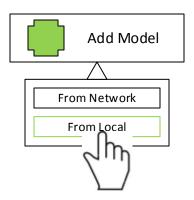




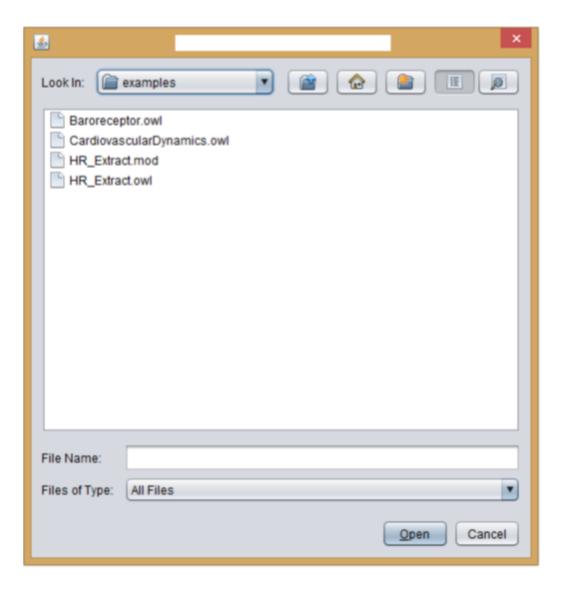
When the composer is empty the "Add Model" flyout is openned



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



Users select a model from the file picker

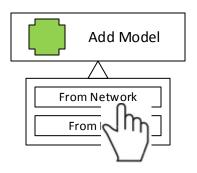




Model D



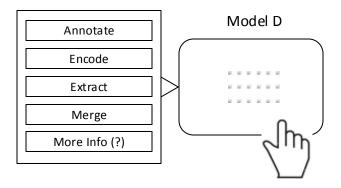
Models are added to the workflow canvas

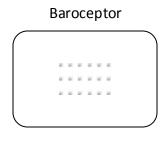


Model D



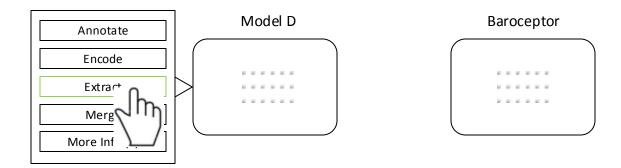






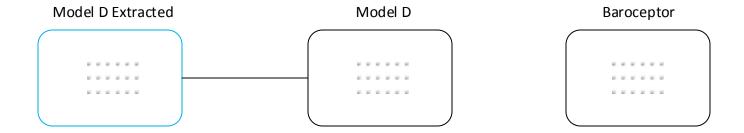
Clicking on a model opens it's command flyout





Clicking a command opens its corresponding tool





Extracted models are highlighted in blue







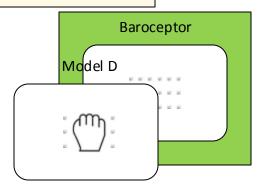
Baroceptor

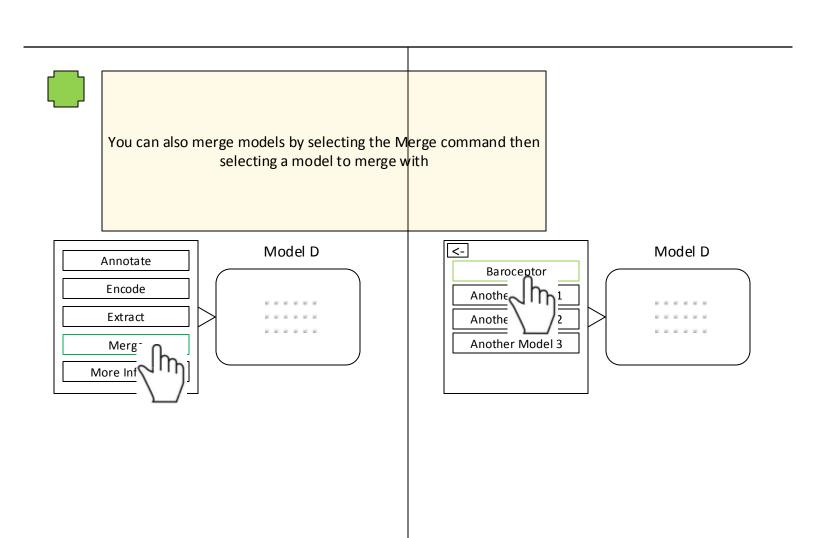


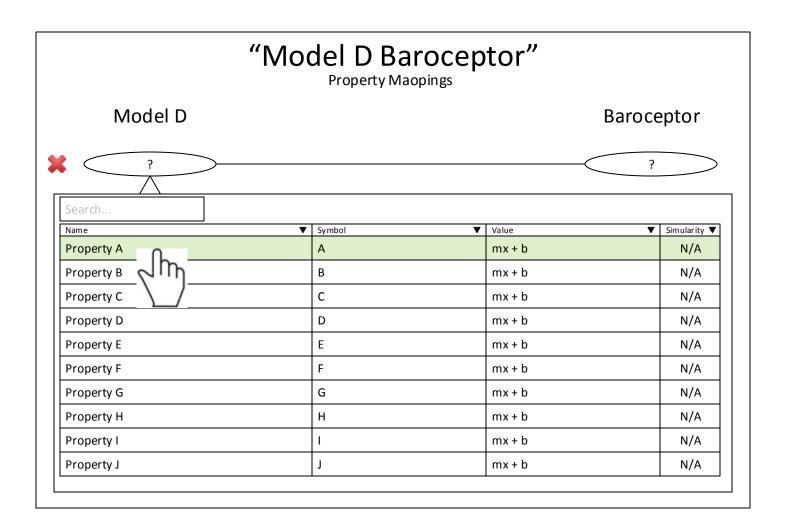
Models are draggable



Models are merged when one is released on top of another





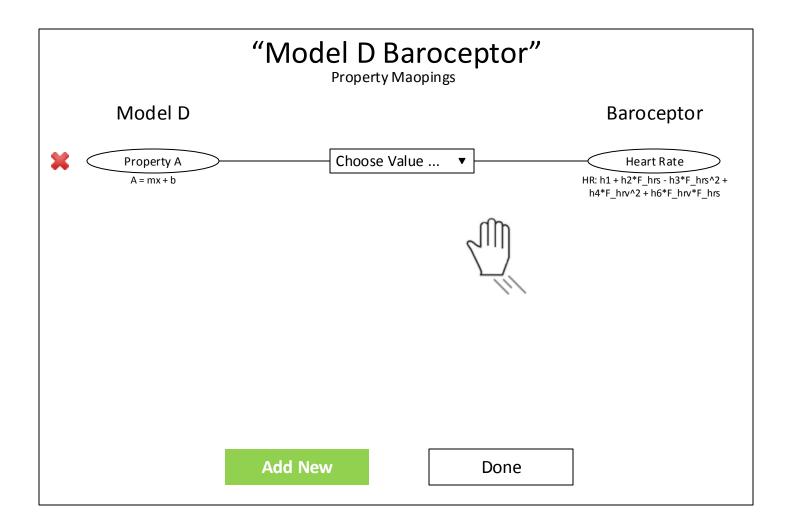


Choose a property in Model D to map to a property in Baroceptor

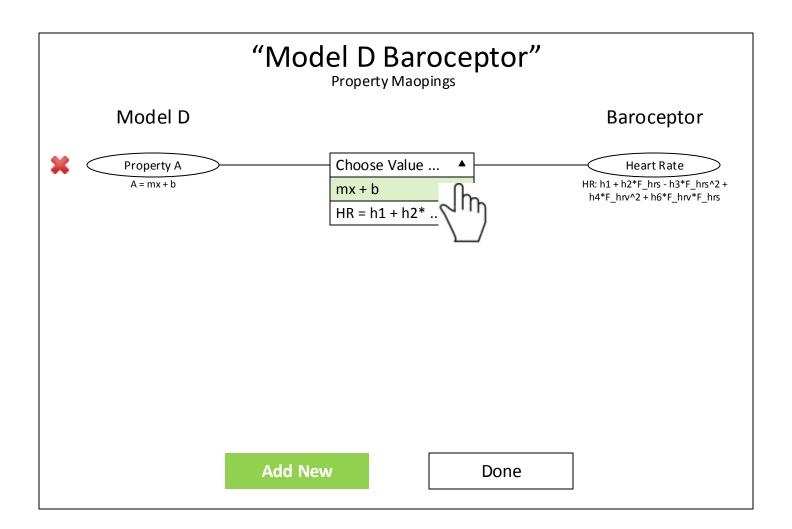
"Model D Baroceptor" **Property Maopings** Model D Baroceptor ? Property A Search... ▼ Symbol Name **▼** Value ▼ Simularity ▼ Aortic blood pressure Paop User defined input 90% Baroceptor firing rate 83% Nbr $t = Nbr_t$ Baroceptor gain Κ 47% Contractility control offset amin 76% **Heart Rate** HR h1 + 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 225 Volume of systemic arteries Vsa 0%

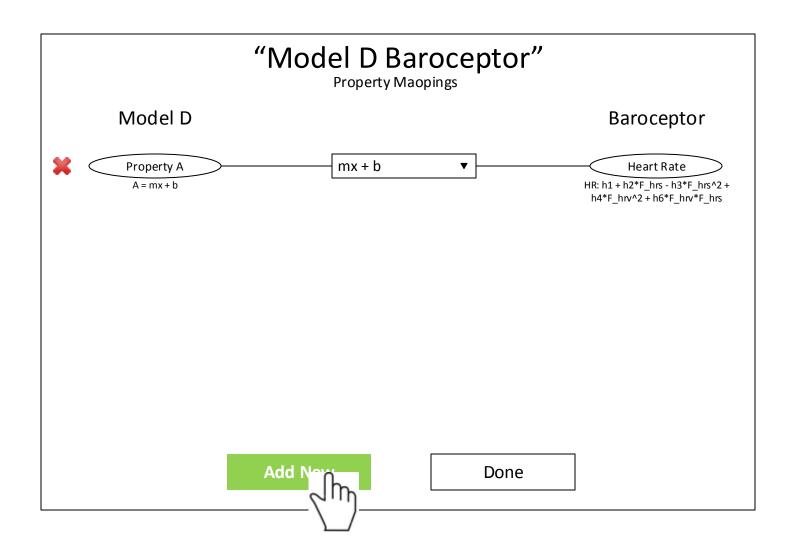
Choose a property in Baroceptor to map to "Property A" in Model D.

Heart Rate seems like the right choice.

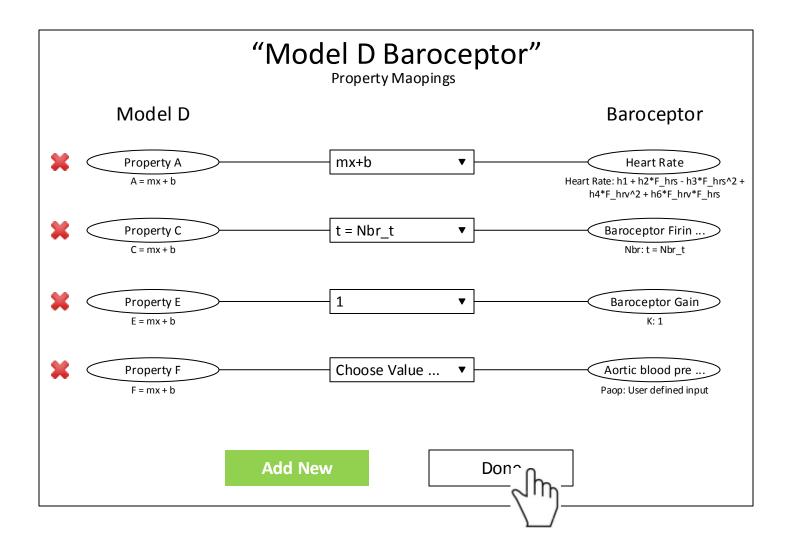


Choose a property value to use in the merged model



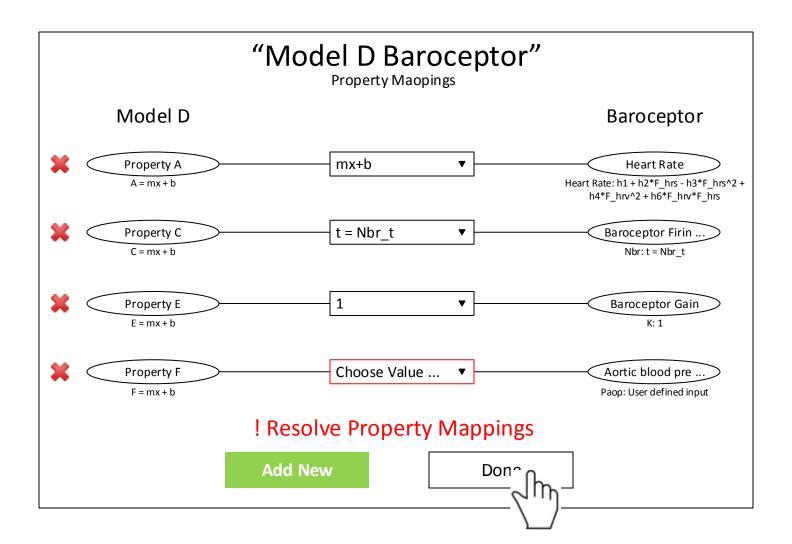


Add a new property mapping

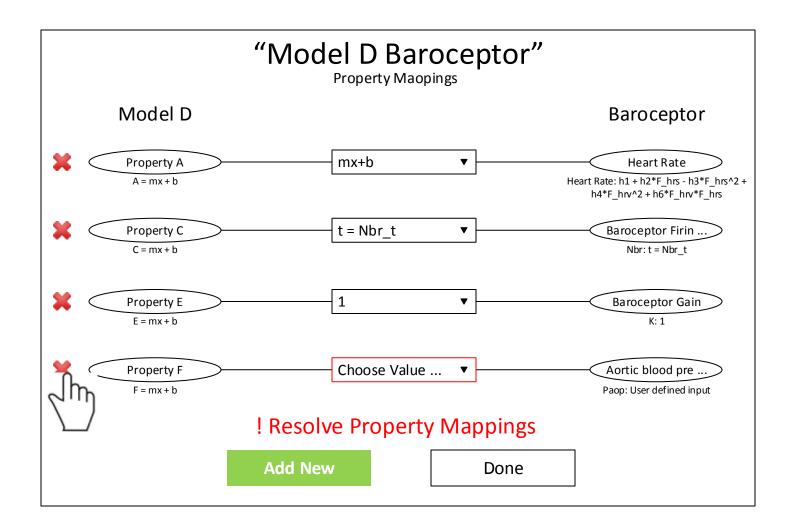


Select Done to return to workflow

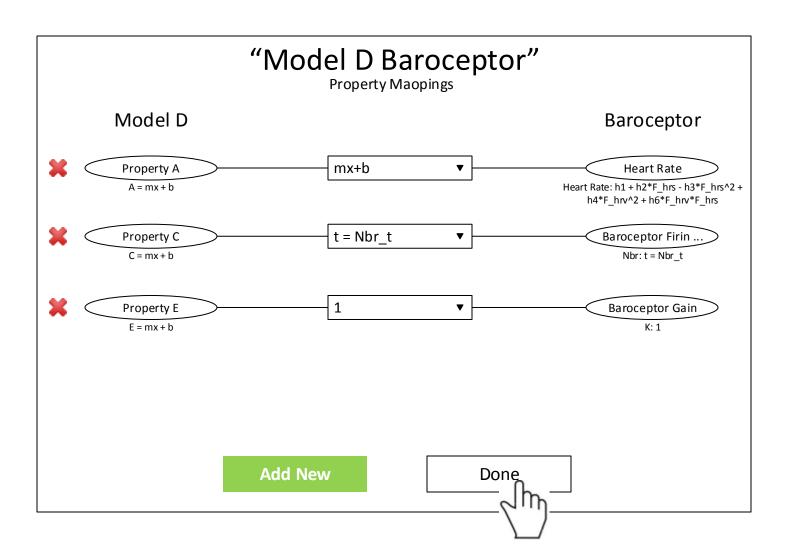
(Note that there exists a property mapping without a value)



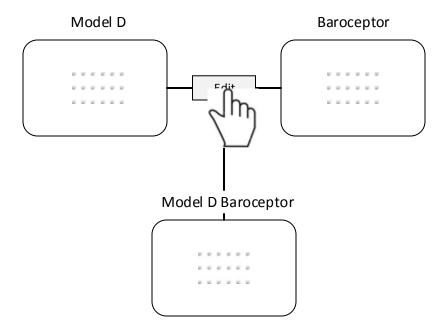
If unresolved property mappings exist show validation errors



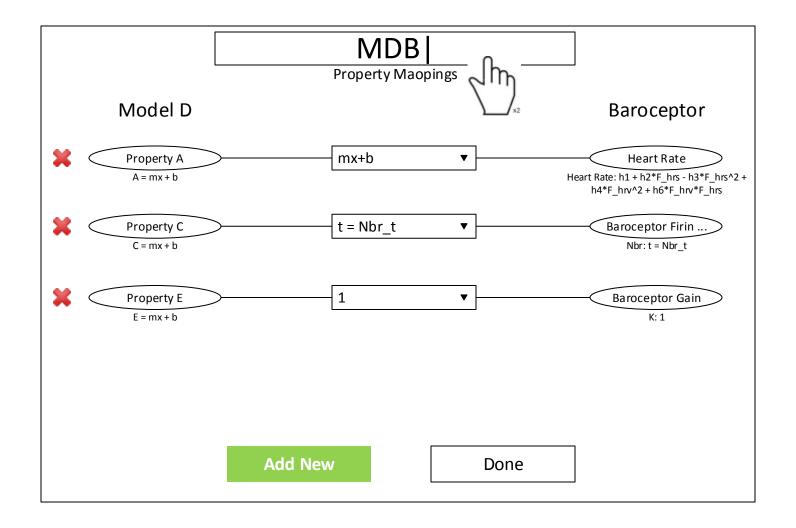
Remove the unresolved property mapping





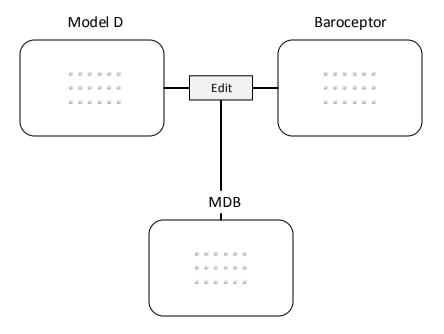


Click edit to update the merged model



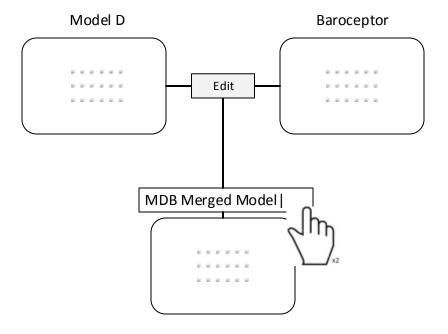
Double click the model's name to change it





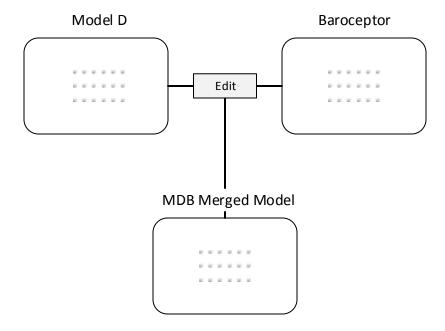
A valid merged model with an updated name





Rename a model by double clicking it's name.





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