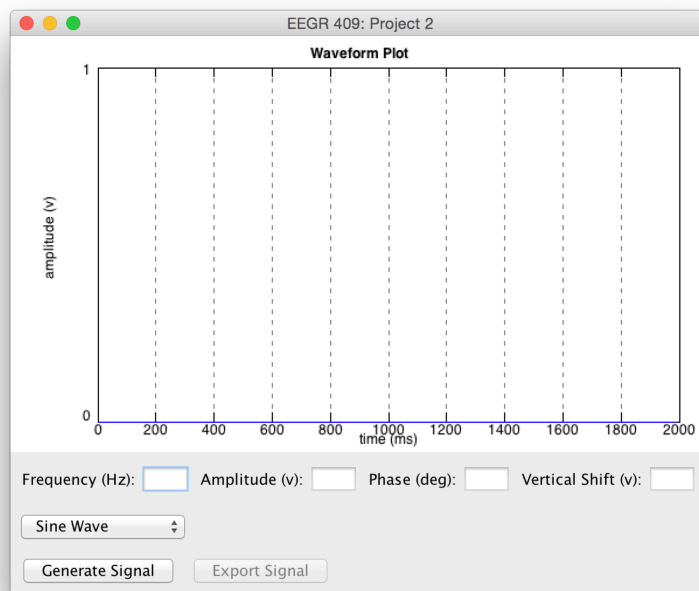


**Morgan State University**  
**Department of Electrical & Computer Engineering**  
**EEGR 409: C Programming Applications**  
**Project 2.2**

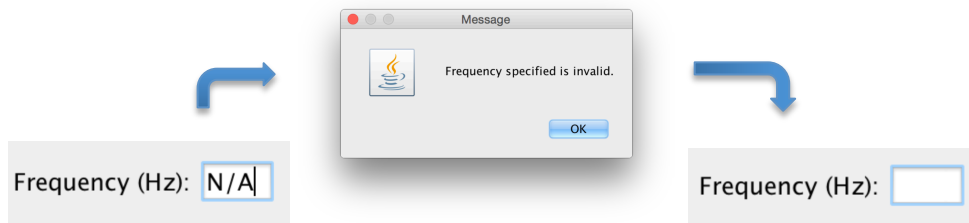
**Objective:**

Modify project 2.1:

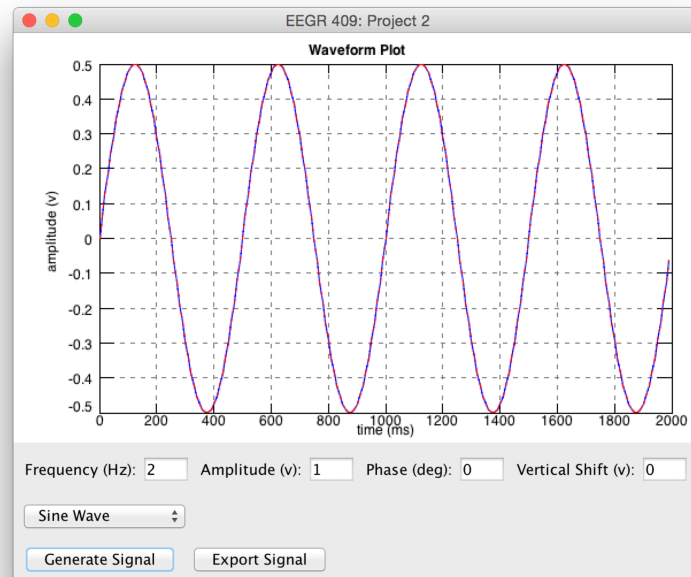
Create a GUI for your project using any combination of layouts to produce the results below



- The default graph should consist of a signal of all zeros
- The drop down box should allow the user to select different wave forms
- “Export Signal” is grayed out by default
- Hitting the “Enter” key in any parameter box should check for valid values and erase the parameter if an invalid value is presented and generate a message



Clicking “Generate Signal” with valid parameters displays the appropriate signal (based on the signal type selected in the combo box) in the plot window. If invalid parameters are provided, a message to indicate which ones are invalid is displayed and the parameters are erased from the text box.



“Export Signal” is enabled when there is actual data to export

You should be able to change the signal type, change parameters, and click “Generate Signal” to produce a new plot indefinitely.

