice.

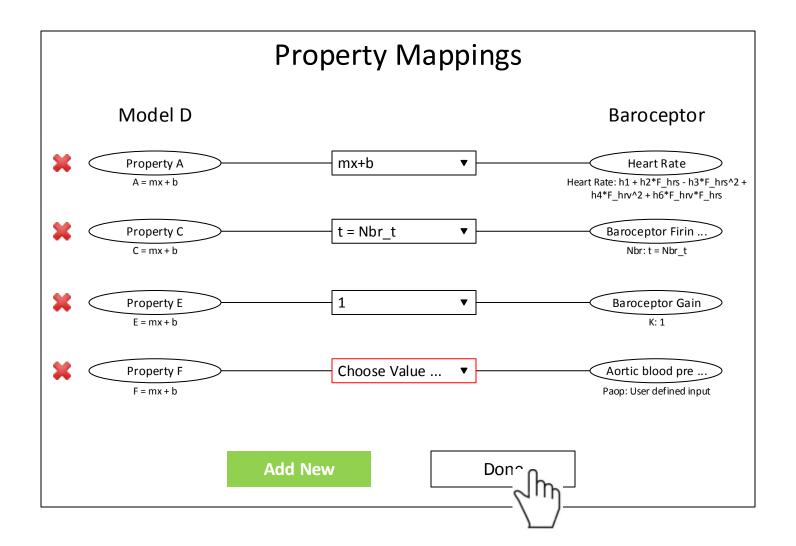


Choose a property value to use in the merged model

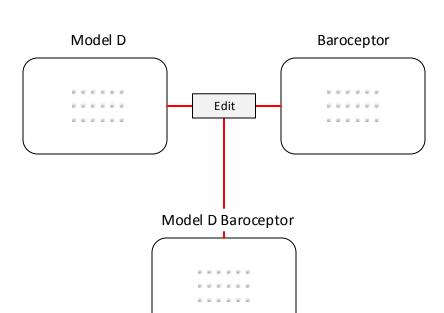




Add a new property mapping



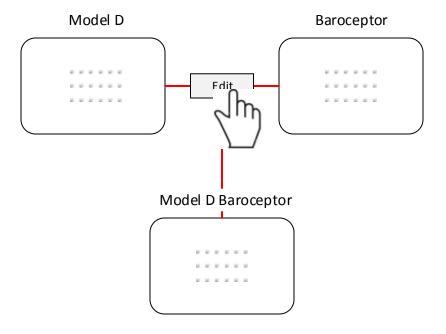
Select Done to return to workflow



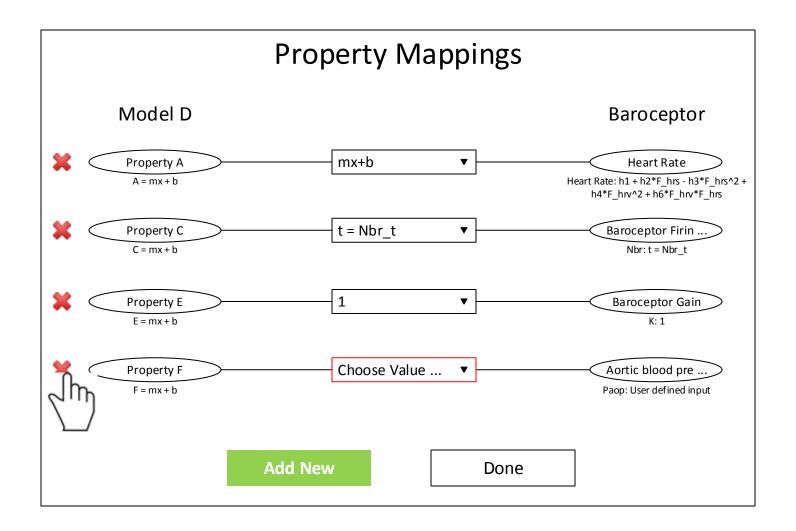
"Model D Baroceptor" results from merging "Model D" and "Baroceptor"

The red merge lines indicate there's an unresolved property mapping issue.

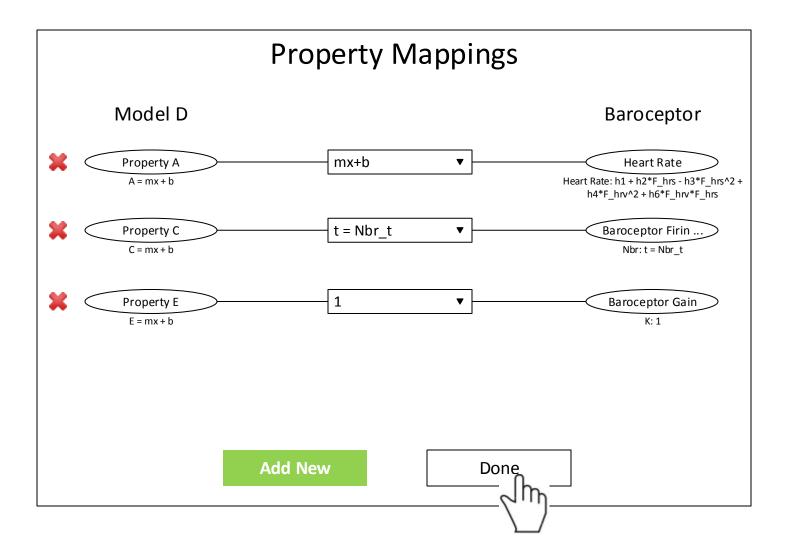




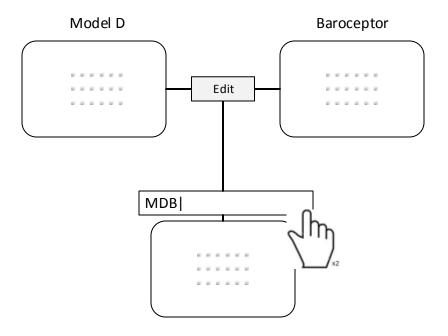
Click Edit to edit property mappings



Remove the unresolved property mapping

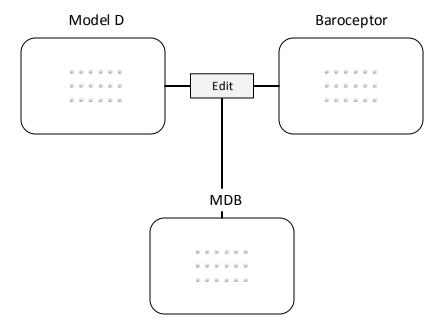






Rename a model by double clicking it's name.





Viola, a merged model with valid property mappings.