Honeywell-Resideo

Haydé Zamudio Angélica Luna Felipe Rojas A01363956 A01187815 A01566041



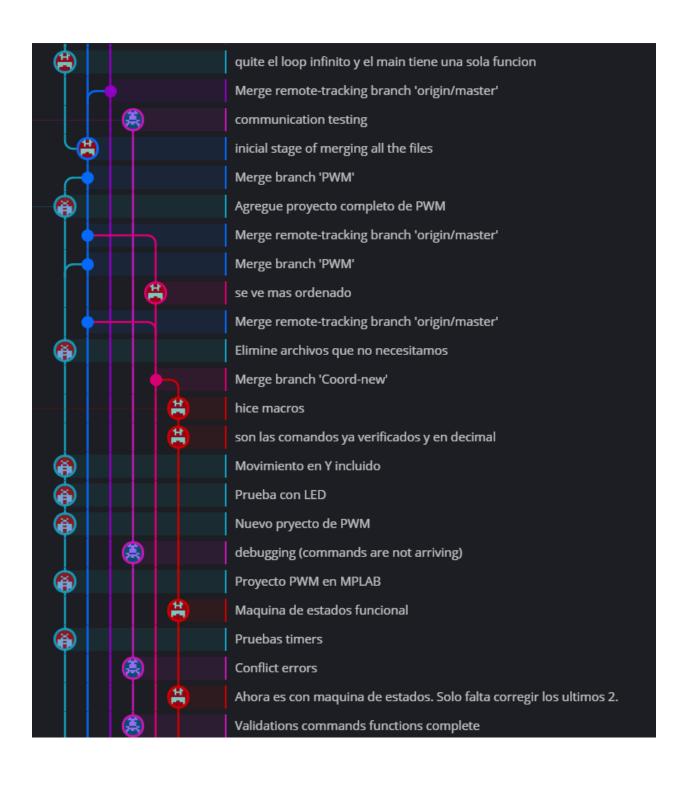


Code Review evidence

Using GitKraken as a Git GIU, the next images shows the commits and branches the project had.

-⑤	HEX file added. Interruptions removed
(€)	LED messages
	Interruptions removed
(\$)	Files organized
(\$)	Magic numbers reduction and language changed
	Merge branch 'Testing'
	Testing Go to coordinate
	testing code: failures on interruptions
	Restricction read from UART
(\$)	Code review: Package of data are not sent correctly
(4)	PIC programming manual
	Test Case Evaluation
	Code review: use of less magic numbers
₿	Interruptions and instrucctions coordinates OK
(4)	Presentación Final
	Coordinate position 0 established
lack	Adding interruptions (pull and push)
₿	Adding interruptions for call instrucctions
(4)	Corrección de problemas con coordenadas
Ģ	WIP on master: Auto stash before merge of "master" and "origin/master"
	Adding interrutpions functions
(i)	Relative coordinates changed
(4)	Programa completo
(A)	Otra vez agregué config

(4)	Volví a agregar el archivo de configuración
	Merge remote-tracking branch 'origin/master'
(a)	Agregue EnableB
	Auto stash before merge of "master" and "origin/master"
	Interruptions configuration for main.c
(Instrucctions File.c edited for configuration bits only
(8)	Adding Interruption Configuration
	Agregue configuración de puertos y pwm
(a)	Eliminamos errores
(#)	Quitar errores
(a)	Ordene los headers
(\$)	Header Config y archivo movimiento
(a)	Agregue header de config y archivo de movimiento"
(a)	Revert "Agregue header de config y archivo de movimiento"
(a)	Agregue header de config y archivo de movimiento
(\$)	Agregue archivo solenoide
(\$)	Agregué header "definiciones.h"
(testing cases: instrucction
(Agregué un comentario
(\$)	Comment Functions
—	Merge branch 'Interruption'
	Interruption configuration added
<u></u>	verification test 3 (ascii)
	Merge remote-tracking branch 'origin/master'



Code review and improvement: Code was improved not only in better algorithm but also on syntax, readability and easier to maintain. Other tools, such TortoiseSVN, helped to compare code.

Using *diff with* tool, it was easier to compare files. An example is this file from the project, where magic numbers were used and some conditions/instrucctions hadn't been implemented.

```
CodeReview.txt
#include <picl8f4550.h>
#include <xc.h>
#include <string.h
#include <stdlib.h>
#include <stdint.h>
#include "UART.h"
#include "cases.h"
#include "Definiciones.h"
#include "Configuracion.h"
#include "Interruptions.h"
#include "PWM.h"
int coord(char* P1, char*L, uint16_t* x , uint16_t* y , char*P2){
     char buffer[EndCommandCharacter+1];
       char read:
      char flagBuffer = OFF;
       char counterRevision = 0;
       TURN_ON_RECEIVER
   for(int i=StartCommandCharacter; i<(EndCommandCharacter+1); i++){</pre>
           read= UARTRead();
           buffer[i]=read;
           if(i == (EndCommandCharacter))
                TURN OFF RECEIVER
        if(RCSTAbits.OERR == ON)
                                                   //Error has ocurred
           TXSTAlbits.TXEN = OFF;
           RCSTAlbits.CREN = OFF;
             _delay_ms(15);
           TXSTAlbits.TXEN = ON;
           RCSTAlbits.CREN = ON;
        *Pl= buffer[StartCommandCharacter];
        *L= buffer[InstructionCharacter];
        *P2= buffer[EndCommandCharacter];
        for(char n=CharacterX1; n<(CharacterY3+1); n++)
            if(buffer[n] <= MAXIMAL_ASCII_NUMBER && buffer[n] >= MINIMAL_ASCII_NUMBER)
```

```
CodeReview1.txt
#include <picl8f4550.h>
#include <xc.h>
#include <stdlib.h>
#include <stdint.h>
#include "UART.h"
#include "cases.h"
#include "Definiciones.h"
#include "Configuracion.h"
int coord(char* P1, char*L, uint16_t* x , uint16_t* y , char*P2){
        char buffer [9];
         char read;
         //printf("\nComando:");
         for(int i=0; i<=8; i++) {
    read= UARTRead(); //scanf("%c", &read);</pre>
              buffer[i]=read;
          *Pl= buffer[0];
          *L= buffer[1];
         *x = 1*(buffer[4]-48) + 10*(buffer[3]-48) + 100*(buffer[2]-48);
*y = 1*(buffer[7]-48) + 10*(buffer[6]-48) + 100*(buffer[5]-48);
          *P2= buffer[8];
```

Also, GitKraken can compare commits

