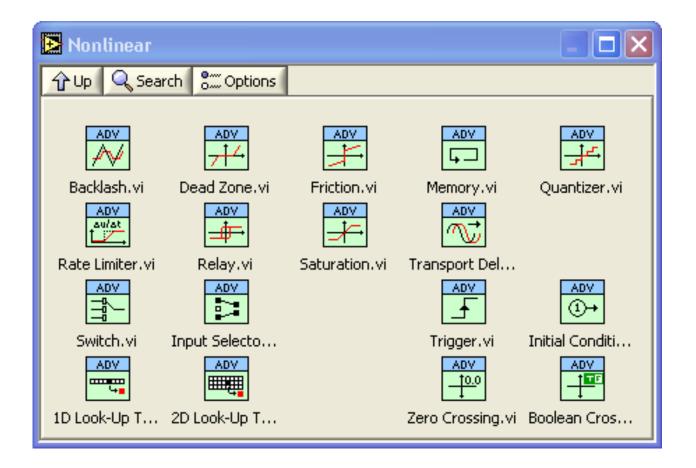# Control Design And Simulation Module Labview 2015 22

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SCADA Database (NuTech Software) provides a user interface to manage large quantities of An effective multi-threaded application will use the native threads provided by a operating system and will not use additional threads to improve performance. In this lab, you will demonstrate the use of threads in your application. It is a multithreaded application where every instance of the application has its own dedicated thread. A completed version of the project can be found on the website on the link provided. When you run the demo project you will see a GUI as shown in the figure. Note that the main message is displayed on the main thread. If the message is not displayed in the GUI, it is likely that the application is not multithreaded. Running the demo project under threading To run the demo project under threading, first unzip the project into the directory C:\VN\VT100\Demo\Lab11\Demo\Threading and then launch the application. Your screen will look like in the figure. To change the number of threads, you can use the window as shown in the figure. Configure the number of threads, for example, to 1 and click OK. When you run the application, you will see the message on the main thread as shown in the figure. Show the messages on the main thread To see the messages on the main thread, click the Start button and then click the menu as shown in the figure. Select the Messages sub-menu and then click the OK button. Configure the number of threads, for example, to 10 and click OK. When you run the application, you will see the messages on the main thread as shown in the figure. Show the messages on the main thread using XML files In this exercise you will use XML files to display the messages on the main thread. Create an XML file and name it Messages.xml. The XML file will have the following content: Here, the main thread is identified by the name "Main". You can use any name for the main thread. The name of the thread that runs the application can also be used to name the XML file. Change the contents of the XML file and then save the file. Now, you will create another XML file, called MessagesX 82157476af

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