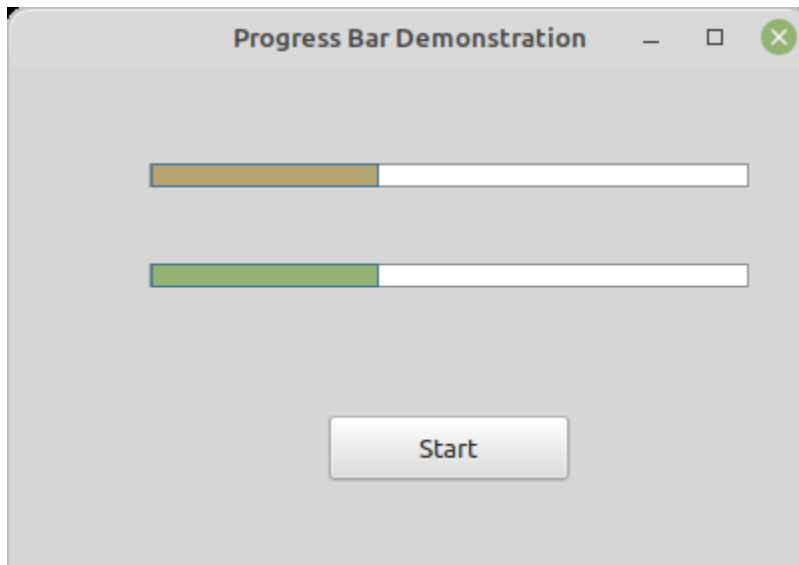
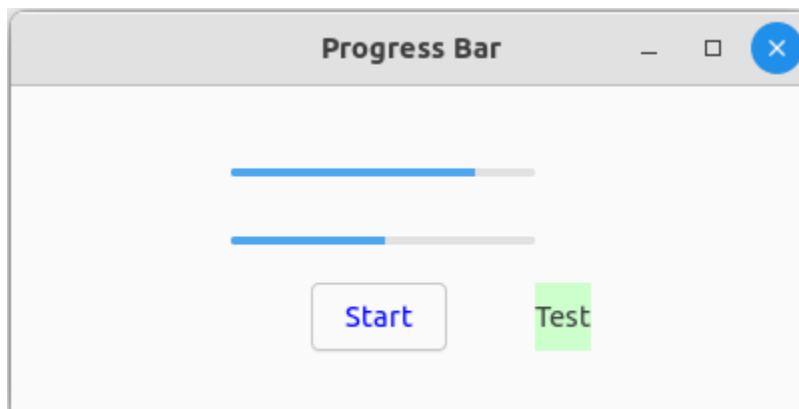


GTK CSS Overrides

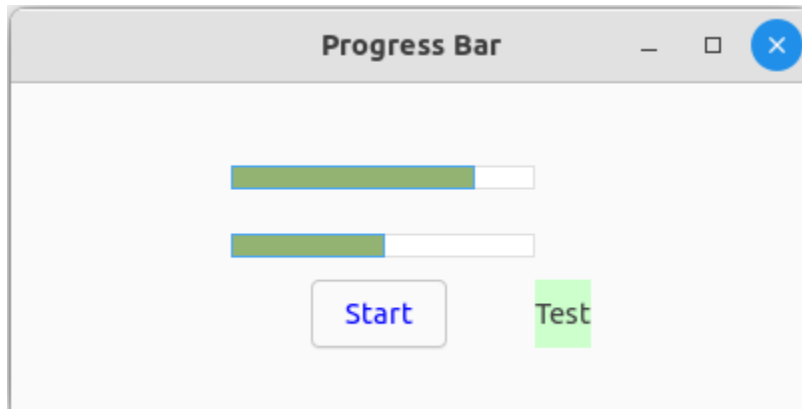
As a proof of principle test program, I wrote a simple C program utilizing the GTK3 progress bar widgets. I wanted to test and observe how CSS entries could be used to adjust the color of the progress bar. This program builds the user interface using a “UI” file built with Glade®, then changes the colors of each progress bar using the “GtkCssProvider”. The result is an interface display as shown in the following illustration.



With GTK4, simple widget overrides appear to work using a “GtkCssProvider” (such as the button text color and the label background color) but overrides to the size and color of the two progress bars do not change.



However, if one of the progress bar's overrides are applied to the display (using some temporary code in the program to perform the display context override), a global change to the progress bars per the CSS details can be seen.



This, however, is not the desired outcome. Each progress bar is supposed to have a different color as happens in the GTK3 version of the program. Both progress bar widgets get the same color and size override.

To eliminate the issue with Linux and the desktop windowing environment, I ran both versions of the program side-by-side. As can be seen, the GTK3 version on the left is behaving as planned, but the GTK4 version on the right displays the undesired behavior.

