

```
pub struct Registers {  
    pub a: u8,  
    pub b: u8,  
    pub c: u8,  
    pub d: u8,  
    pub e: u8,  
    pub h: u8,  
    pub l: u8,  
    pub f: u8,  
    pub pc: u16,  
    pub sp: u16,  
}
```

16-bit	Hi	Lo	Name/Function
AF	A	-	Accumulator & Flags
BC	B	C	BC
DE	D	E	DE
HL	H	L	HL
SP	-	-	Stack Pointer
PC	-	-	Program Counter/Pointer

The Flags Register (lower 8 bits of AF register)

Bit	Name	Explanation
7	z	Zero flag
6	n	Subtraction flag (BCD)
5	h	Half Carry flag (BCD)
4	c	Carry flag

Contains information about the result of the most recent instruction that has affected flags.