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Creating classes for SliderLabelSpinner, etc. (#p1695)

by **Digital Larry** » Wed Jul 16, 2014 8:55 am

True to my nature, I have spent a bit too much time doing things the hard way before the easier way raises its hand, yelling, "I'm over here"!

I implemented the SpinSliderLabel element by entering a bunch of Swing stuff into template code. Well, this is pretty difficult to debug because you have to update the code generator, restart the 2nd instance of Eclipse, try it, see what's wrong, exit the 2nd Eclipse, try again, etc. As I was driving to work this morning I had the flash that really what I need to do is to create these items as independent Java classes, get them all debugged over there (which is much easier) and then just reference that class in the template code to greatly simplify that part of it.

So what I'm looking for is to make some different components that can drop into a BoxLayout which is the structure of all (up to now) control panels.

I was struggling last night with trying to create the SliderSpinner combination. Reading the documentation at Oracle for JSpinner handlers suggests that only a maniac would write this code by hand. And I have to agree. There is no fun in doing so. Previously I had used the Eclipse plugin **WindowBuilder** to help with the layout of my main application frame. So there's no reason I cannot do the same thing to help build up the various items and get a decent set of classes and whatnot that can be re-used in different ways.

For example, in general I have the need to display different CADBlock variables in the Control Panel and allow them to be adjusted. So, those visual structures need to be isolated as an independent class. Then, I can make an extended class which references these visual elements but then also adds the specific translation routines. Such as:

Control Panel CAD Block

Filter frequency (log Hz) < - > filter parameter for single pole filter

Delay time (msec) < - > offset for WRA, RDA instructions

LFO Frequency (log Hz) < - > LFO rate parameter

LFO width (%) < - > LFO width parameter

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Re: Creating classes for SliderLabelSpinner, etc. (#p1696)

by **Digital Larry** » Thu Jul 17, 2014 6:26 am

I installed WindowBuilder last night and no matter what I did, I couldn't get it to show up. So I bravely forged ahead and wrote some simple Spinner handling code by hand with the help of some examples I found online. And they worked! Wow. So that is a step in the right direction. I'm now a little less certain that I can make a generic class for something like a SliderSpinner without setting it up to create notifications that I can catch in some normal way.

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