



SoSLUG - GPIO Starter Kit Worksheet - Buzzer PTM

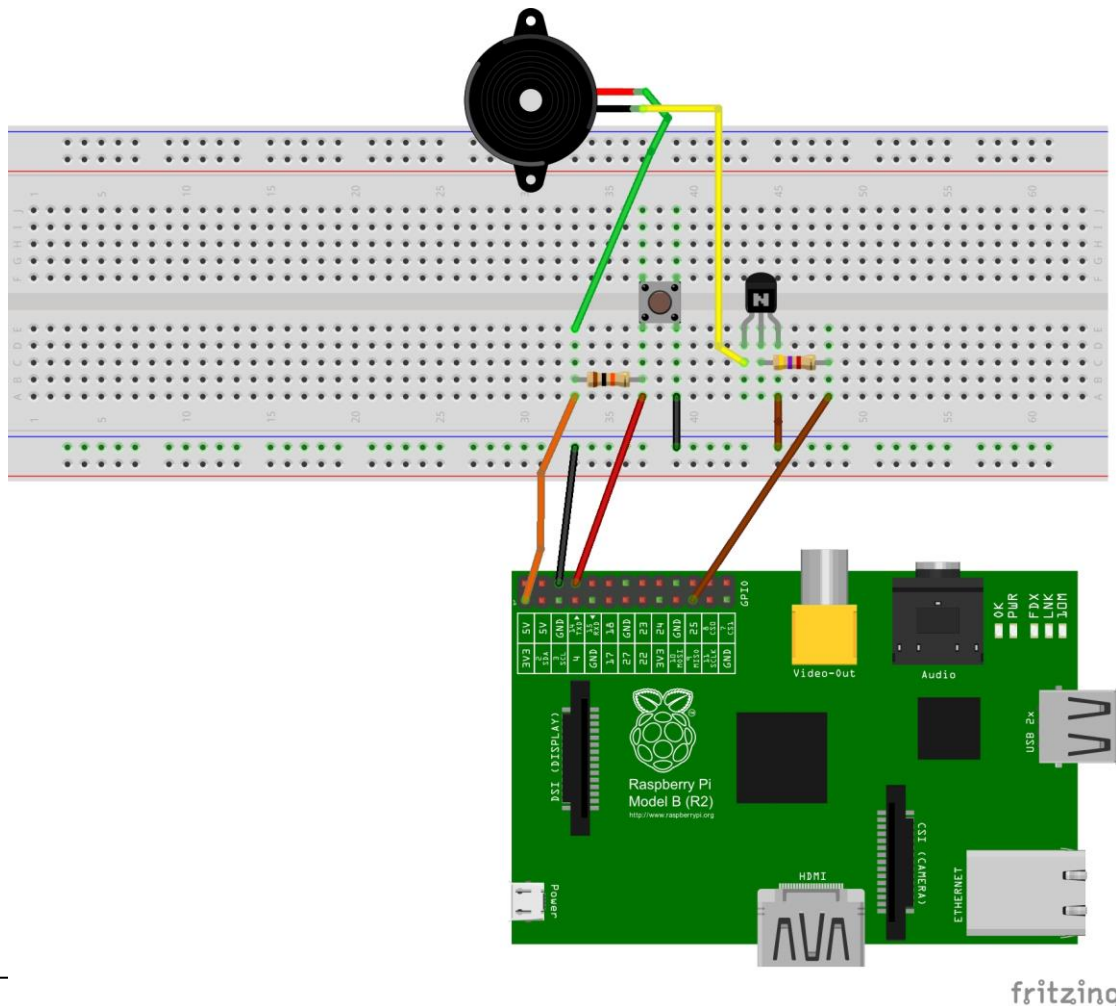
Southend-on-Sea Linux
Users Group (SoSLUG)
<http://www.soslug.org/>

OBJECTIVE

In this project we are going to sound a buzzer for as long as we press down on a button. The buzzer takes a fair bit of electricity to work, so we will use a transistor switch to power this.

HARDWARE

For this project we will need the buzzer, NPN transistor and push switch (PTM) plus a 4k7 resistor to protect the transistor and a 10k resistor to pull up the switch.



DEVELOPMENT

Now that you have a working version alter the code so that you only need to press the button and it will sound for only one second. If you hold the button down, it will still only sound for one second.