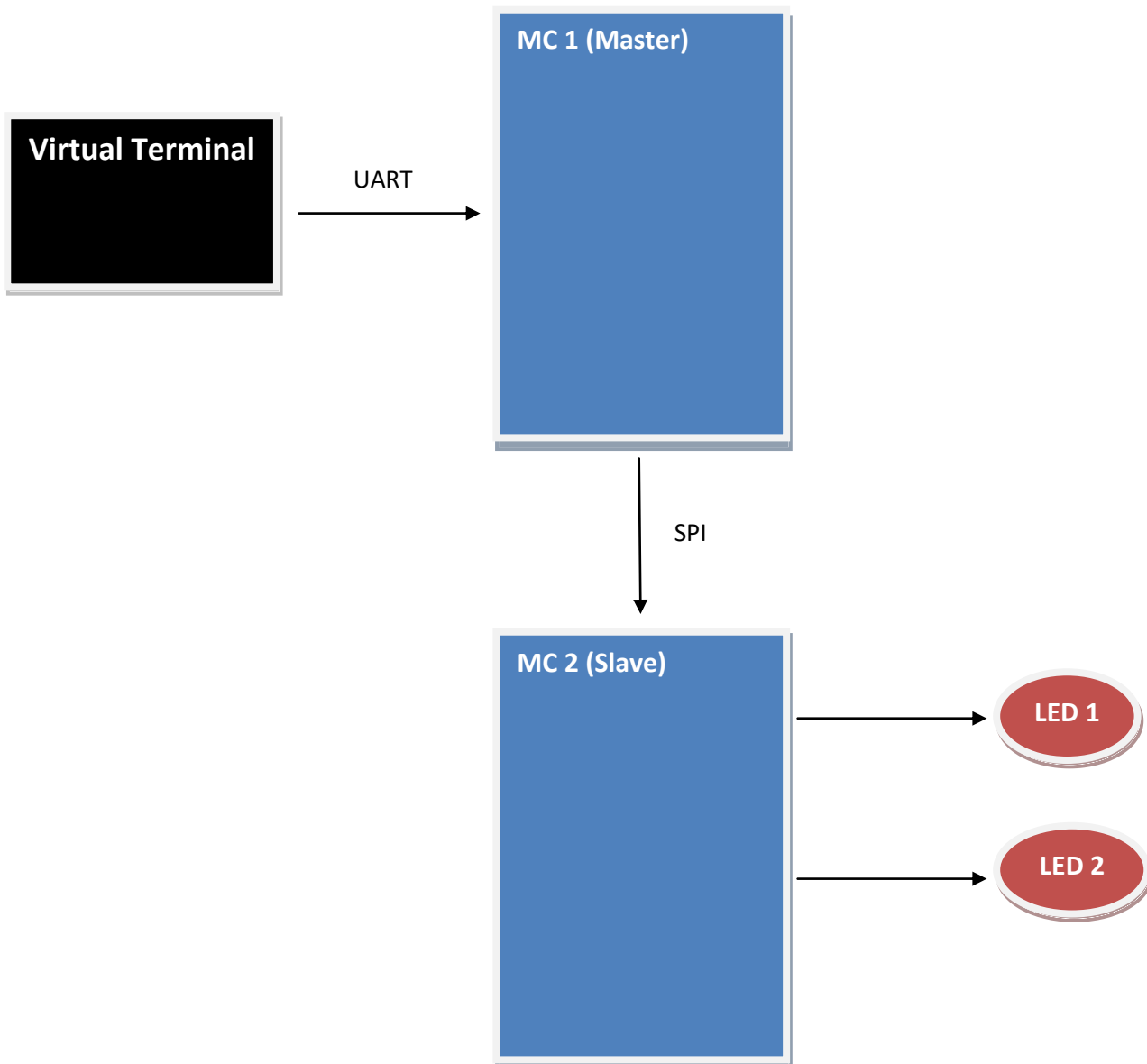


Smart Home Project

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Group: L11



- The Smart Home project consists of two microcontrollers.
- The First Microcontroller (Master) is connected to a Virtual Terminal through UART communication. The data sent from the Virtual terminal is then transferred to the Second Microcontroller (Slave) through SPI communication.
- The data received in the second microcontroller (Slave) through the SPI communication is then interpreted into On/Off switch for the connected devices, which in our case are two LEDs.

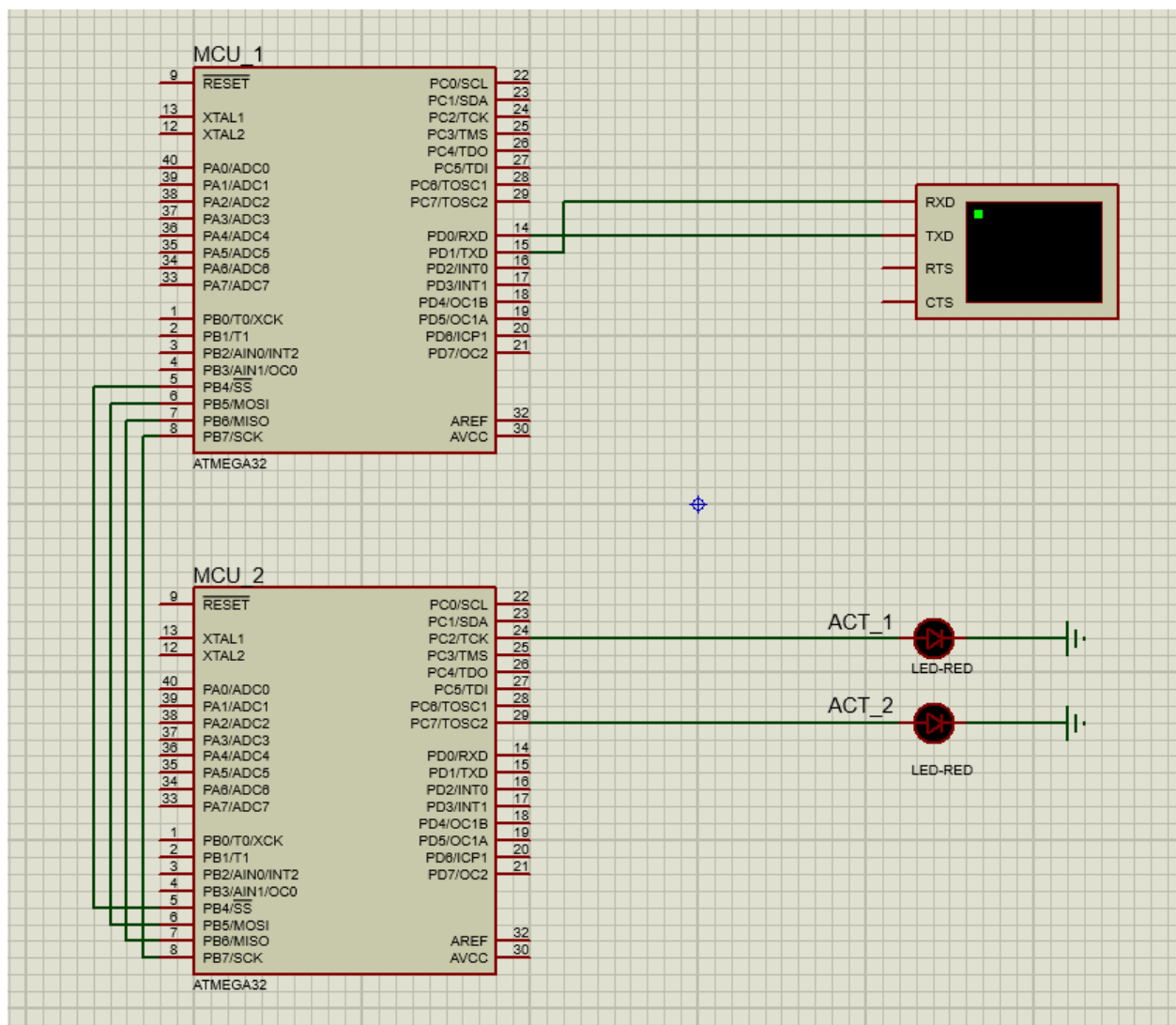
Data input to turn on the devices (LEDs):

'1': Turn on LED 1

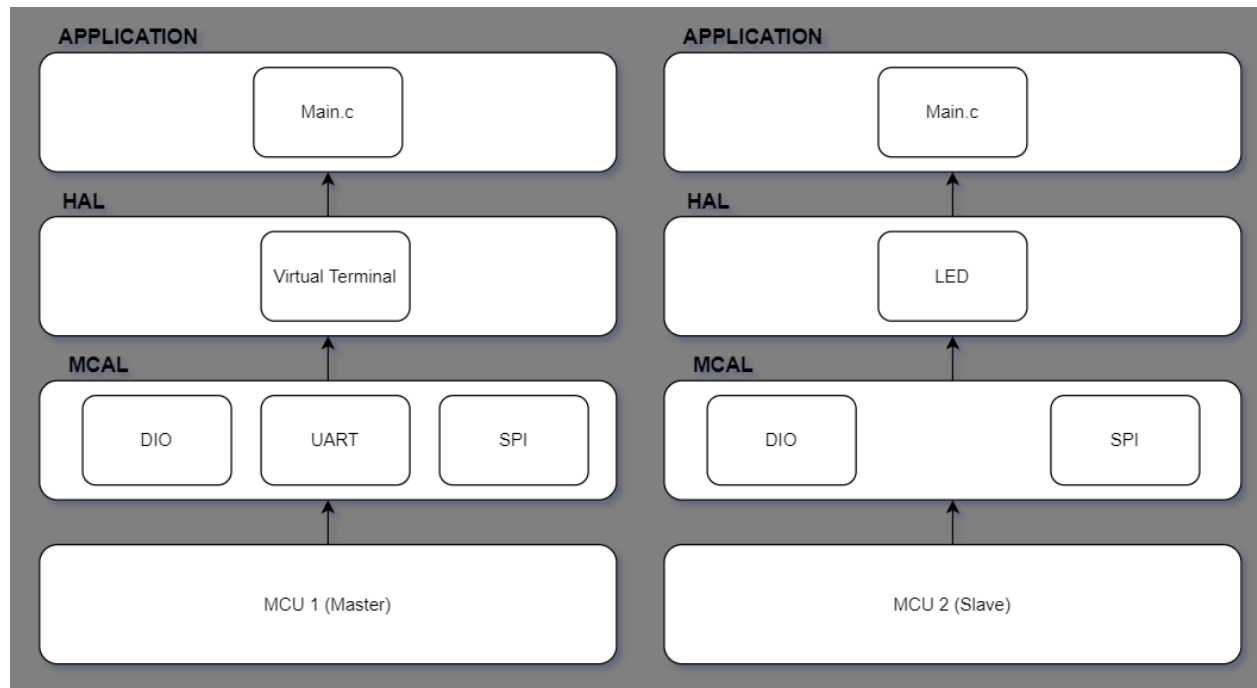
'0': Turn off LED 1

'H': Turn on LED 2

'L': Turn off LED 2



Layered Architecture:



Design flowchart:

