Circuit Design of Arduino GSM Home Security Alarm System

As the project is based on an Arduino, the connection is pretty simple. PIR motion detection sensor module has a digital output pin. The pir positive is given to arduino +5v. This is connected to any of the digital I/O pins of the Arduino.The GSM Module communicates with the microcontroller in a serial manner. It has an Rx and Tx pins on the board. These pins are connected to the Tx and Rx pins of the Arduino.It is important to note that while uploading the program (sketch) to Arduino, the GSM module must be disconnected as it might interfere with the serial communication with the Arduino IDE.