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1  #include "stm32f10x.h"
2  #include "clock.h"
3  #include "ports.h"
4  #include "lcd.h"
5  #include "ADC.h"
6  #include "interrupt.h"
7  #include "pwm.h"
8  #include "keypad.h"
9  #include "spi_rfid.h"
10 #include "delay.h"
11 #include "flash_spi.h"
12 #include "array_store.h"
13
14 bool flag = false;
15
16 int main()
17 {
18
19     MasterClockInit();
20     SysTick_Init();
21     NVIC_Init1();
22     LCD_port();
23     LCD_Init1();
24     keypad_ports();
25     PWM_Clock();
26     PWM_Init();
27     read_flash();
28     ADC_init();
29     while (1)
30     {
31         user();
32         delay_ms(1000);
33         name_2_LCD();
34         int x;
35         while (1)
36         {
37             if (flag)
38             {
39                 eleventh_2_LCD();
40                 int z = get_password();
41                 if (z == 0x00987654)
42                 {
43                     chip_erase();
44                     NVIC_SystemReset();
45                 }
46                 else
47                 {
48                     eighteenth_2_LCD();
49                     PWM_statel();
50                     delay_ms(1000);
51                     PWM_state0();
52                     NVIC_SystemReset();
53                 }
54             }
55             x = read_key();
56             if (x == 0x31 || x == 0x32)
57                 break;
58             delay_ms(300);
59         }
60         if (x == 0x31)
61         {
62             GPIOC->BSRR = 0x100;
63             CMD_2_LCD(LCD_CLR);
64             read_user();
65         }
66         else if (x == 0x32)
67         {
68             GPIOC->BSRR = 0x200;
69             store_rfid();
70             chip_erase();
71             delay_ms(100);
72             storing();
73         }
74     }
75 }
```

```
74     GPIOC->BRR = 0x300;
75     delay_ms(1000);
76 }
77 }
78 void EXTI0_IRQHandler(void)
79 {
80     EXTI->PR |= EXTI_PR_PR0;
81     NVIC_SystemReset();
82 }
83 void EXTI4_IRQHandler(void)
84 {
85     EXTI->PR |= EXTI_PR_PR4;
86     flag = true;
87 }
```