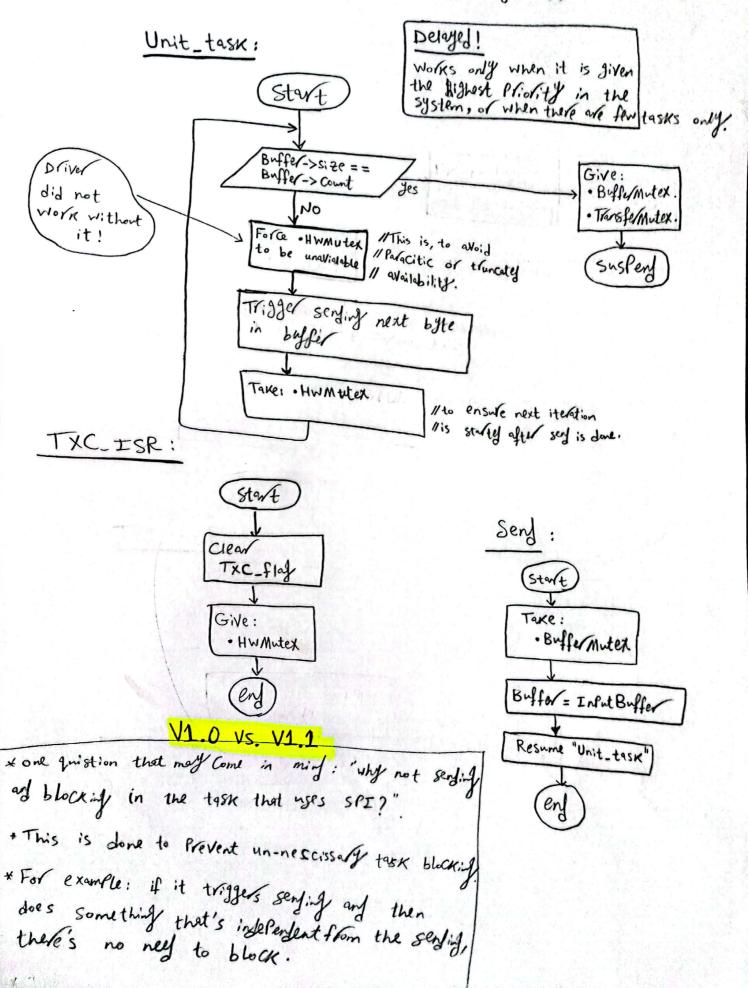
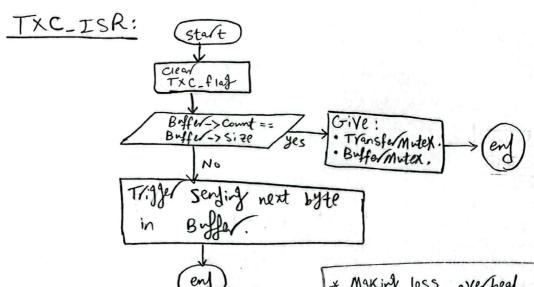


SPI V1.1 (Transmitting only)

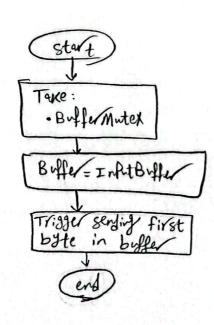


SPI V1.2 (transmitting only)

* As noticed in the SPI V1.1, "Unit_task" is not much of an overhead. Hence, it's a waste of time to use mutex Communication with ISR, Instead, let the ISR do the whole job.



Seny :



* Making less overhead, still doesn't mean V1.2 is better than V1.1. Because, V1.2 made SPI transmitting of a very high Pri-ority (Remember that lowest priority ISR is higher in priority than the highest Priority task).

*Hence, V1.2 is better only if the system design aims to give sPI transmission the highest execution Priority, or at least tolerates it.

Important note for SPI when using STM32:

* STM32 does not have Transfer Complete_Intellipt_Flig!!

* "TXE" does not mean that transfer has been

Completed! it means that data are just copied

from TX-register to the shift-register and

is being currently transferred.

* AS RXNE_flag is set after data has been Copied from the shift-register to RX-register,

- · Any knowing that this world occur after transmitting the data from TX -> shift registers out-Pin fully.
- Hence, RXNE_flog Could be used as Transer_Complete_ flog as well.