Demo

Digital with led and buzzer

Analog with pot
Features

8 bit timers
  PWM
  ICR
  OCR
16 bit timers
  PWM
  ICR
  OCR
USART
SPI
GPIO
  internal pull up
10 bit ADC
  comparitor
Common Chips

Atmega 32/324p
  40 pins
  32 k memory

Atmega 128
  128k memory

Atmega 2560
  100 pins
  256k memory
Assignment

You will need to rebuild and modify this demo circuit for the assignment.

This assignment must be demoed in the lab during office hours.
Programing in C using AVR Studio

Requires a ISP or JTAG programmer

ISP available for $17 dollars through university program

ISP programmers are available for checkout during office hours
Free Software

AVR Studio-Install First

WinAVR-Insatall Second
http://winavr.sourceforge.net/