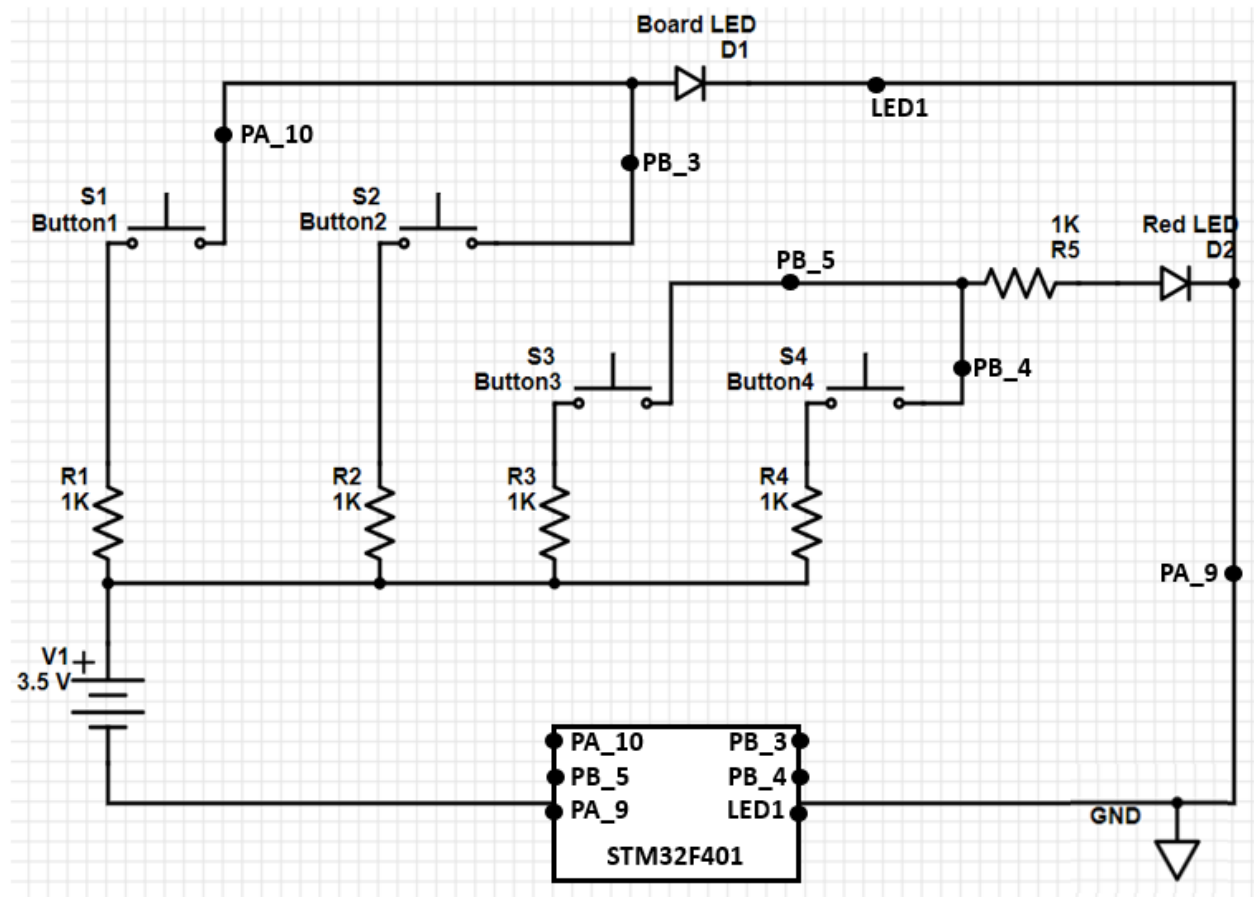


Arunsundar Kannan and Sarah Stephany

Programming using mbed API:

Changing `button1.fall` to `button1.rise` doesn't affect the outcome, just changes the interrupt trigger.



Analog input and output:

The slope of the wave will change by increasing/decreasing i .

```

File Edit Setup Control Window
potentiometer 2: 0.812698
potentiometer 1: 0.999512
potentiometer 2: 0.814652
potentiometer 1: 0.999512
potentiometer 2: 0.814408
potentiometer 1: 0.286935
potentiometer 2: 0.814652
potentiometer 1: 0.093040
potentiometer 2: 0.814652
potentiometer 1: 0.093529
potentiometer 2: 0.814164
potentiometer 1: 0.093773
potentiometer 2: 0.811233
potentiometer 1: 0.093040
potentiometer 2: 0.599756
potentiometer 1: 0.094506
potentiometer 2: 0.601709
potentiometer 1: 0.094017
potentiometer 2: 0.601221
potentiometer 1: 0.094017
potentiometer 2: 0.601709
potentiometer 1: 0.093773
potentiometer 2: 0.599267

```

Serial Communication:

```

COM7 - Tera Term VT
File Edit Setup Control Window Help
Hello mbed
temperature: 25.187500 degree C
temperature: 25.250000 degree C
temperature: 25.250000 degree C
temperature: 25.187500 degree C
temperature: 25.250000 degree C
temperature: 25.562500 degree C
temperature: 25.812500 degree C
temperature: 26.312500 degree C
temperature: 26.625000 degree C
temperature: 26.875000 degree C
temperature: 26.875000 degree C
temperature: 26.687500 degree C
temperature: 26.500000 degree C
temperature: 26.500000 degree C
temperature: 26.375000 degree C
temperature: 26.250000 degree C
temperature: 26.125000 degree C
temperature: 26.062500 degree C
temperature: 26.000000 degree C
temperature: 25.937500 degree C
temperature: 25.875000 degree C

```

