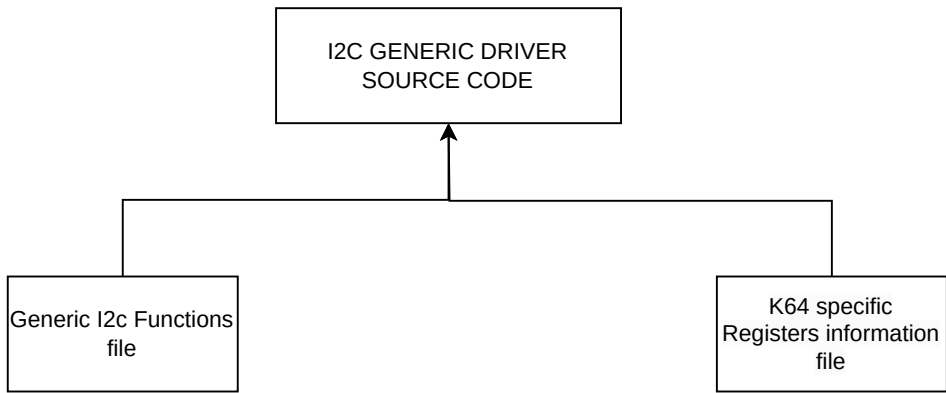
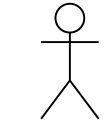


Source files Organization

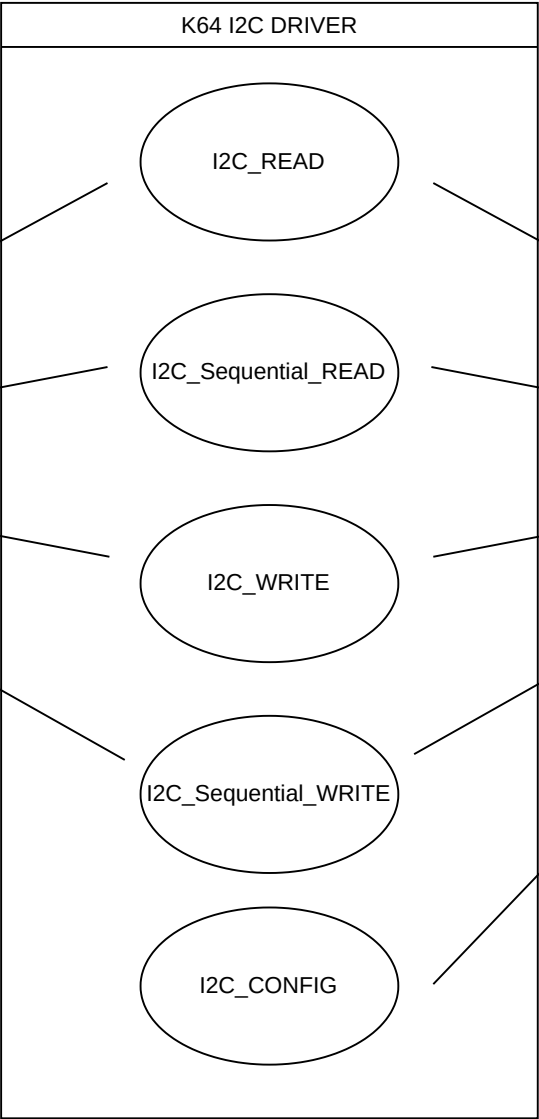
Generic Device driver is organized in to multiple seperate file for the sake of easy porting/ reusing



I2C Configuriation
Set as master
Set as slave
Set clock speed
Address bits (7 Or 10)



I2C DEVICE DRIVERS



Use Case Diagram

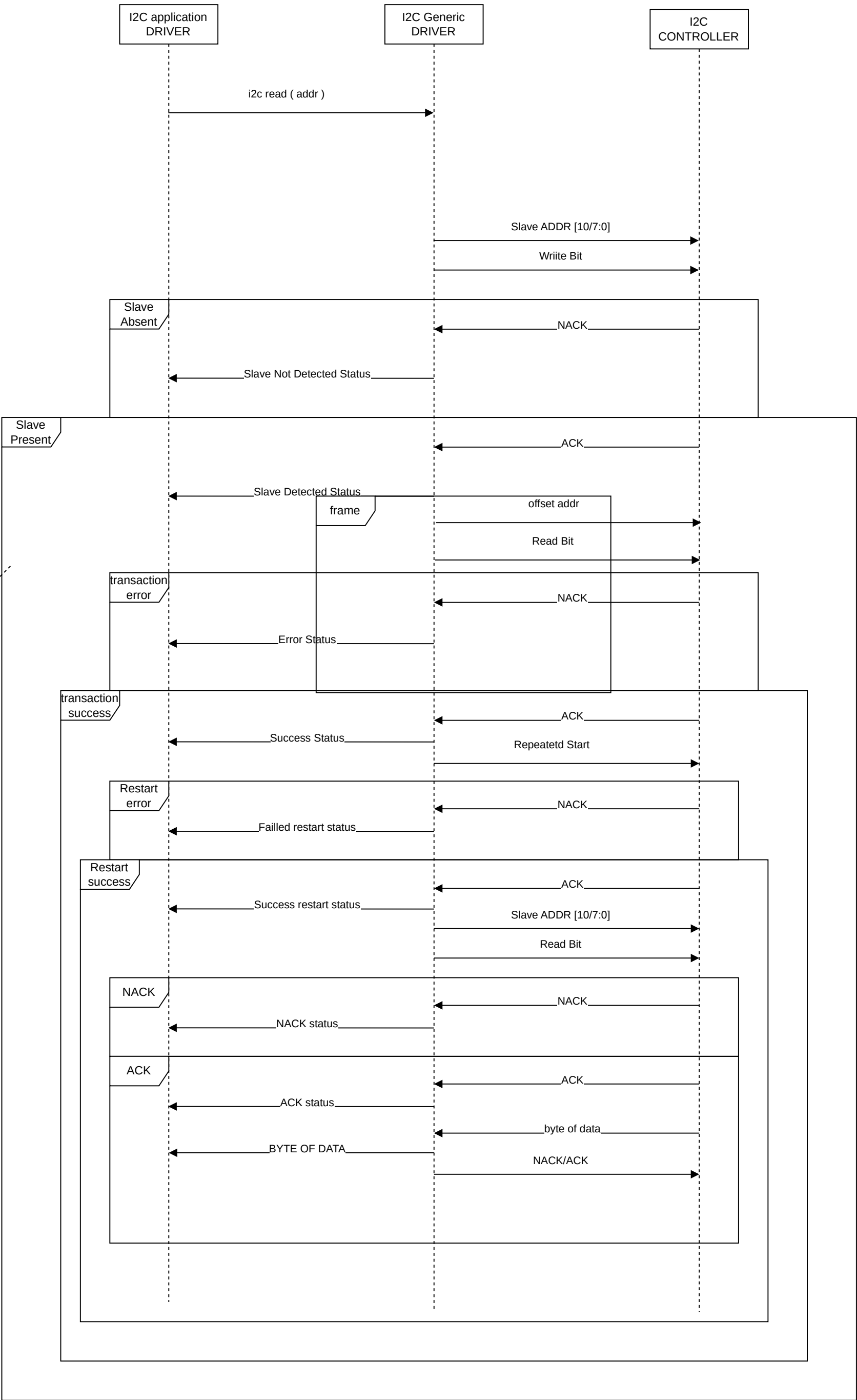
Generic Device i2c driver should contain all posible capabilities abstracted that supported by i2c protocol

I2C_READ

I2C Normal Read , Slave Address, offset address should be passed

I2C Application Drivers provides an i2c device specific (EEPROM, Temp Sensor, Oled Display ..etc) APIs

I2C Generic Drivers is used to provide all functionality (read, write..etc) that can be used by the i2c protocol



I2C_Read flow chart

I2C Normal Read , Slave Address, offset address should be passed

