

DSP Assignment 2

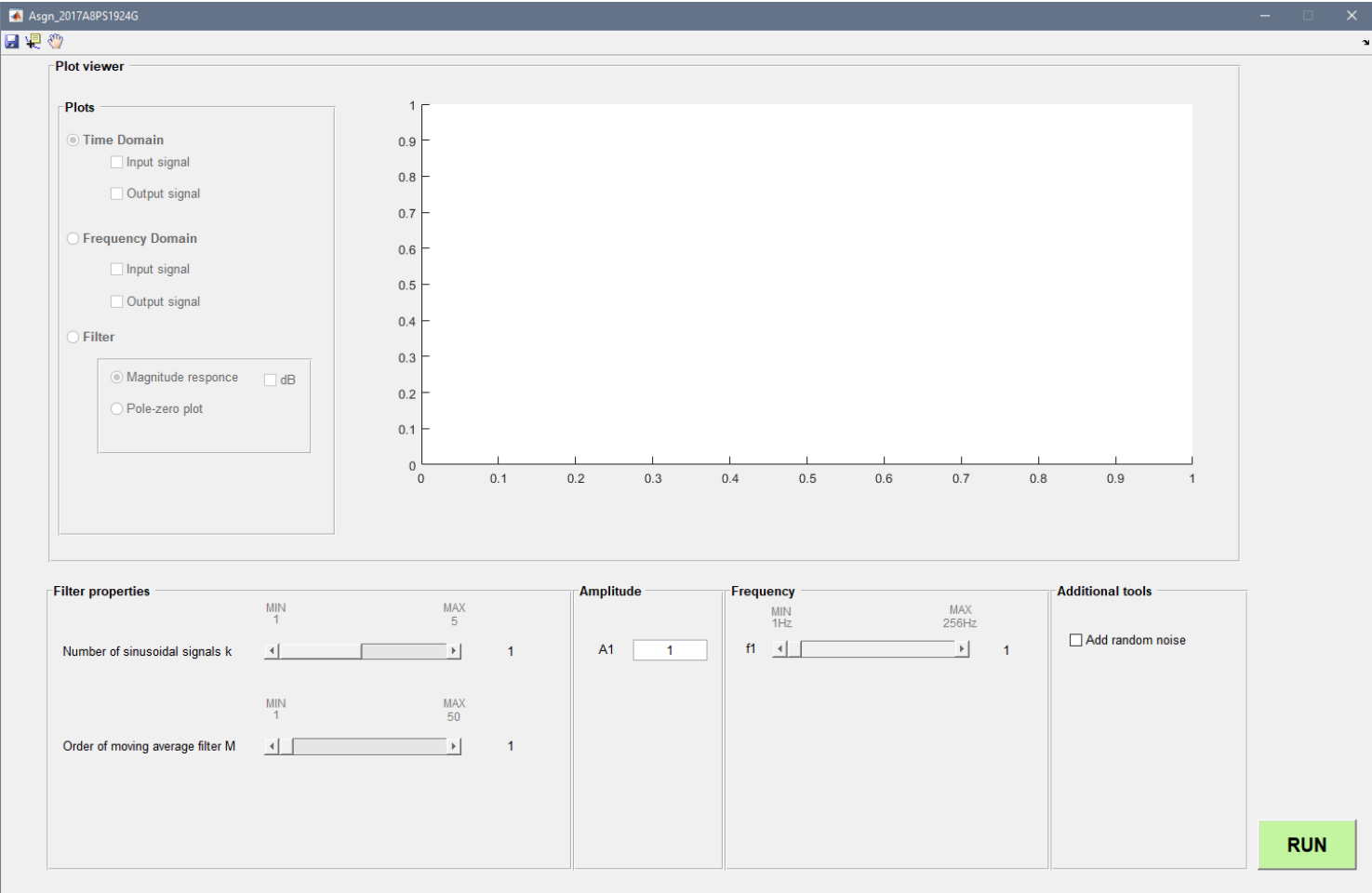
Moving Average Filter

Santosh Srivatsan
2017A8PS1924G

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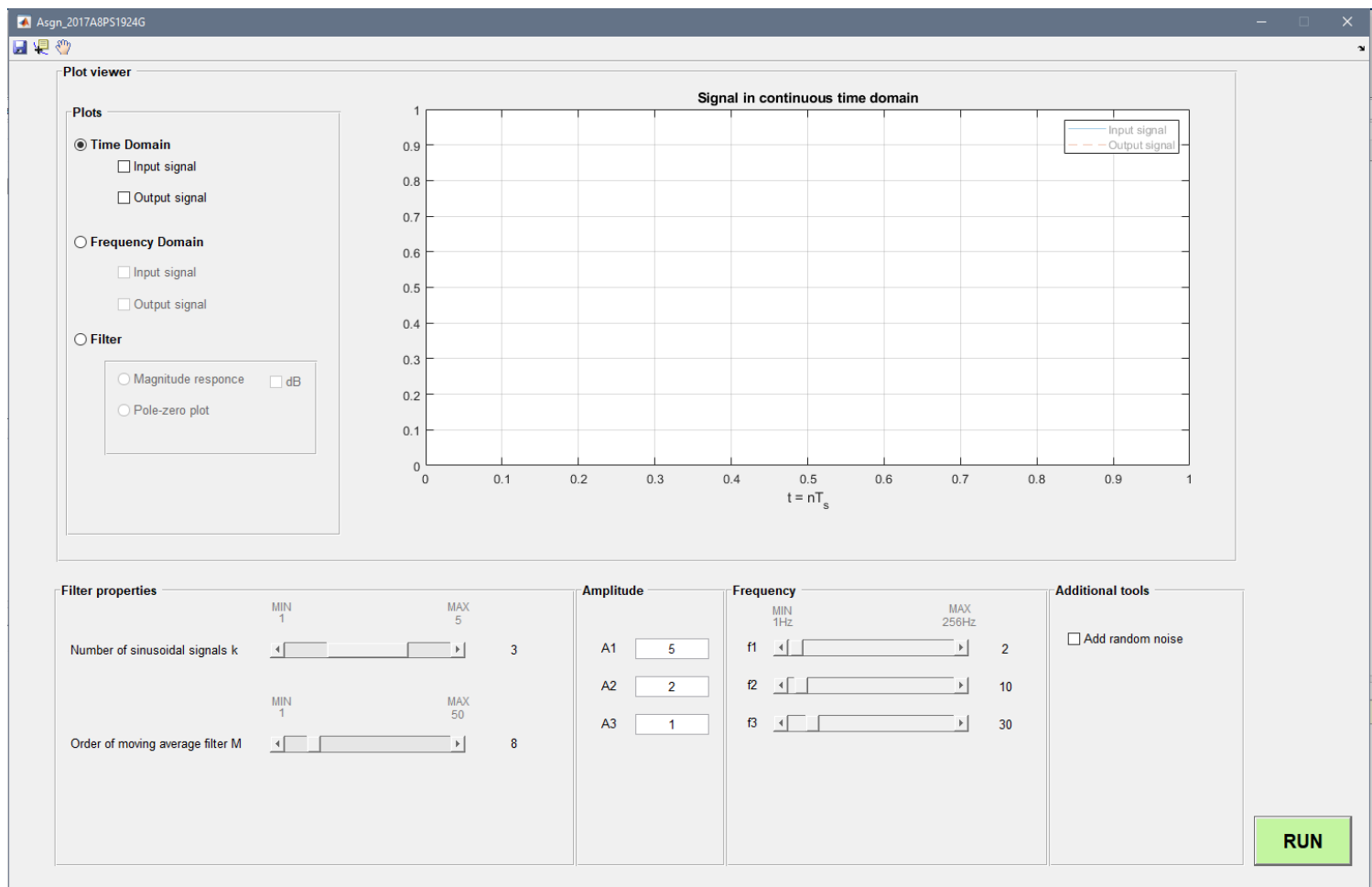
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GUI Overview



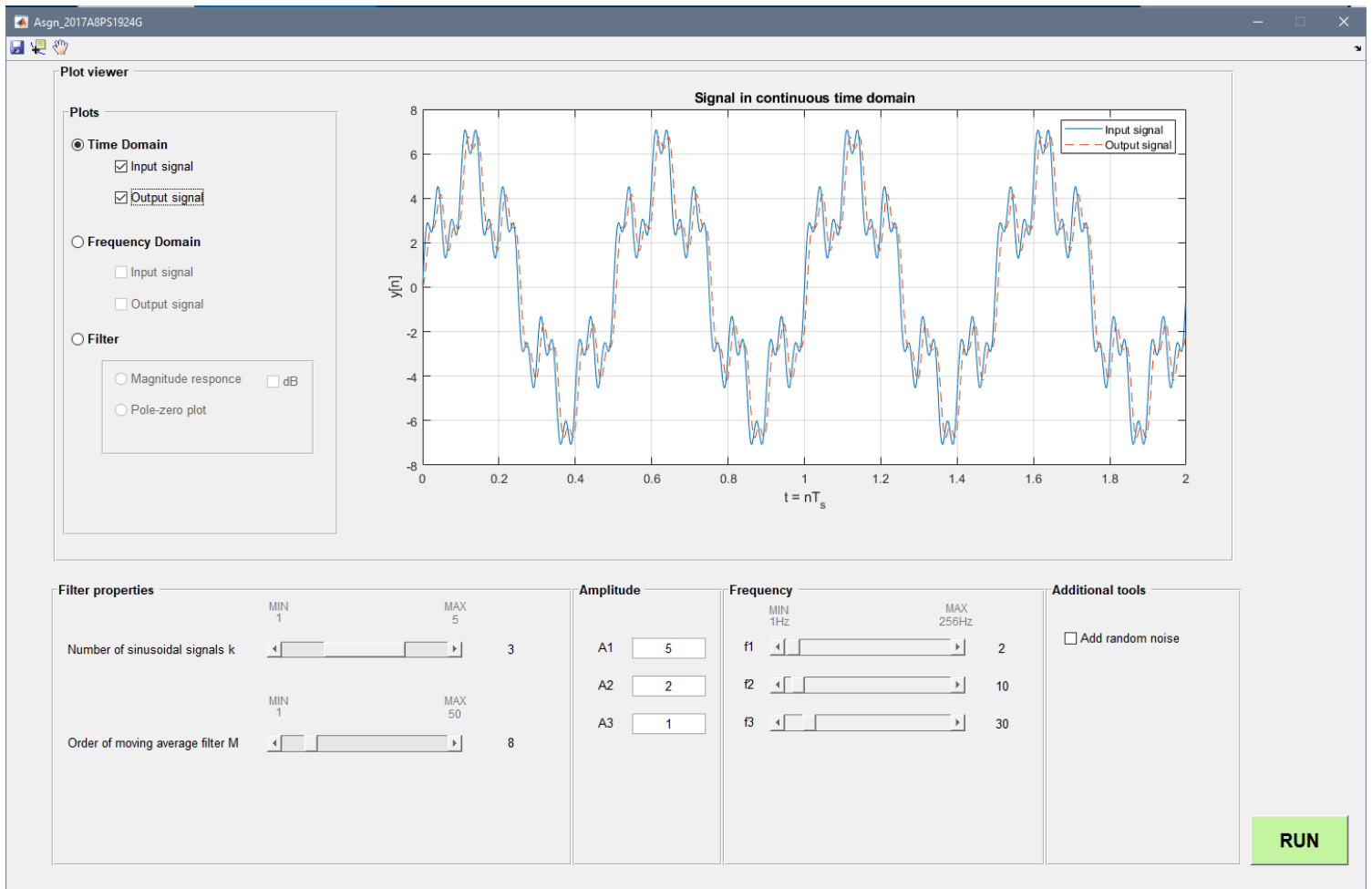
Choosing Input Parameters

1. Max value of $k = 5$
2. Max value of $M = 50$
3. Default value of $k = 1$
4. Default value of $M = 1$
5. Default value of Amplitude = 1
6. Default value of Frequency = 1
7. The GUI will not throw an error if the user clicks on RUN without entering any values since every user input parameter has a default.
8. The number of fields for entering values of Amplitude and frequency varies based on the value of k .
9. User also has the option to add random noise to the input signal.



Selecting Output Plots

1. Plots can be selected only after clicking the RUN button
2. Input and output signals can be plotted on the same window for comparison.
3. Plot can be saved as a jpeg image using the save functionality.



Screenshots of Working

