SENIOR PROJECT
Pet Door Control System

FEATURES
- MSP430F2370 Microcontroller
  System control
- RFID READER TRF7950
  Inputs the signal into the system
- Solenoids
  Lock and unlock the door
- 2x16 LCD Screen
  User Interface
- x2 Pushbuttons
  User Interface
- 9v Battery Supply
- 9v Wall Supply
- Multi-purpose LEDs

APPLICATIONS
- LCD AND PUSHBUTTON INTERFACE
- RFID RECOGNITION
- STORAGE OF RFID NUMBERS
- ABILITY TO LOCK/UNLOCK PET DOOR

GENERAL DESCRIPTION
Regulates entry of a pet based on a list of parameters defined by the user. After successfully scanning their pet RFID, the number is stored. The user will be able to change door settings with an LCD display and pushbutton setup.

PET DOOR CONTROL SYSTEM BLOCK DIAGRAM