- CAN bus lab: Part 1

Goal: Transform the example in the link below to create:

  - an application that sends messages via CAN bus
  - an application that receives messages via CAN bus

Test the final use case by flashing the executable file to several boards and connecting them via CAN transceiver.

Link: https://github.com/Infineon/AURIX_code_examples

Steps

3. Change the code: adapt the code of the example to create a module that selectively either send or receive messages using CAN bus
4. Browse the manual to find the correct pinout that should be applied in order to connect the transceiver
5. Browse the manual to find the correct configuration to enable the transceiver
6. Test (and debug) the application

- CAN bus lab: Part 2

Goal: Integrate into the application developed in Part 1 the code from the ADC example: ADC_Filtering_1_KIT_TC375_LK (look for it in the board documentation you can find in the IDE). The goal is to read a value from an ADC channel and send it, as part of a CAN message, to a remote receiver connected through CAN bus.