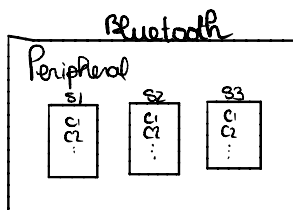
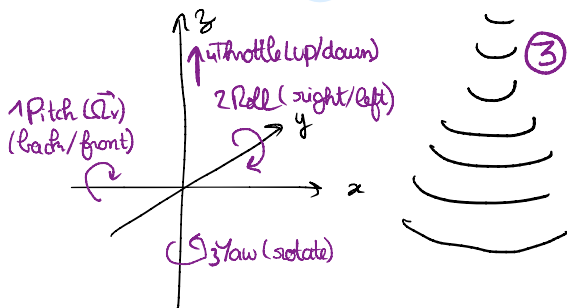
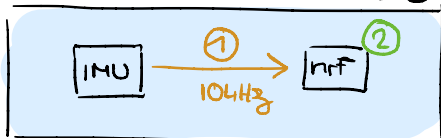


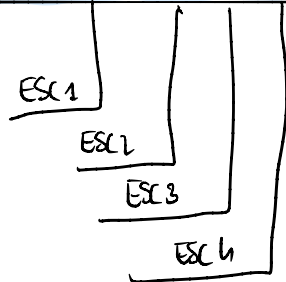
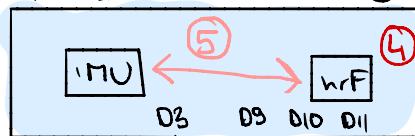
① Transmitter - Peripheral device

Arduino Nano BLE 33 ①



② Receiver (Flight controller = drone)

Arduino Nano BLE ⑥



① Read and send gyro and accelerometer data to nrf52840 ✓

② Change raw data into angles (use of a complementary filter) → 4 channels ✓

③ Send 4 channels with BLE (Pitch, Roll, Yaw, Throttle) → separate the channels into services or characteristics

④ map the received values
Pitch (-180; 180) → (1000, 2000)
Roll (-180; 180) → (1000, 2000)
Yaw (-180; 180) → (1000, 2000)
Throttle (use the proximity sensor)

⑤ Code the flight controller to pilot the drone (difference between the actual values send by the IMU and the desired received values.)

