

# SENIOR PROJECT

## Pet Door Control System

### FEATURES

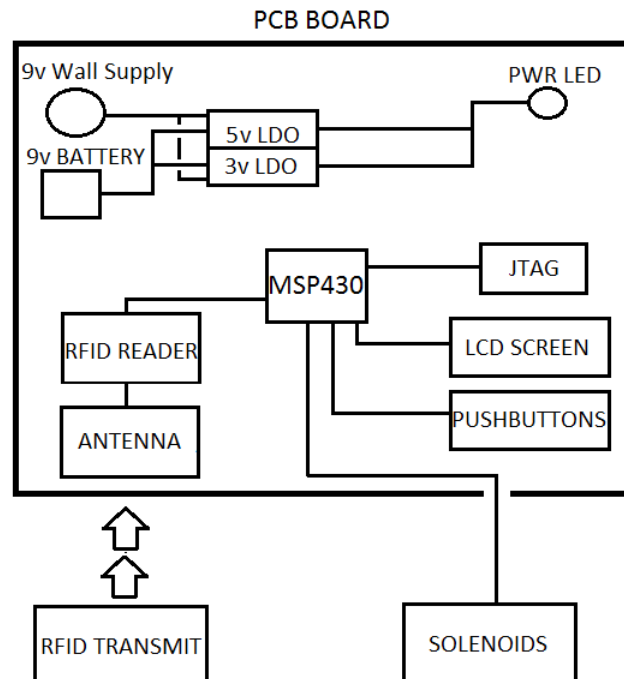
- MSP430F2370 Microcontroller  
System control
- RFID READER TRF7950  
Inputs the signal into the system
- Solenoids  
Lock and unlock the door
- 2x16 LCD Screen  
User Interface
- x2 Pushbuttons  
User Interface
- 9v Battery Supply
- 9v Wall Supply
- Multi-purpose LEDs

### 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