**Matthew Soto’s Code Plan**

**I.**                     **Moving the Joystick Up and Down**

**Explanation:** User moves the Joystick up into to cycle through categories.

**Categories:**

·      Passwords

·      Reminders

·      Numbers

**Components**

·      Joystick

·      LED  Display

**Pseudocode**

·      Categories

o   The three categories must be put into an array

·      Moving the joystick up

o   If the joystick is pressed up, Go to the previous category.

o   Else, nothing happens.

·      Moving the joystick Down

o   If the joystick is pressed down, Go to the next category.

o   Else, nothing happens.

**II.**                 **Sending text to arduino**

**Explanation:** User sends a text to the arduino which will display on the LED Display

**Components**

·      LED Display

·      Cell Phone

·      Blue Tooth

**Pseudocode**

·      Sending the Message

o   Once the message is sent the arduino stores the message.

o   Messages are stored from old to new.

·      Reading the Message

o   Once LED Display is on it will display the message.

o   Moving the Joystick left and right allows the uder to see the next and previous messages,