TEMPLE UNIVERSITY

Sean P Martin <tuf53749@temple.edu>

Re: Stateflow Push Button [ref:_00Di0Ha1u._5000Zt47DD:ref]

1 message

US MathWorks Support <support@mathworks.com> Wed, Oct 25, 2017 at 10:51 AM
To: "spmartin@temple.edu" <spmartin@temple.edu>

Hello Sean,

Thank you for contacting MathWorks Technical Support. My name is J.T. and I am writing in reference to your Technical Support Case #02809061 regarding 'Stateflow Push Button'.

Both of your requests can be accomplished as described below. I have attached a sample model, "stopStateflowExample.slx", which provides an example for implementing these features.

1) Stop simulation within Stateflow diagram

This can be accomplished by embedding the "Stop Simulation" block within a Simulink function in the Stateflow diagram. Thus, instead of using an output signal from the Stateflow diagram to drive the "Stop Simulation" block, the Stateflow diagram itself can directly call a Simulink function that contains this block. The attached model shows a simple implementation of this functionality. The following documentation page gives further information on Simulink functions in Stateflow for your reference:

https://www.mathworks.com/help/releases/R2017a/stateflow/ug/simulink-functions-in-stateflow.html

2) Push button to stop simulation

Simulink includes a Push Button block in the Simulink > Dashboard library. This button can be connected to a constant block, such that when the button is pushed and held, the constant block changes its value. This simple behavior is shown in the example model. Please refer to the following documentation page for more information:

https://www.mathworks.com/help/releases/R2017a/simulink/slref/pushbutton.html?searchHighlight=push%20button&s_tid=doc_srchtitle

Note that you may also consider other blocks in the Dashboard library for this application, such as the Toggle Switch.

I am going to close the case, but please do not hesitate to reach out if you have any further questions, and I will gladly reopen it.

Sincerely,
J.T. Ferrara
MathWorks Technical Support

Please preserve the Reference ID in any further correspondence on this query. This will allow our systems to automatically assign your reply to the appropriate Case.

Use the following link to view and update your Case online:
http://www.mathworks.com/support/servicerequests/index.html

---------- Original Message ----------
From: MathWorks Customer Support Auto Response [tsdonotreply@mathworks.com]
Sent: 10/24/2017 7:44 PM
To: spmartin@temple.edu
Subject: MathWorks Inc Case # 02809061: Stateflow Push Button -

The MathWorks Technical Support team has received your request for technical assistance and Case #02809061 was created for it. Our goal is to contact you within 1 business day.

Use the following link to view and update your Case online:
http://www.mathworks.com/support/servicerequests/index.html

This is an auto-generated reply to your request. If you have concerns about our technical support services, please contact tsmanagers@mathworks.com.

For MathWorks Technical Support contacts by country, visit http://www.mathworks.com/support/contact_us/index.html.

Sincerely,
MathWorks Technical Support

www.mathworks.com/support/contact_us

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stopStateflowExample.slx
24K