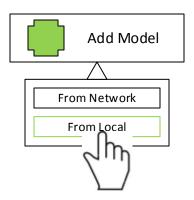
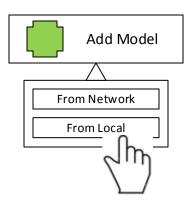




When the composer is empty the "Add Model" flyout is openned



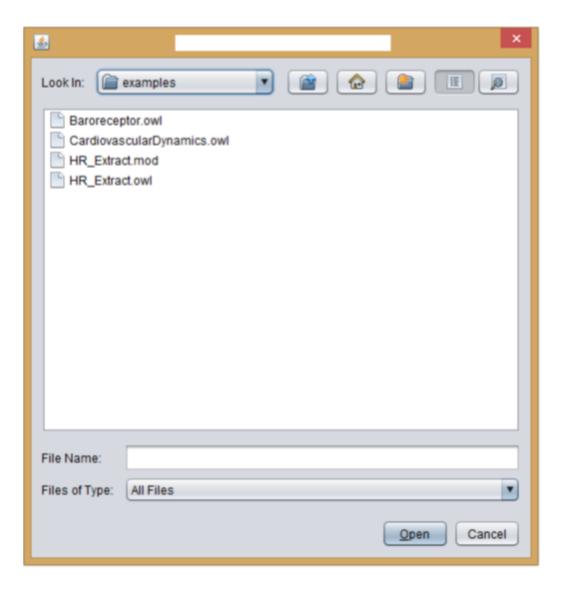
Users can choose a model from their local machine or the network



Clicking the Add Model button opens the source model location drop down.



Users selects a model from the file picker





## Model D



Models are added to the workflow canvas





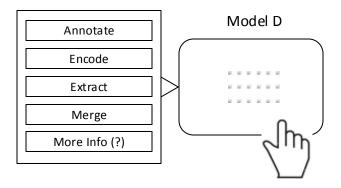


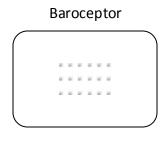
## Baroceptor



Canvas automatically reflows when models are added and deleted.

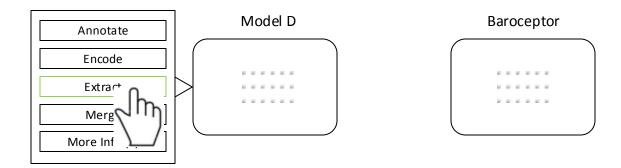






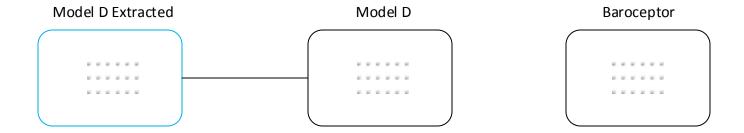
Clicking on a model opens it's command flyout





Clicking a command opens its corresponding tool





Extracted models are highlighted in blue







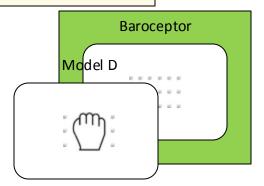
## Baroceptor

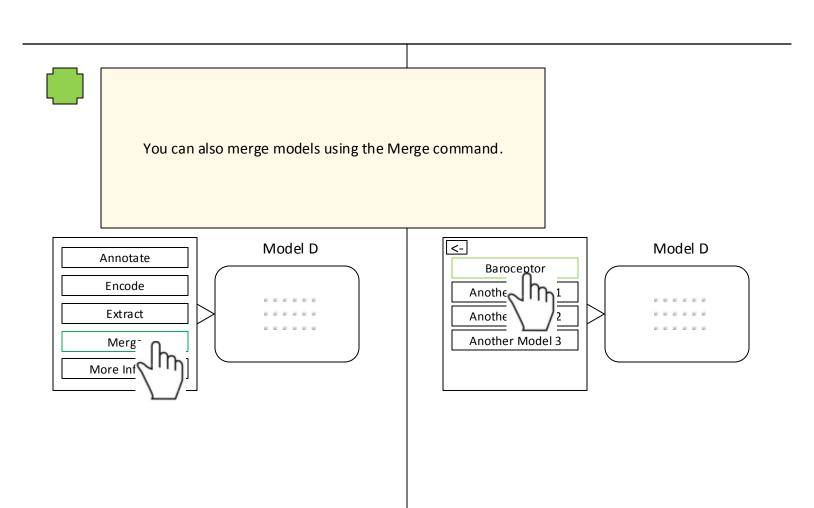


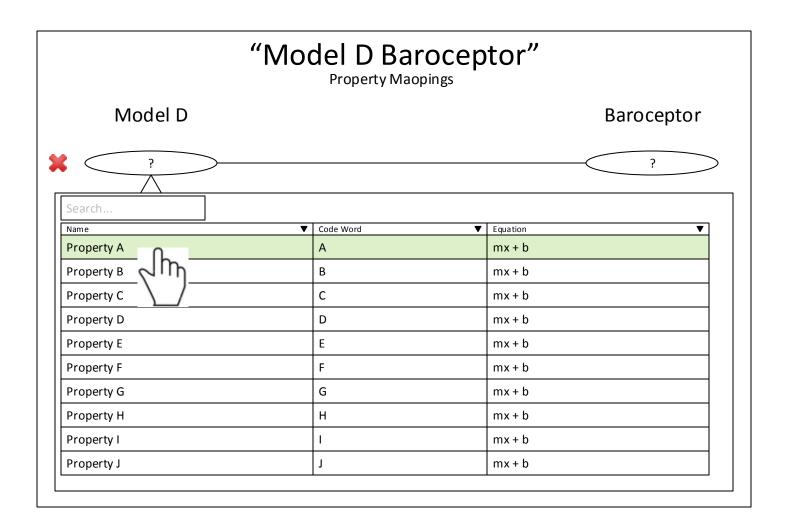
Models are draggable



Models are merged when one is released on top of another





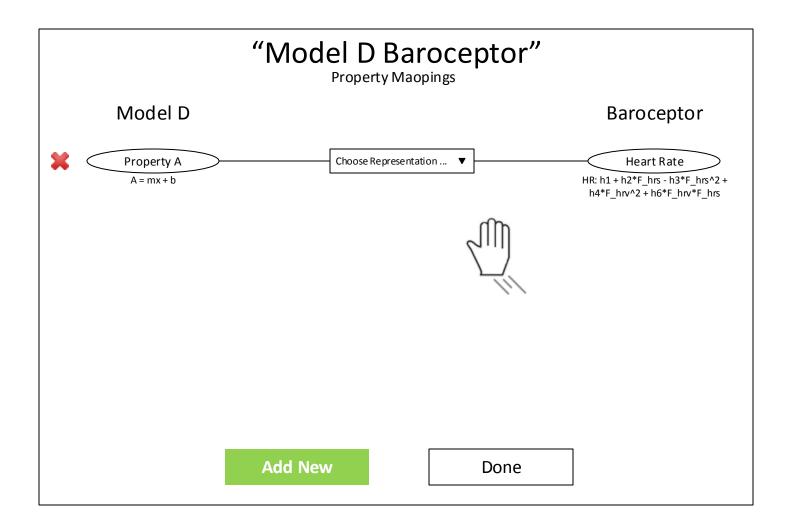


Choose a property in Model D to map to a property in Baroceptor

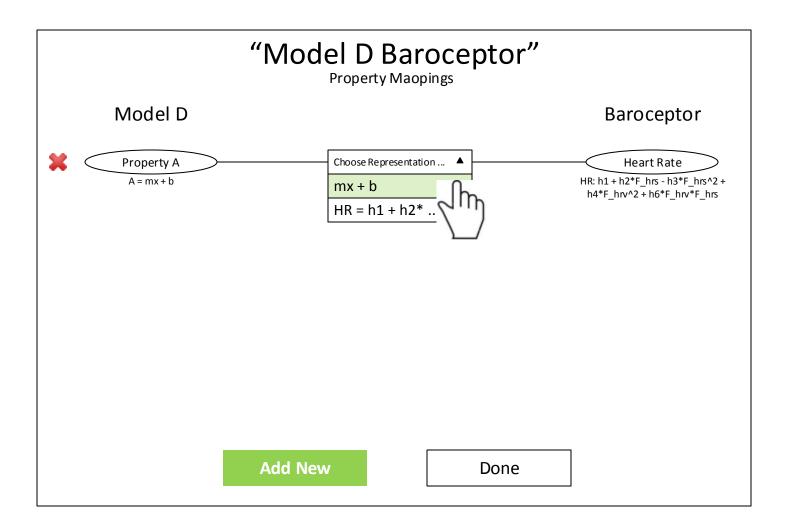
## "Model D Baroceptor" **Property Maopings** Model D Baroceptor Property A Search... ▼ Code Word Name Equation Aortic blood pressure Paop User defined input Baroceptor firing rate Nbr $t = Nbr_t$ Baroceptor gain Κ Contractility control offset amin **Heart Rate** HR h1 + h2\*F\_hrs - h3\*F\_hrs^2 ... Simulation end ting t.max 0 Simulation start ti t.min Sympathetic discharge rate at CNS for ... If( t > L\_con ) ( N\_con\* ( -1 ) ... N\_con Time domain for simulation t User defined input 225 Volume of systemic arteries Vsa

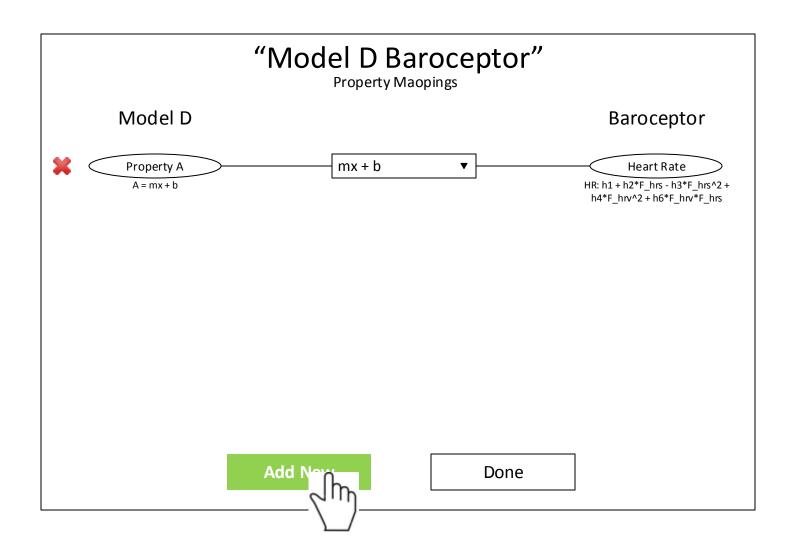
Choose a property in Baroceptor to map to "Property A" in Model D.

Heart Rate seems like the right choice.

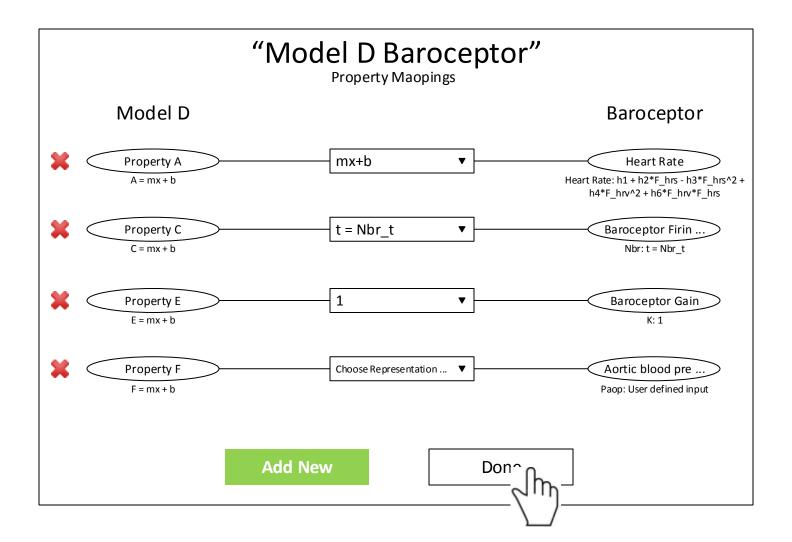


Choose a property value to use in the merged model



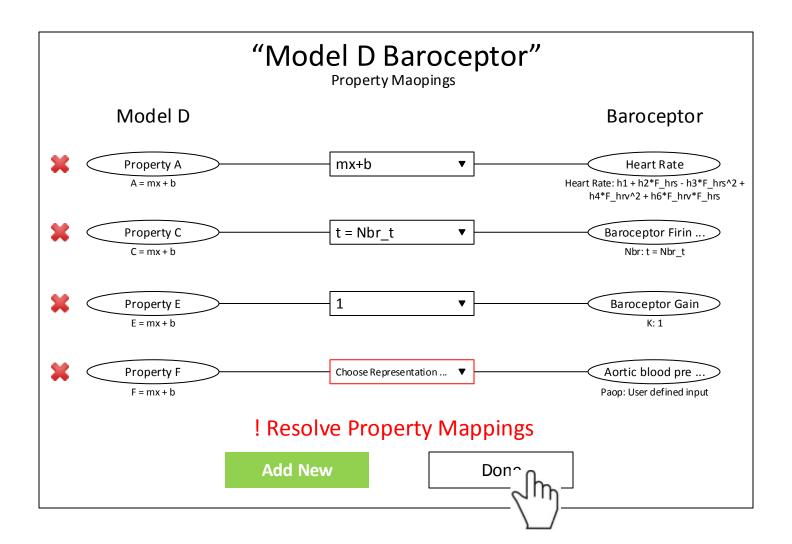


Add a new property mapping

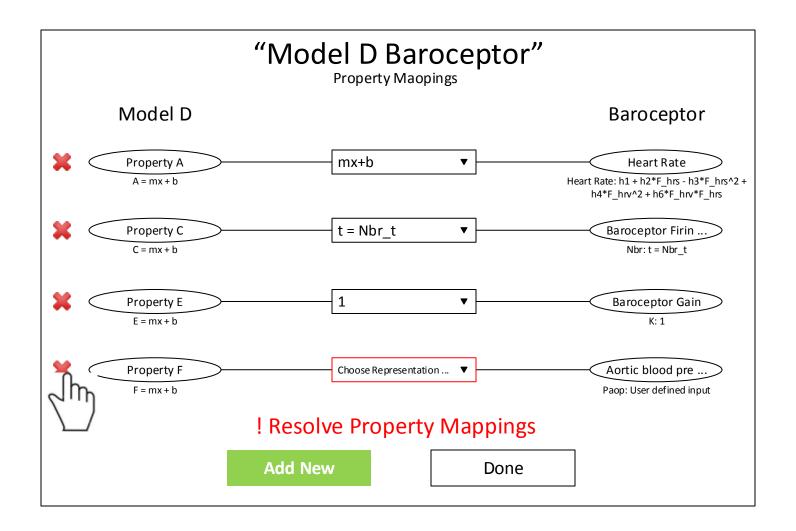


Select Done to return to workflow

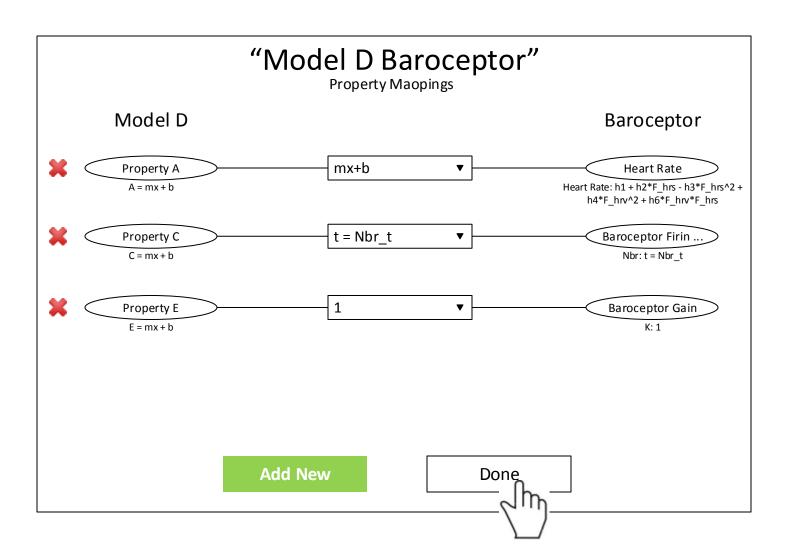
(Note that there exists a property mapping without a value)



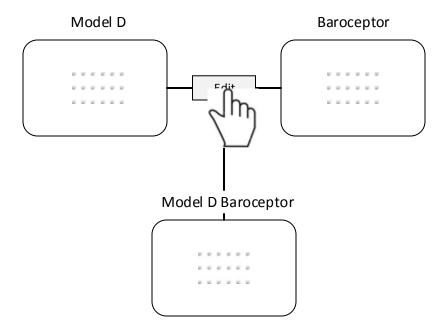
If unresolved property mappings exist show validation errors



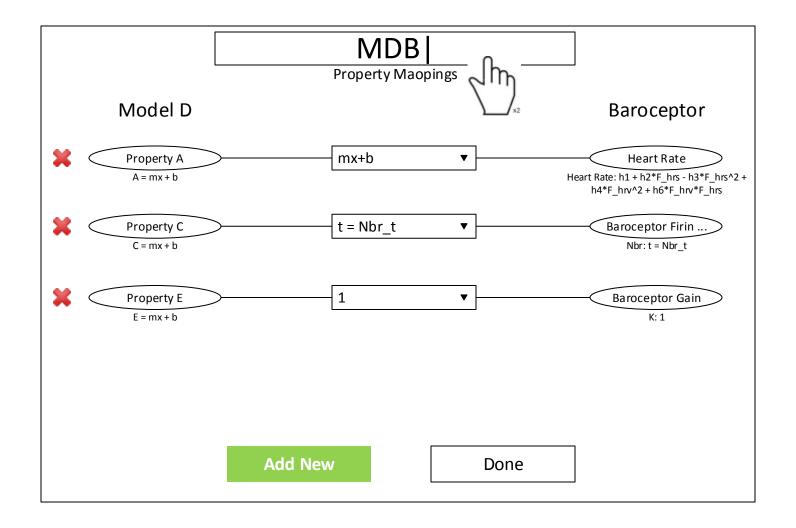
Remove the unresolved property mapping





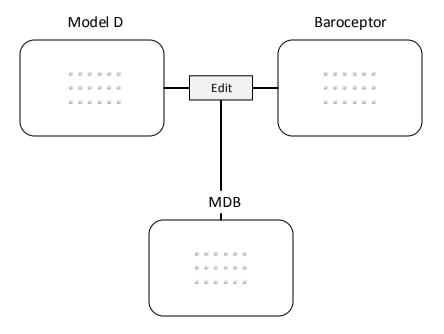


Click edit to update the merged model



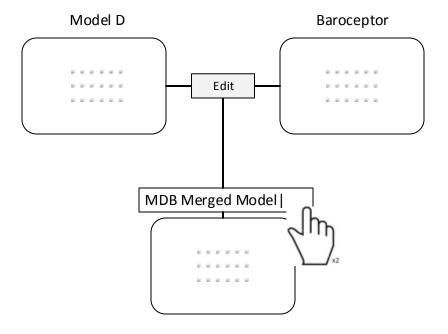
Double click the model's name to change it





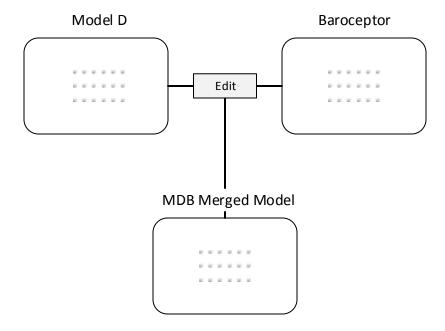
A valid merged model with an updated name





Rename a model by double clicking it's name.





Viola, a merged model with valid property mappings and an update name.