UML class diagram:

USART_TypeDef
- + SR
- + DR
- + BRR
- + CR1
- + CR2
- + CR3
- + GTPR

GPIO_TypeDef
- + MODER
- + OTYPER
- + OSPEEDR
- + PUPDR
- + IDR
- + ODR
- + BSRR
- + LCKR
- + AFR

RCC_TypeDef
- + CR
- + PLLCFGR
- + CFGR
- + CIR
- + AHB1RSTR
- + AHB2RSTR
- + AHB3RSTR
- + RESERVED0
- + APB1RSTR
- + APB2RSTR
- and 22 more...

+pUART   +pGPIO   +pRCC

UARTHandle_t
- + oversampling
- + enable
- + word_length
- + parity_enable
- + parity_setting
- + interrupt_enable
- + interrupt_number
- + receiver_interrupt
- + transmit_interrupt
- + to_transmit
- and 14 more...