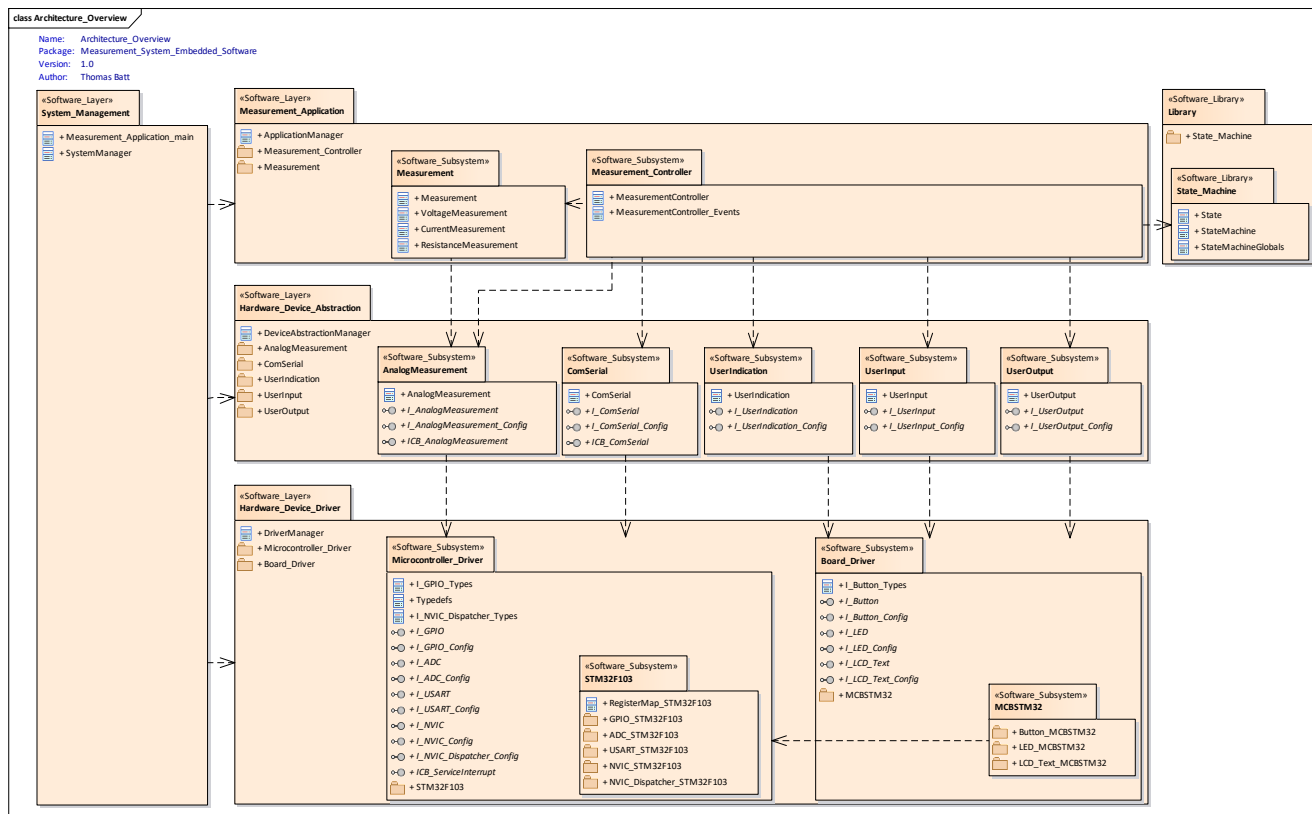
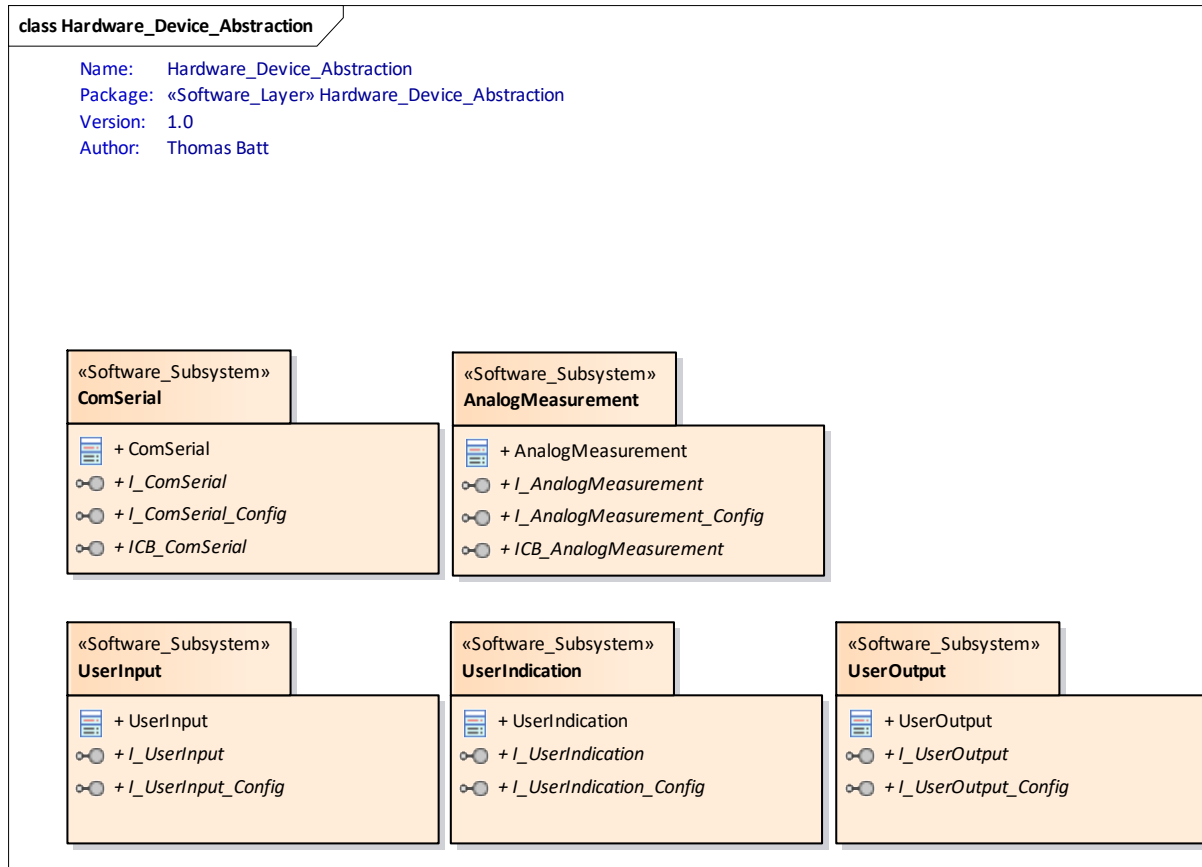


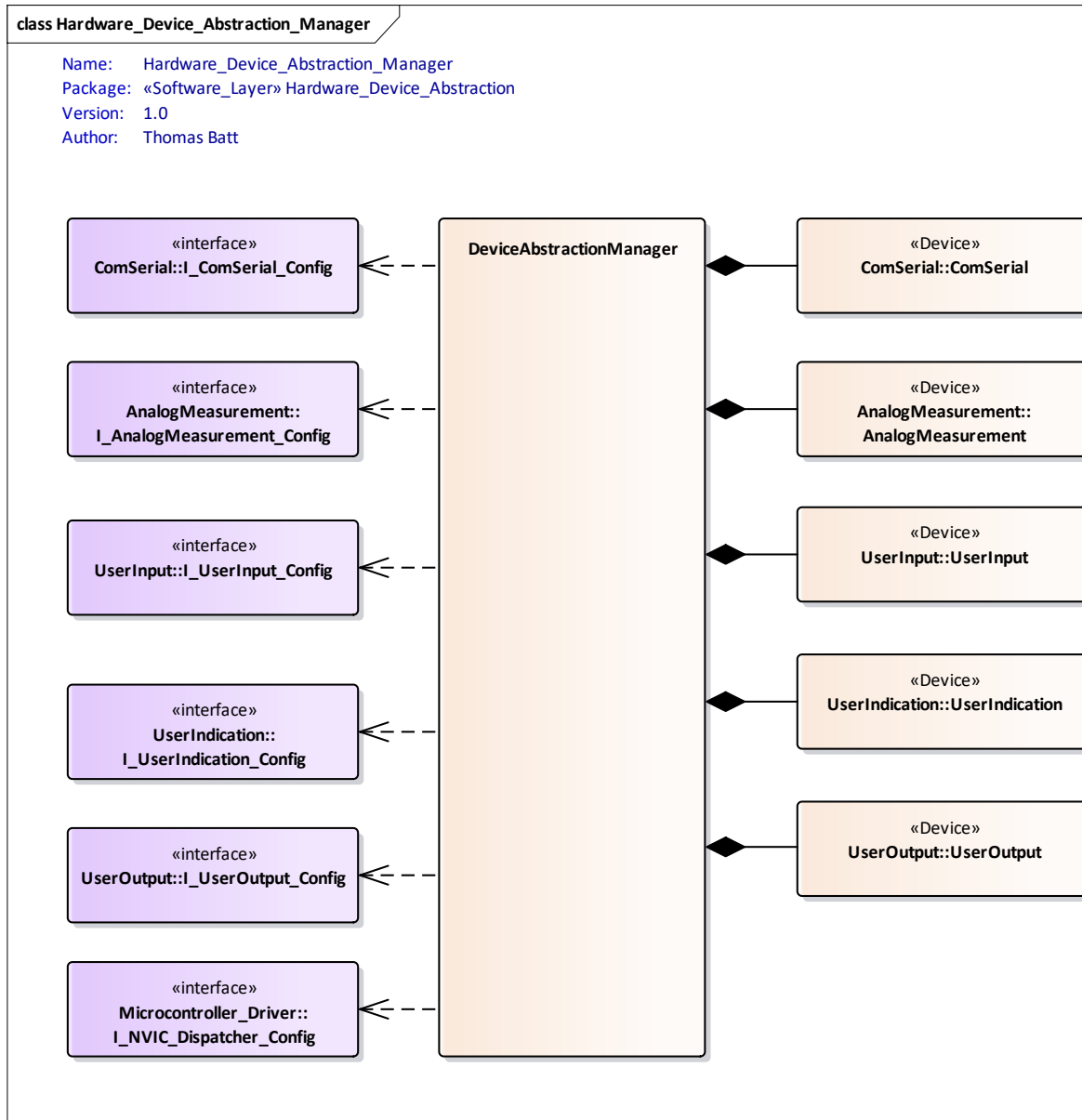
### Diagram: Architecture\_Overview



## Diagram: Hardware\_Device\_Abstraction



## Diagram: Hardware\_Device\_Abstraction\_Manager



**Diagram: Hardware\_Device\_Abstraction\_Manager\_extended**

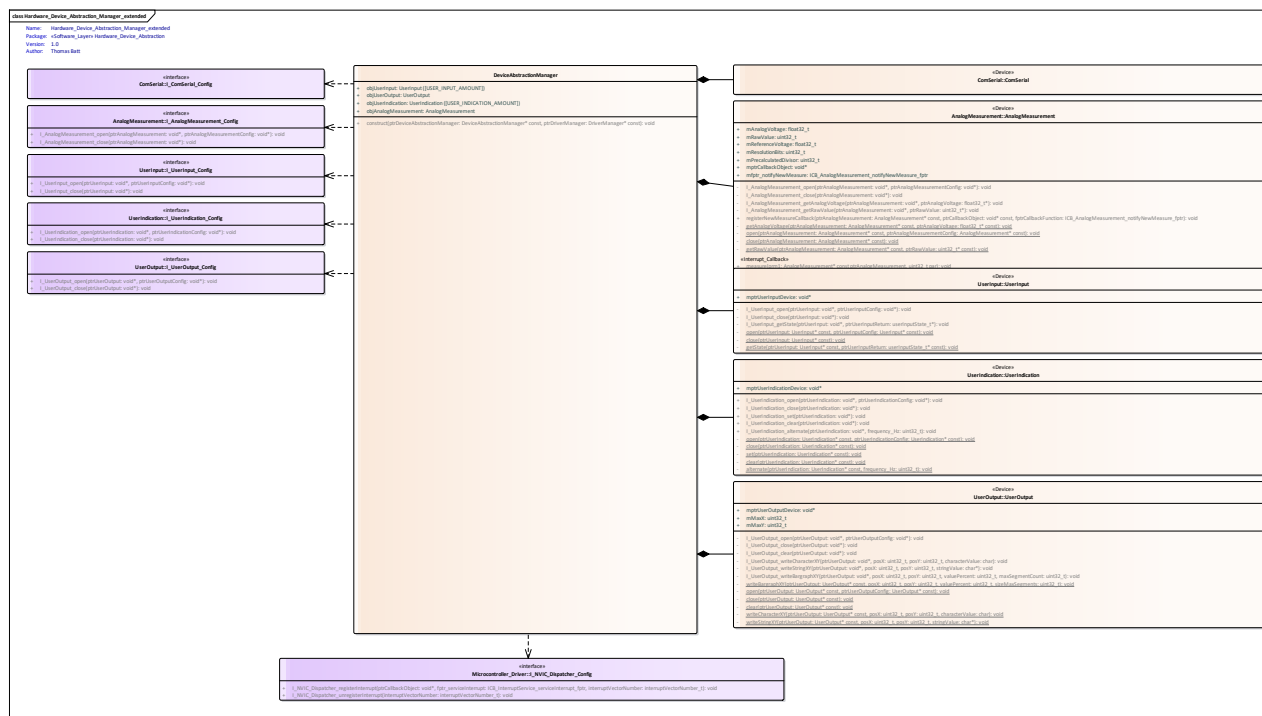
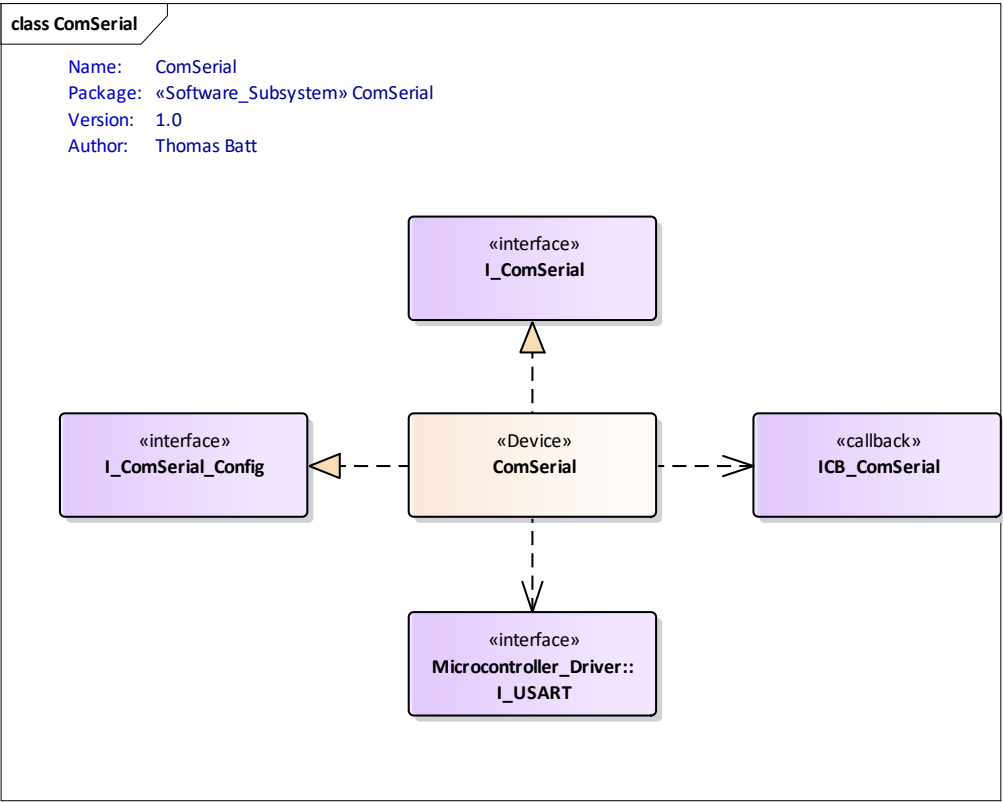
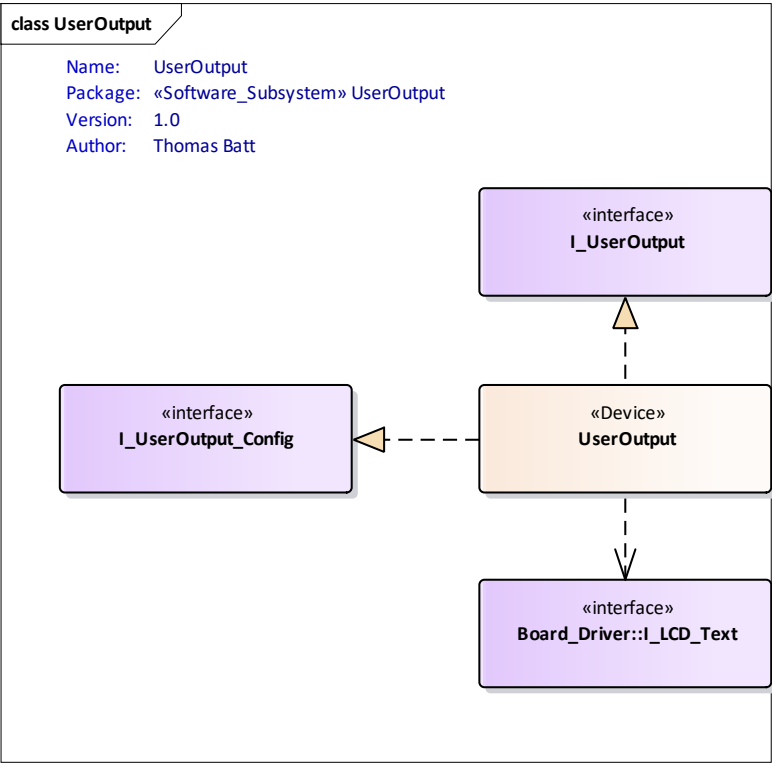


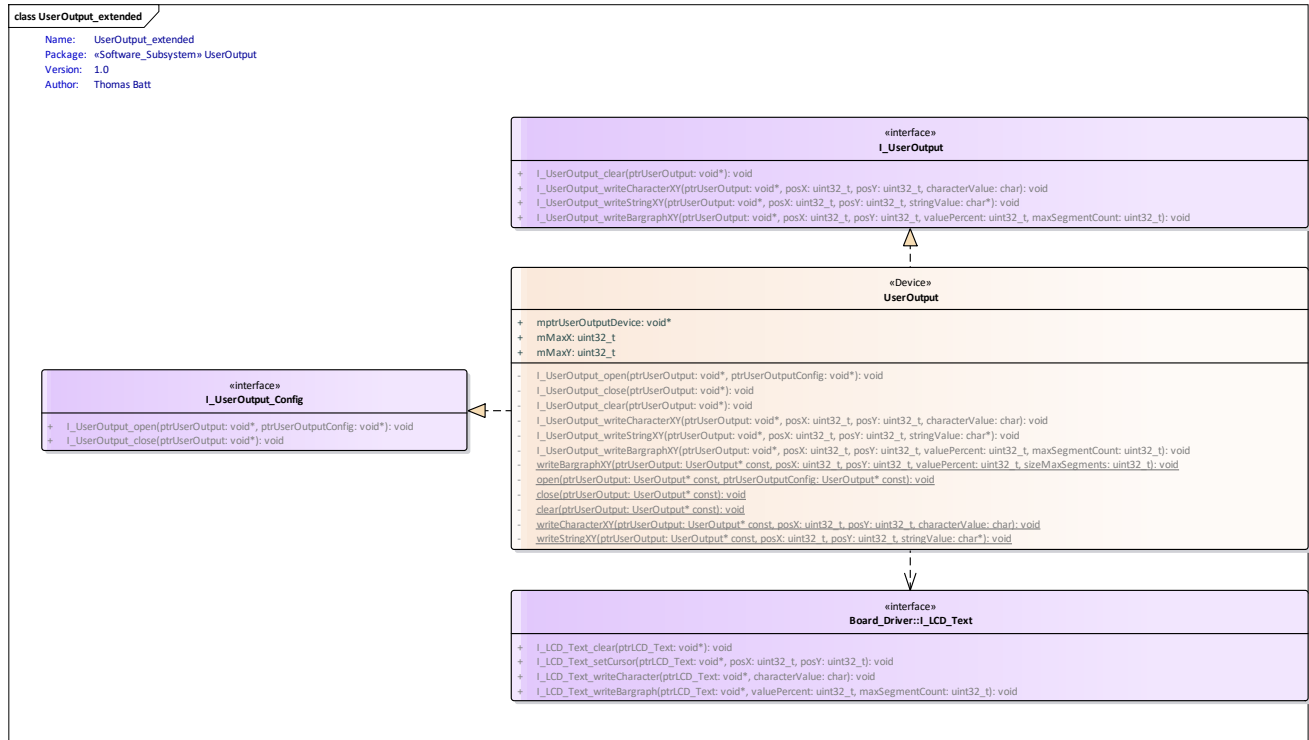
Diagram: ComSerial



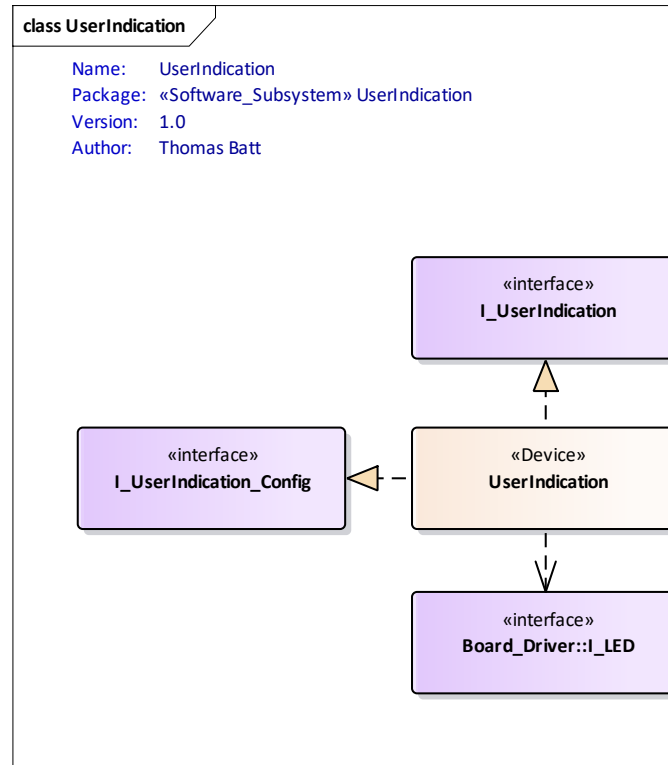
**Diagram: UserOutput**



## Diagram: UserOutput\_extended



## Diagram: UserIndication





## Diagram: UserIndication\_extended

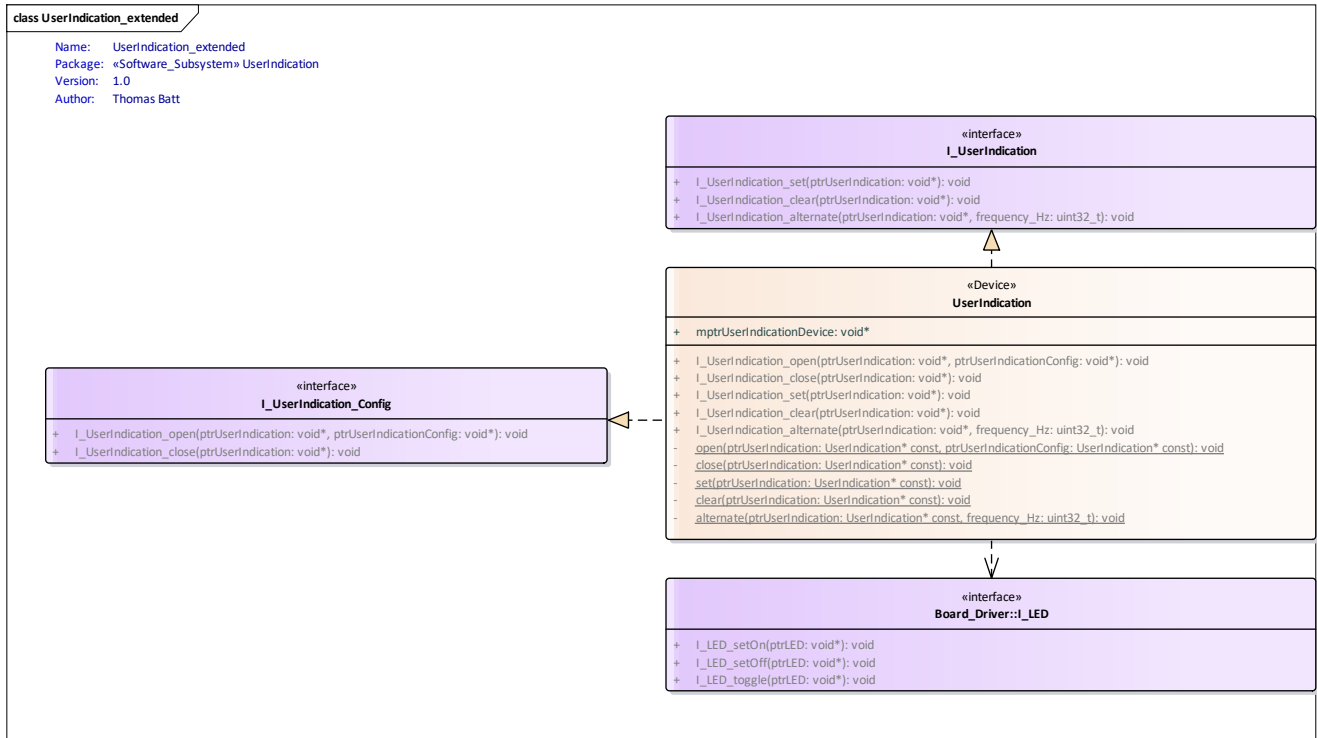
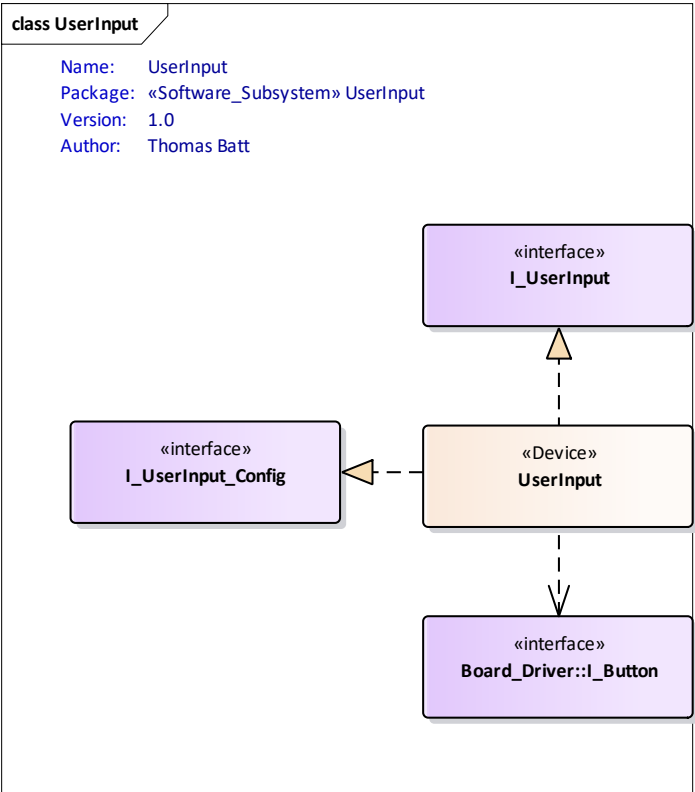
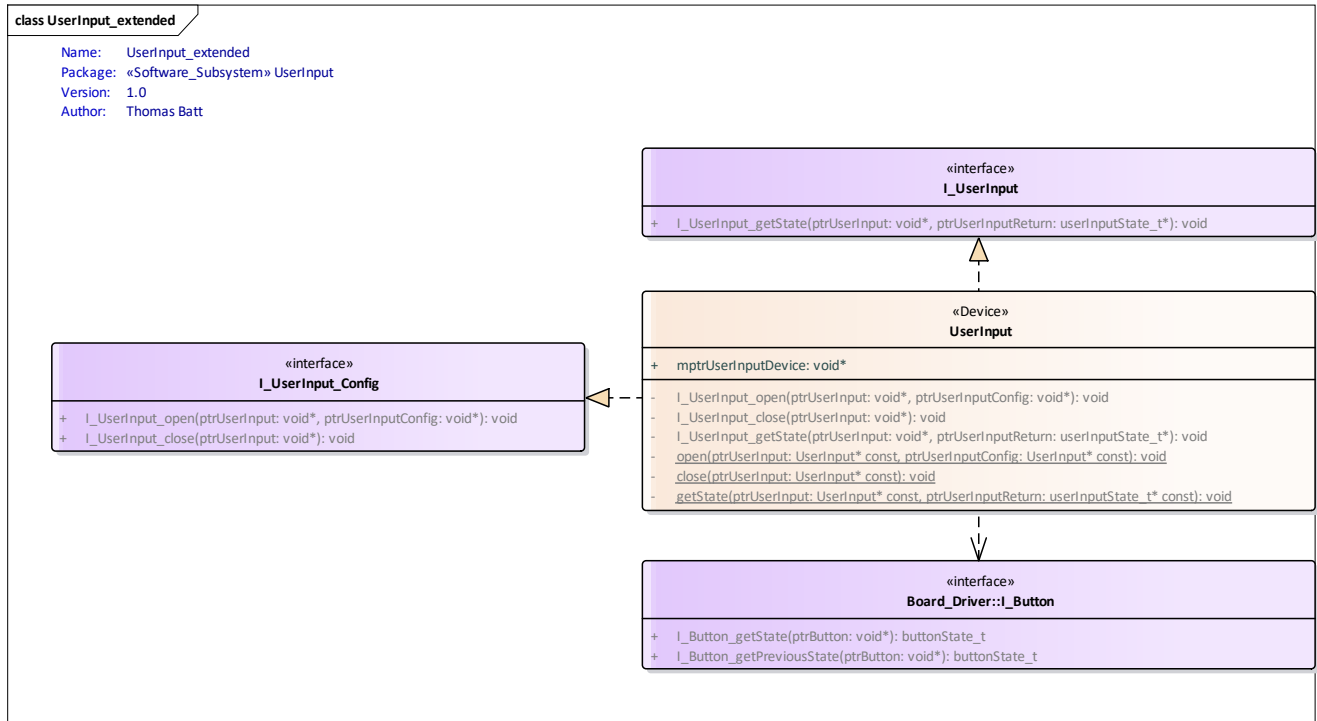


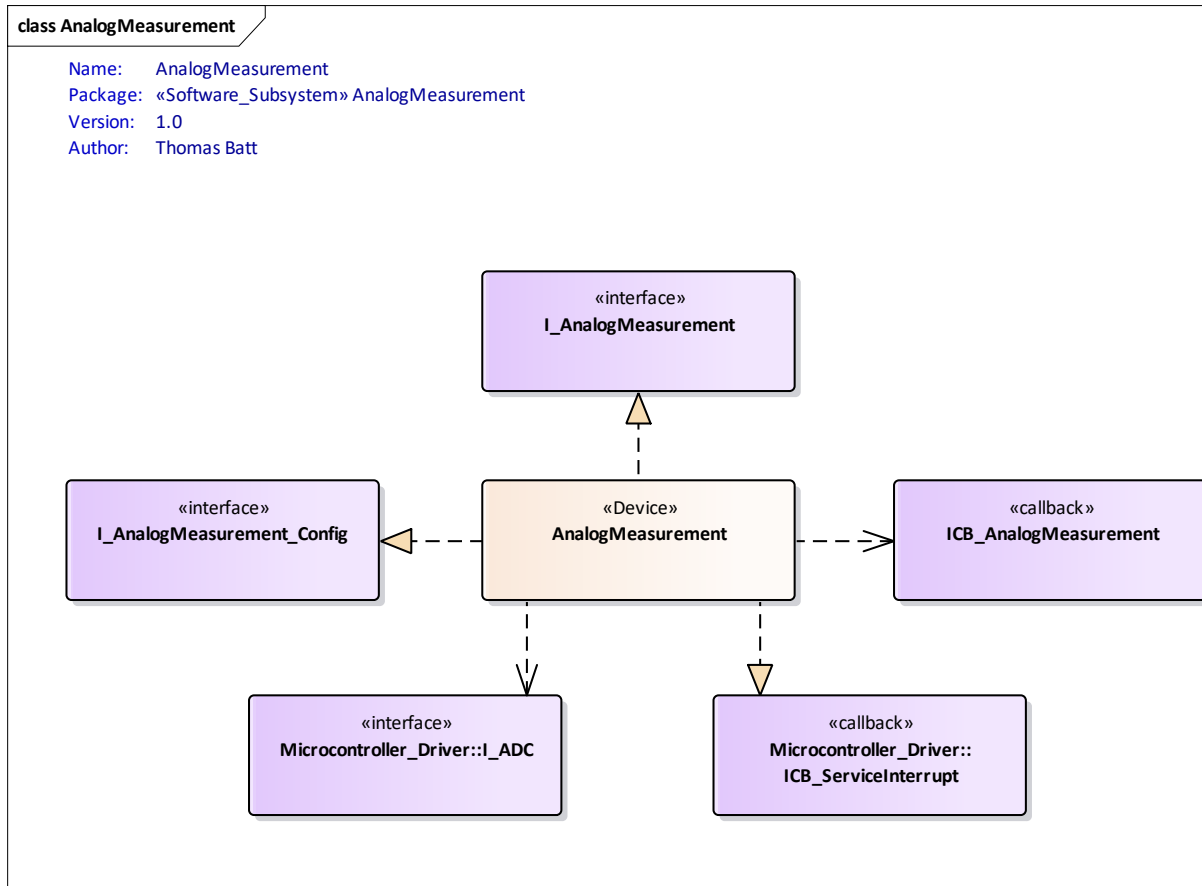
Diagram: UserInput



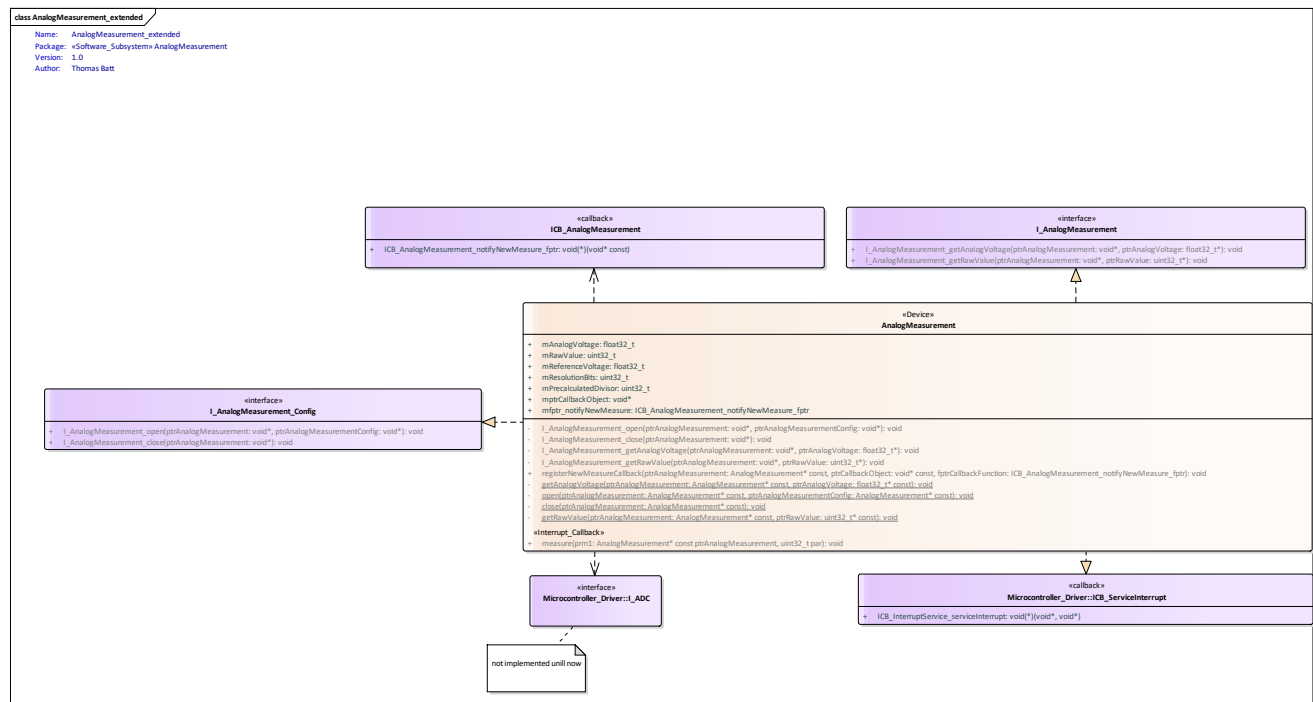
## Diagram: UserInput\_extended



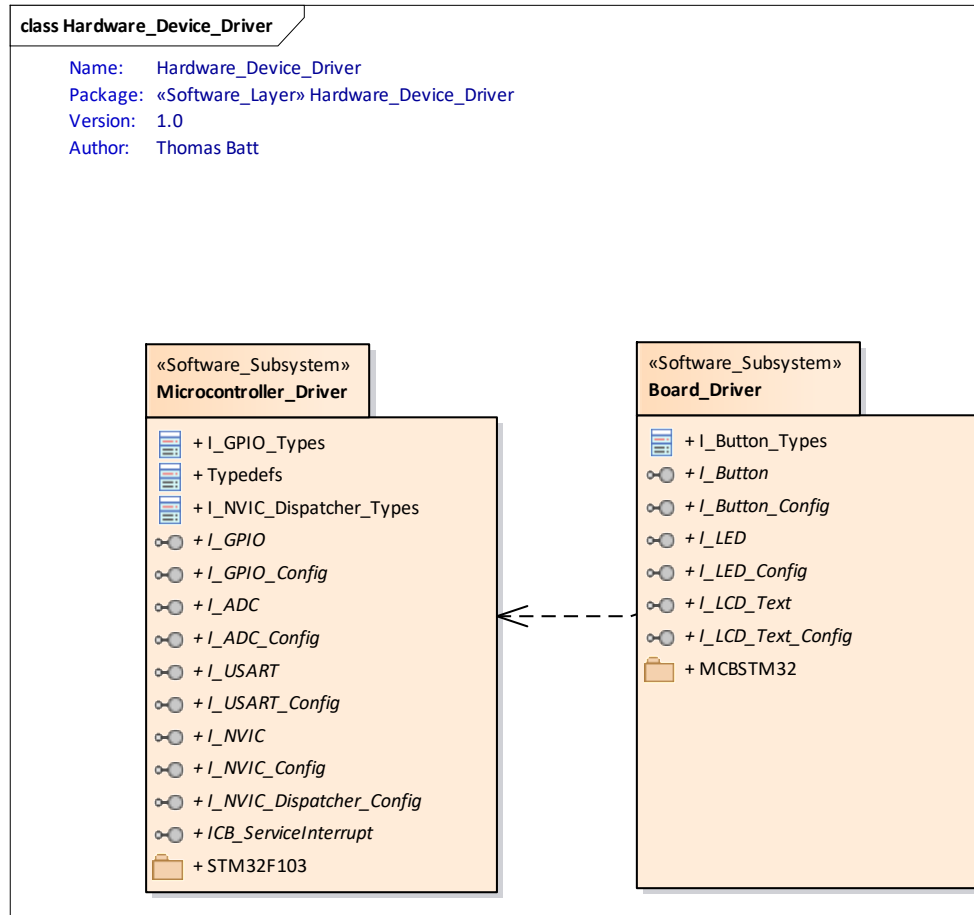
## Diagram: AnalogMeasurement



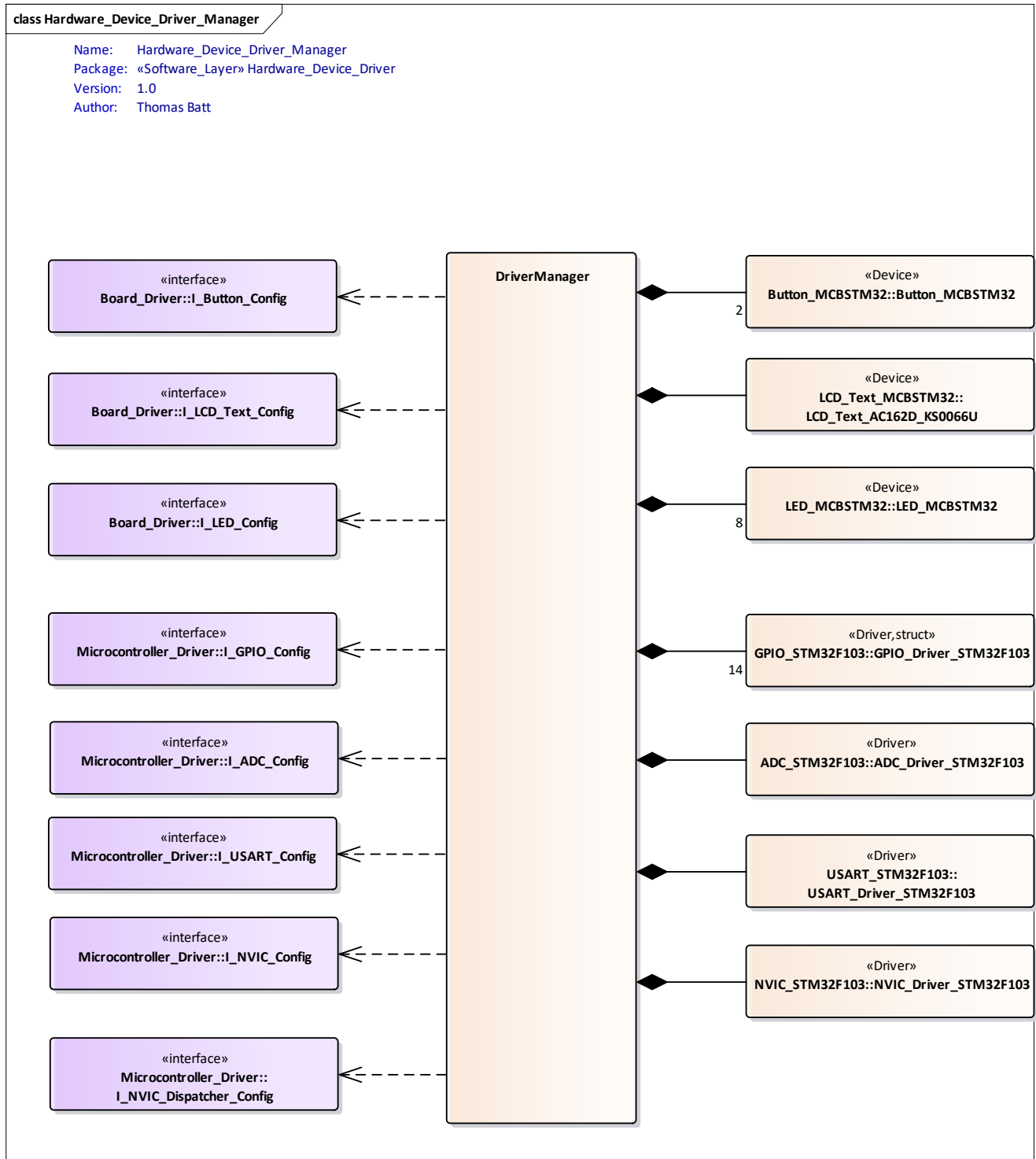
# Diagram: AnalogMeasurement\_extended



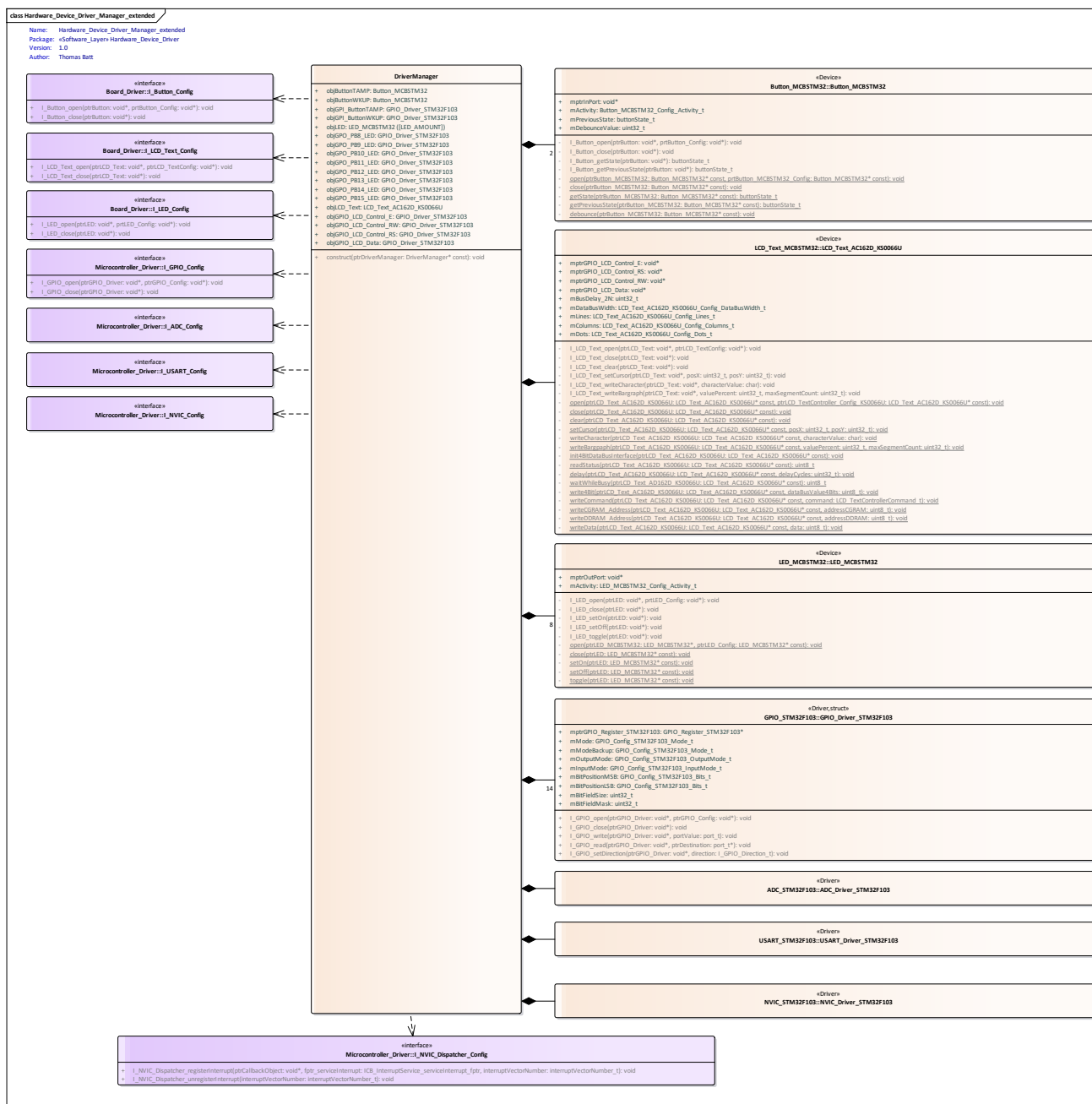
## Diagram: Hardware\_Device\_Driver



## Diagram: Hardware\_Device\_Driver\_Manager

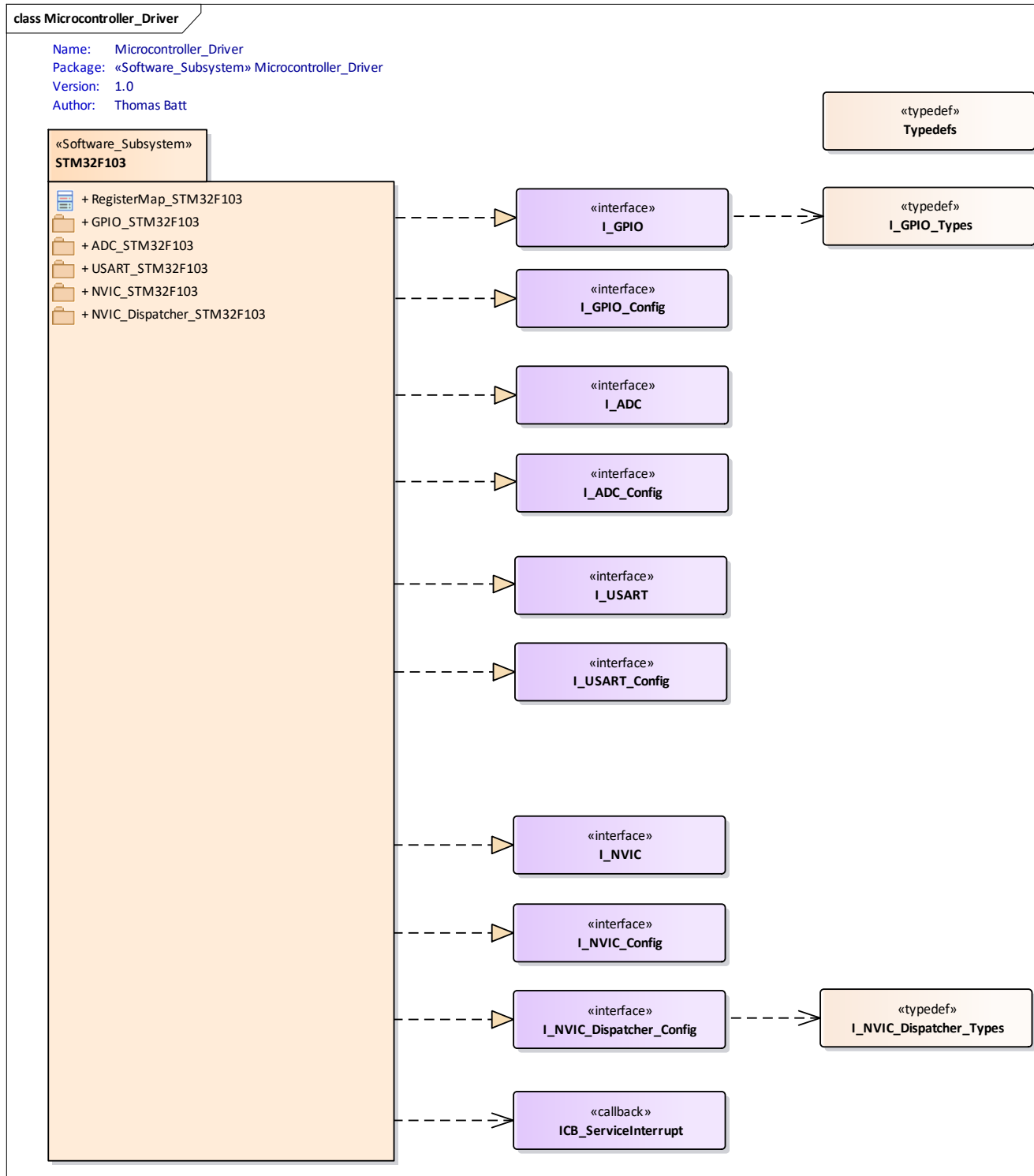


### Diagram: Hardware\_Device\_Driver\_Manager\_extended

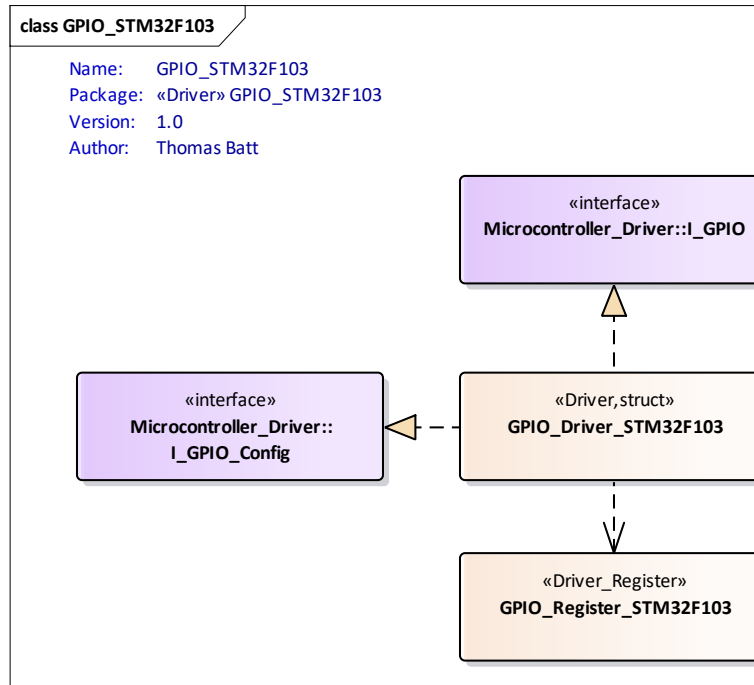




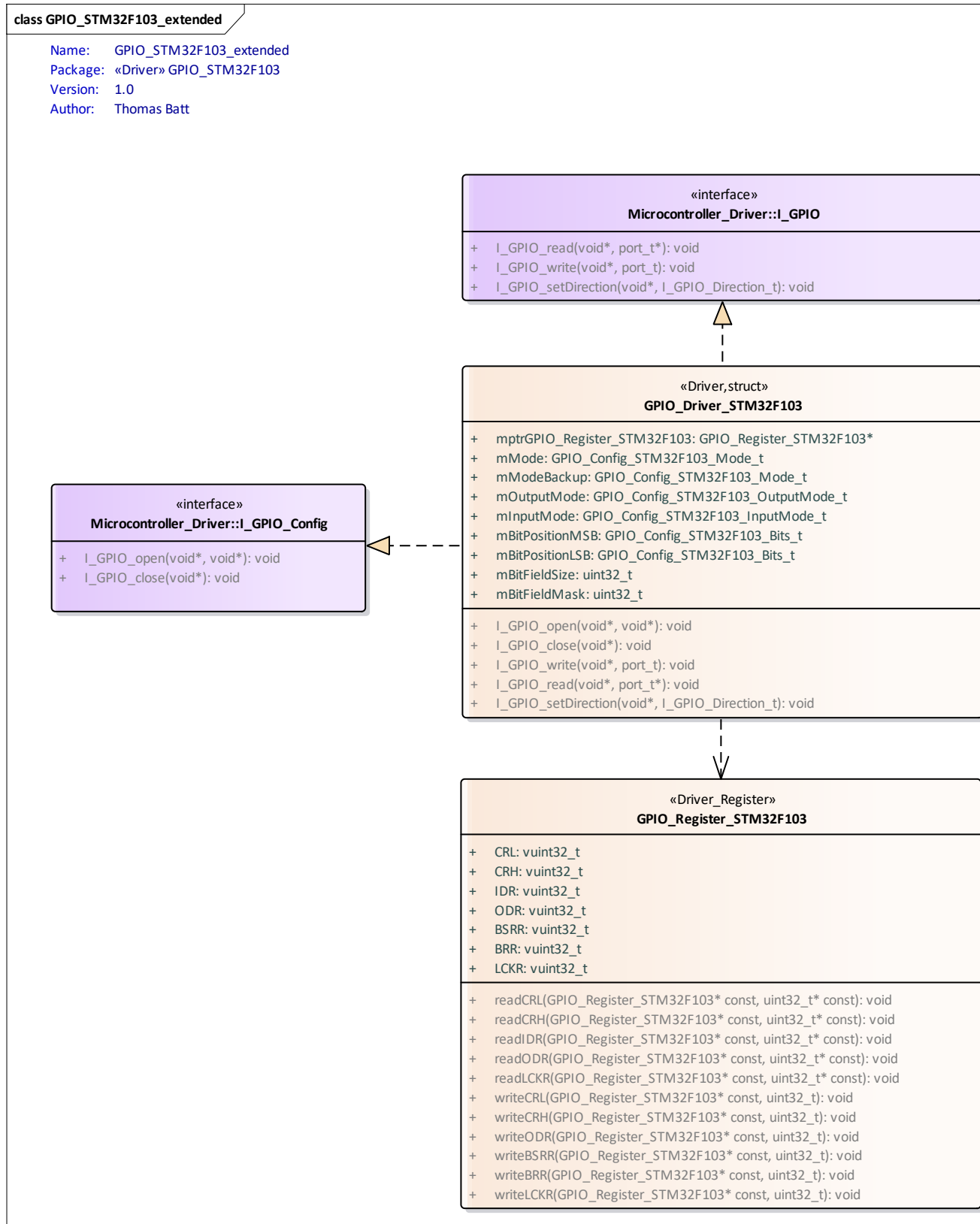
## Diagram: Microcontroller\_Driver



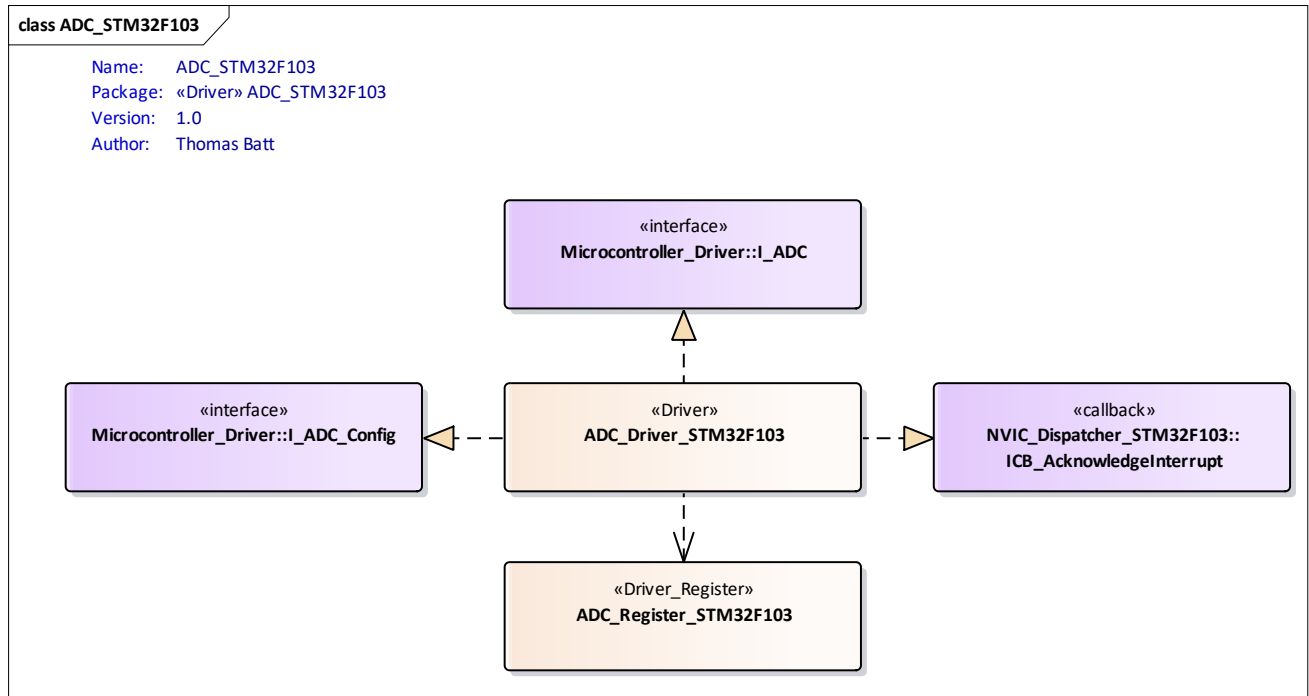
## Diagram: GPIO\_STM32F103



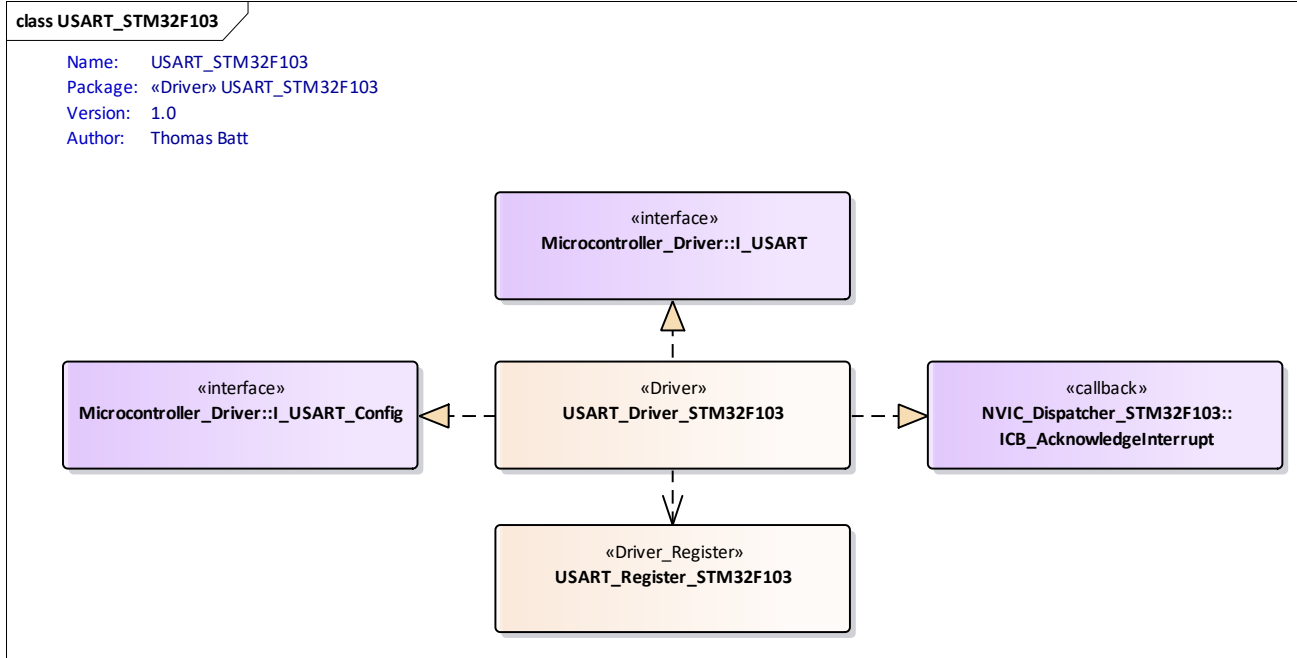
## Diagram: GPIO\_STM32F103\_extended



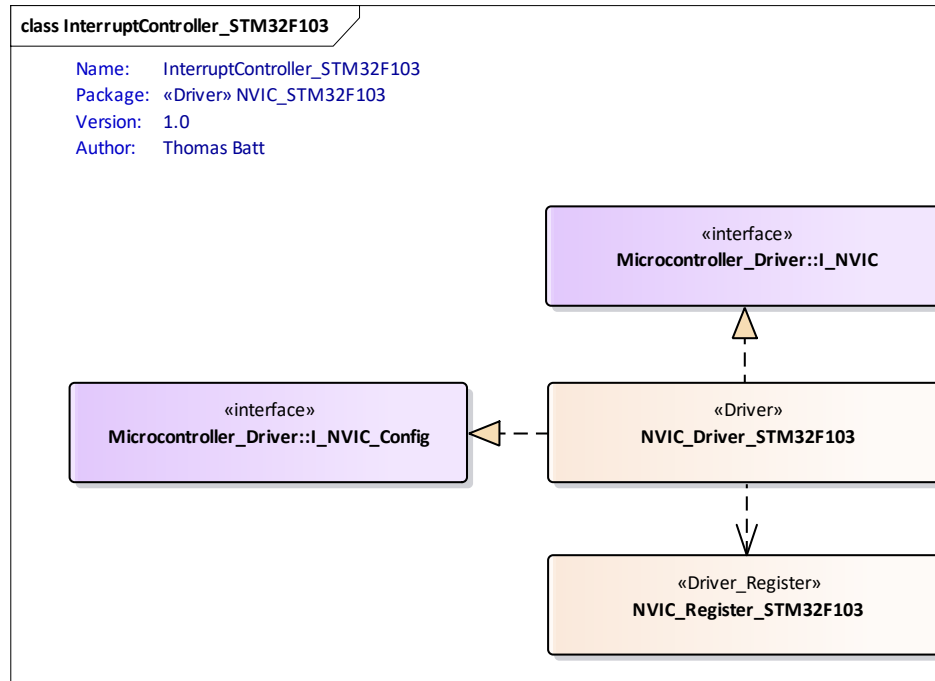
## Diagram: ADC\_STM32F103



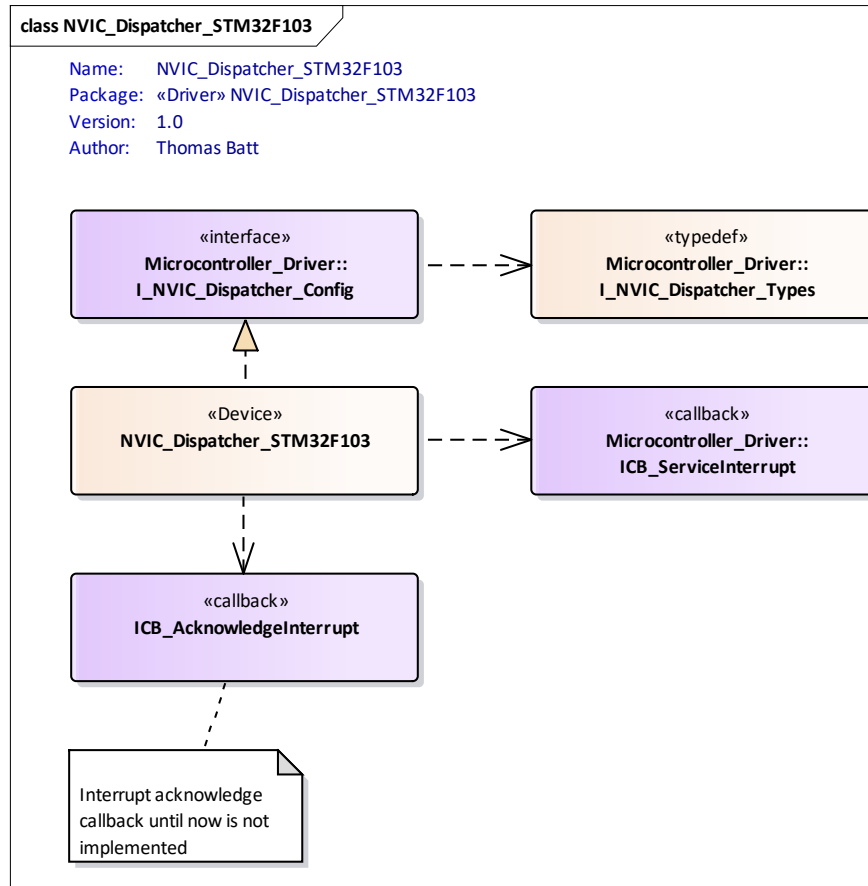
## Diagram: USART\_STM32F103



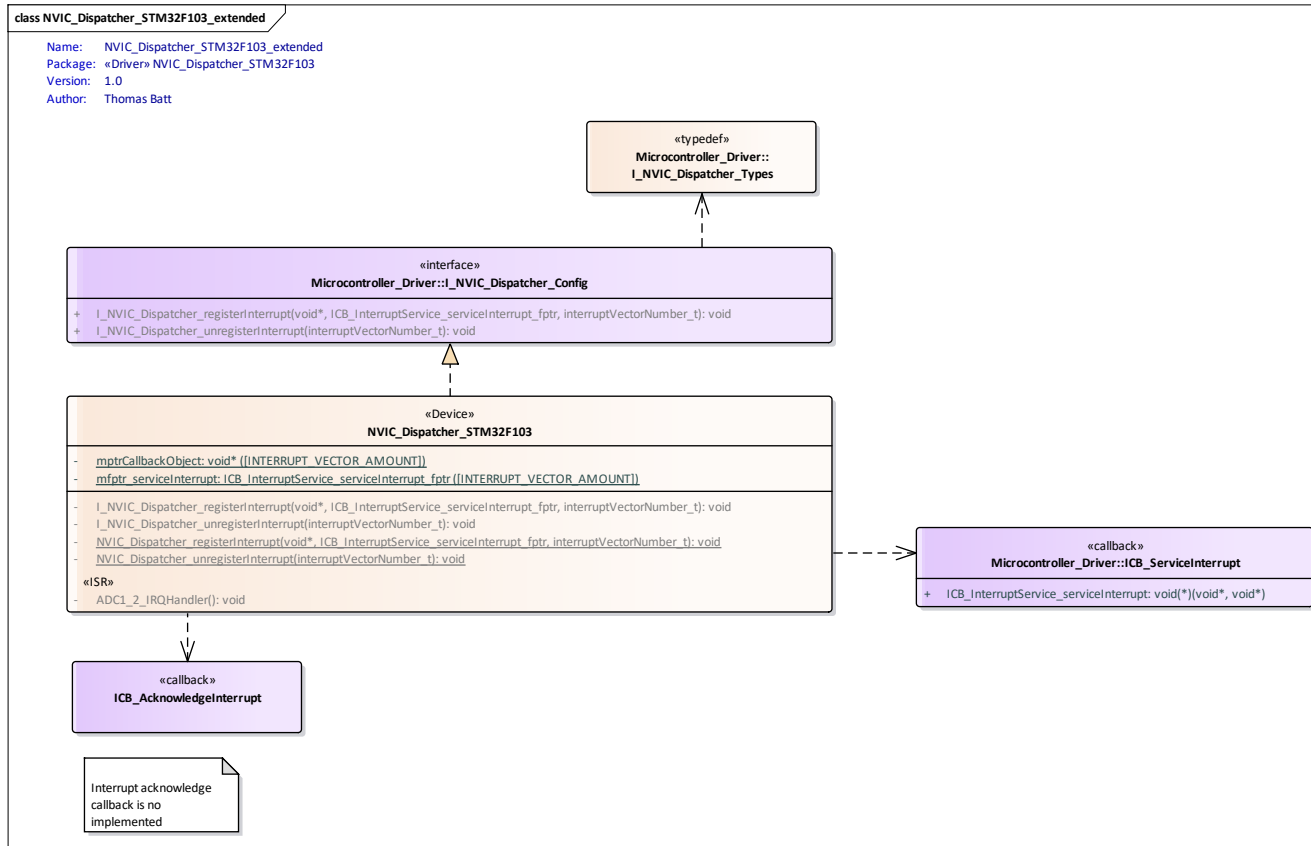
## Diagram: InterruptController\_STM32F103



## Diagram: NVIC\_Dispatcher\_STM32F103

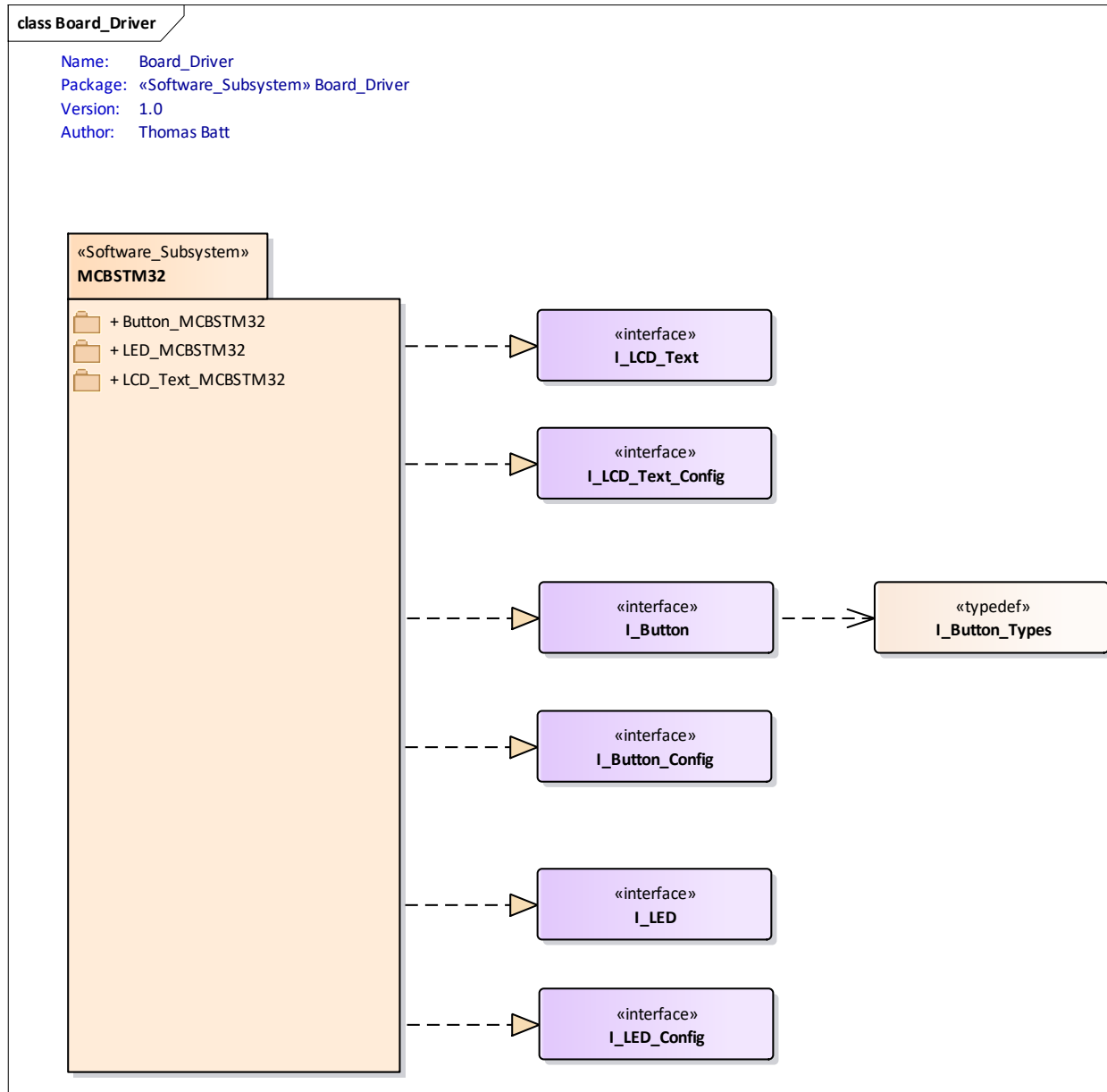


## Diagram: NVIC\_Dispatcher\_STM32F103\_extended

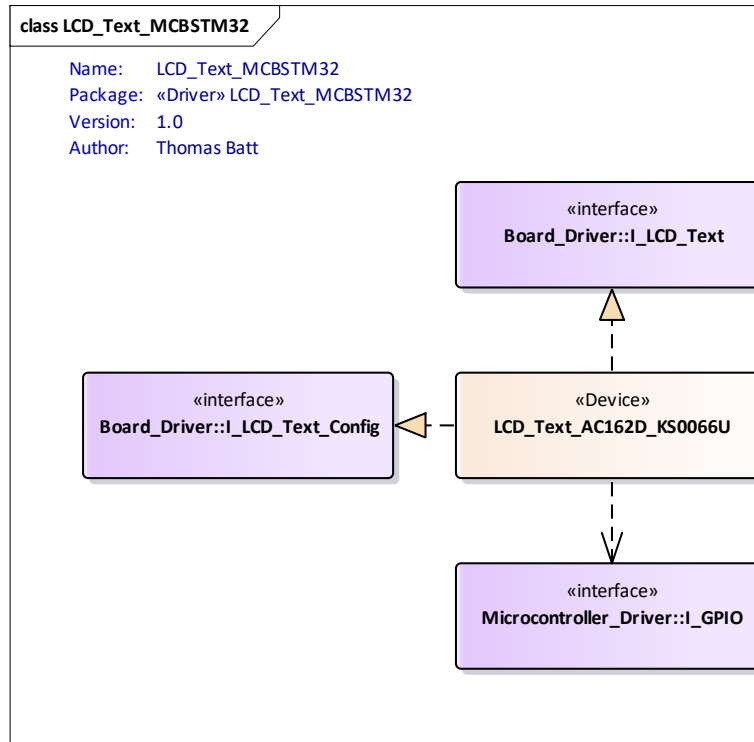




## Diagram: Board\_Driver



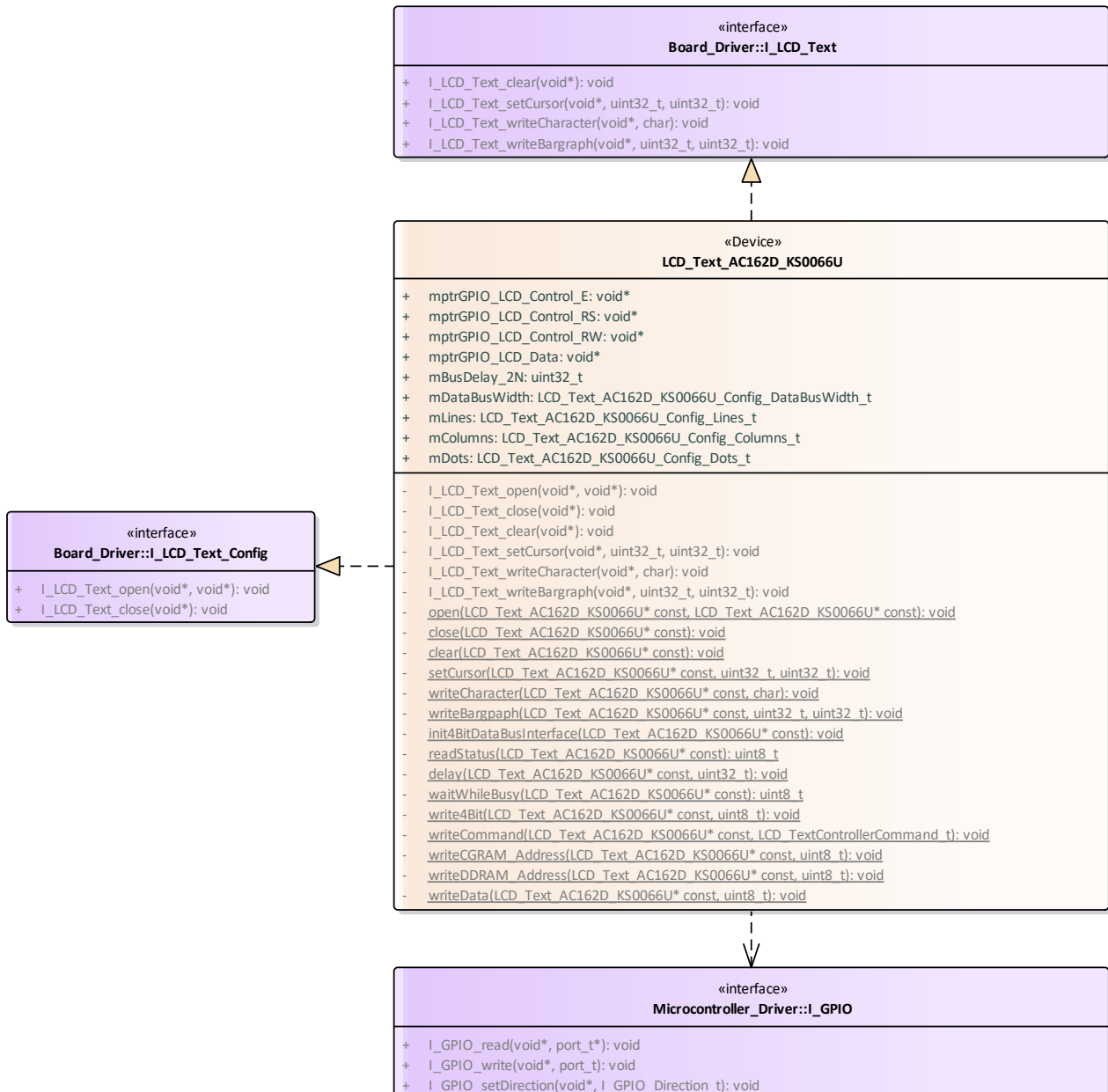
## Diagram: LCD\_Text\_MCBSTM32



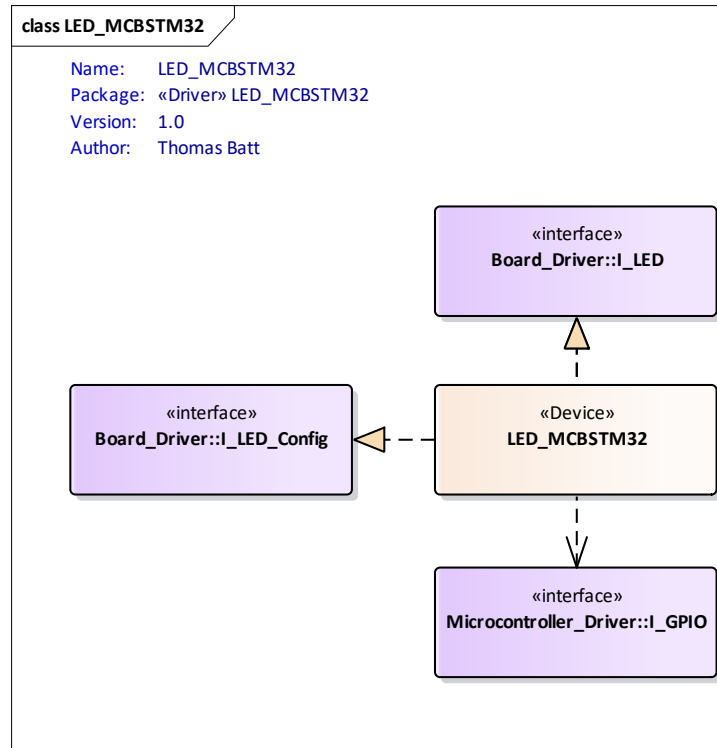
## Diagram: LCD\_Text\_MCBSTM32\_extended

class LCD\_Text\_MCBSTM32\_extended

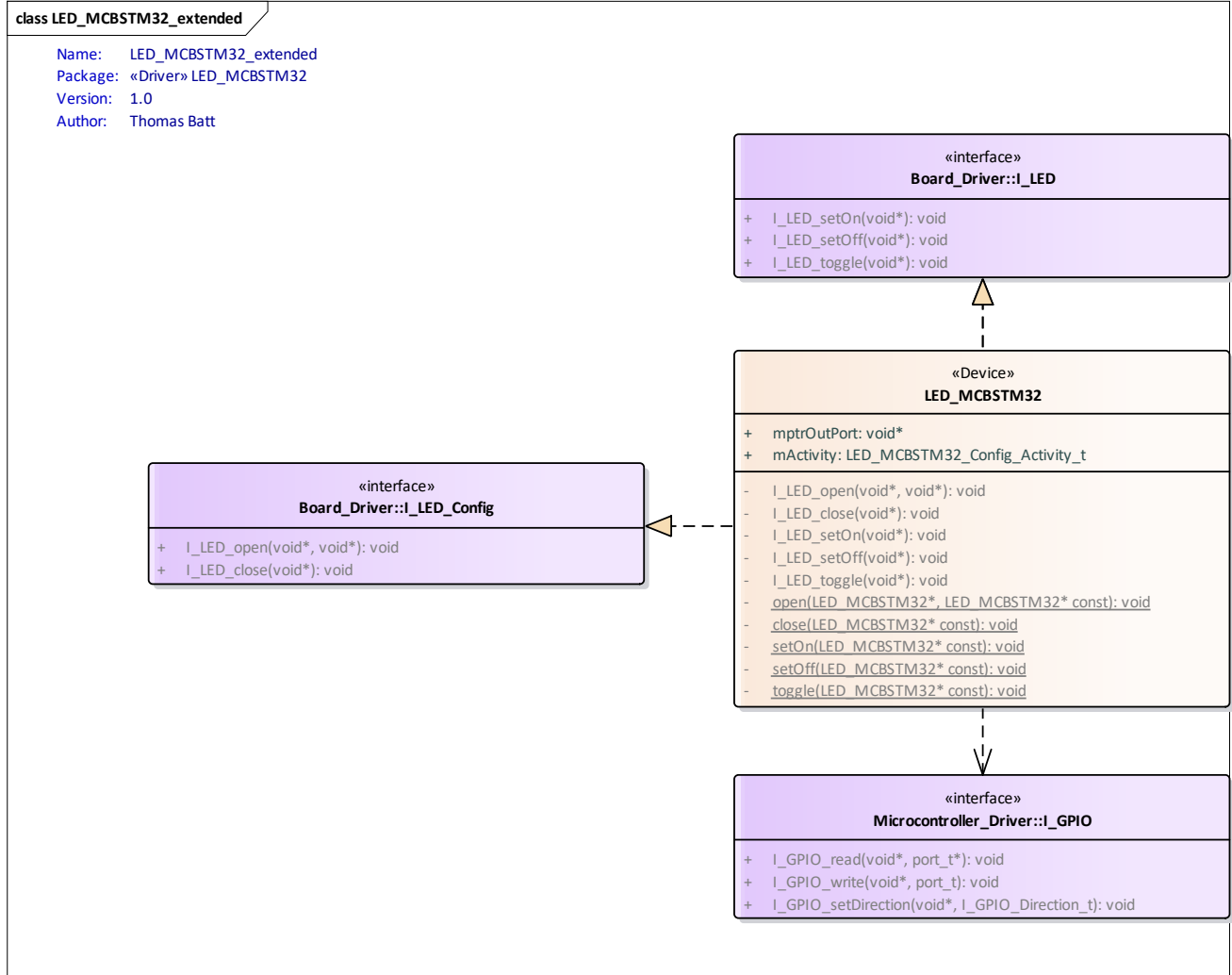
Name: LCD\_Text\_MCBSTM32\_extended  
Package: «Driver» LCD\_Text\_MCBSTM32  
Version: 1.0  
Author: Thomas Batt



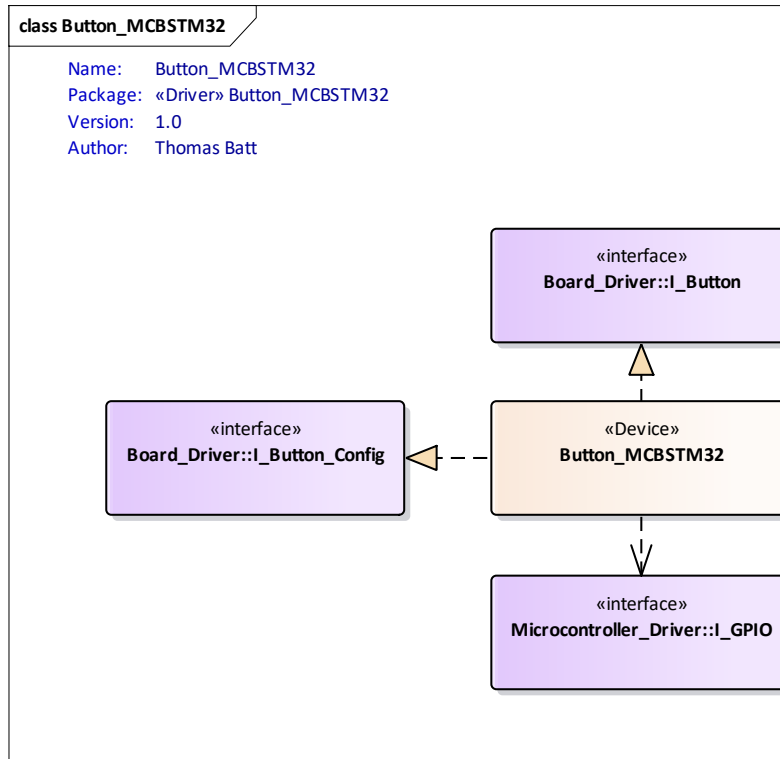
## Diagram: LED\_MCBSTM32



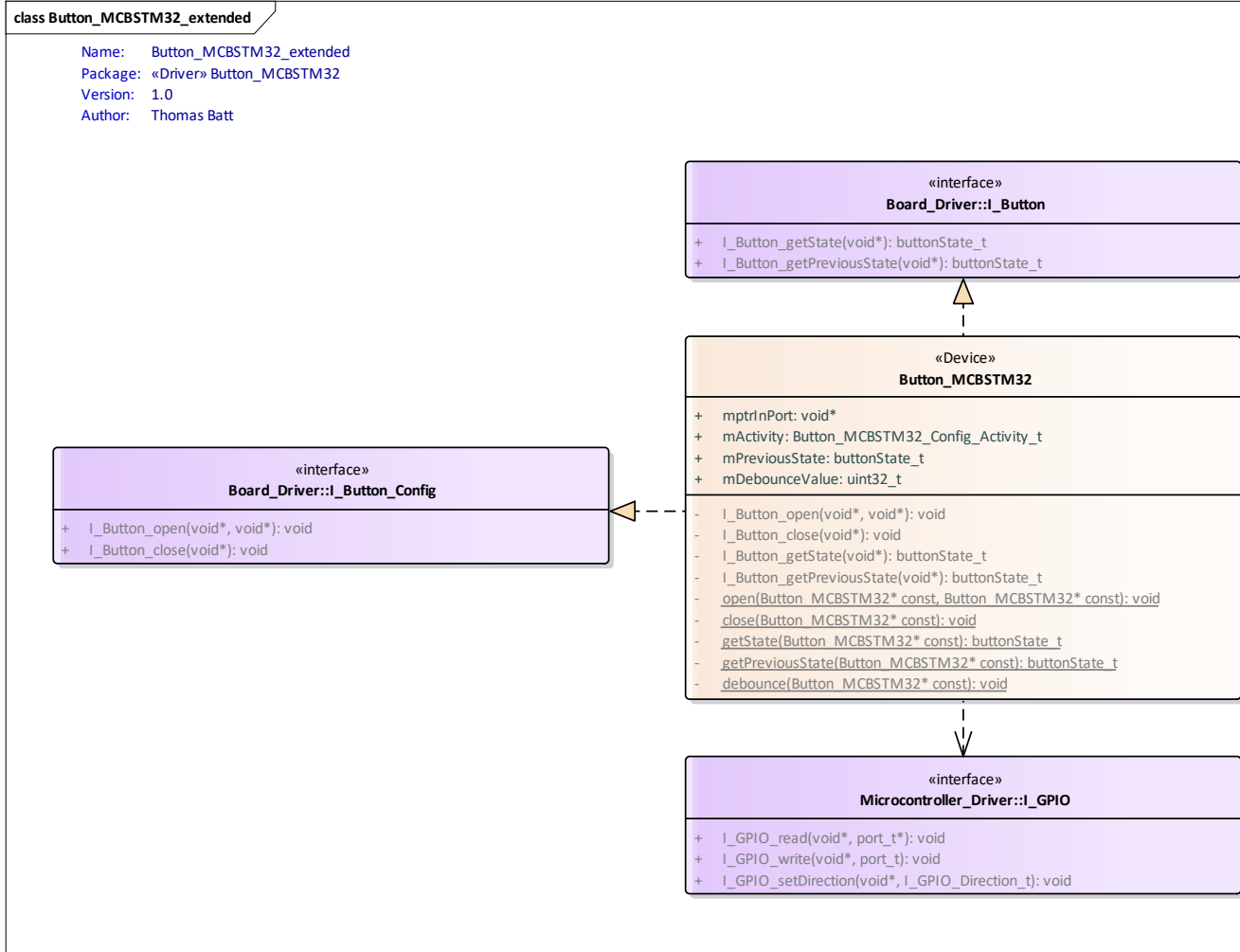
## Diagram: LED\_MCBSTM32\_extended



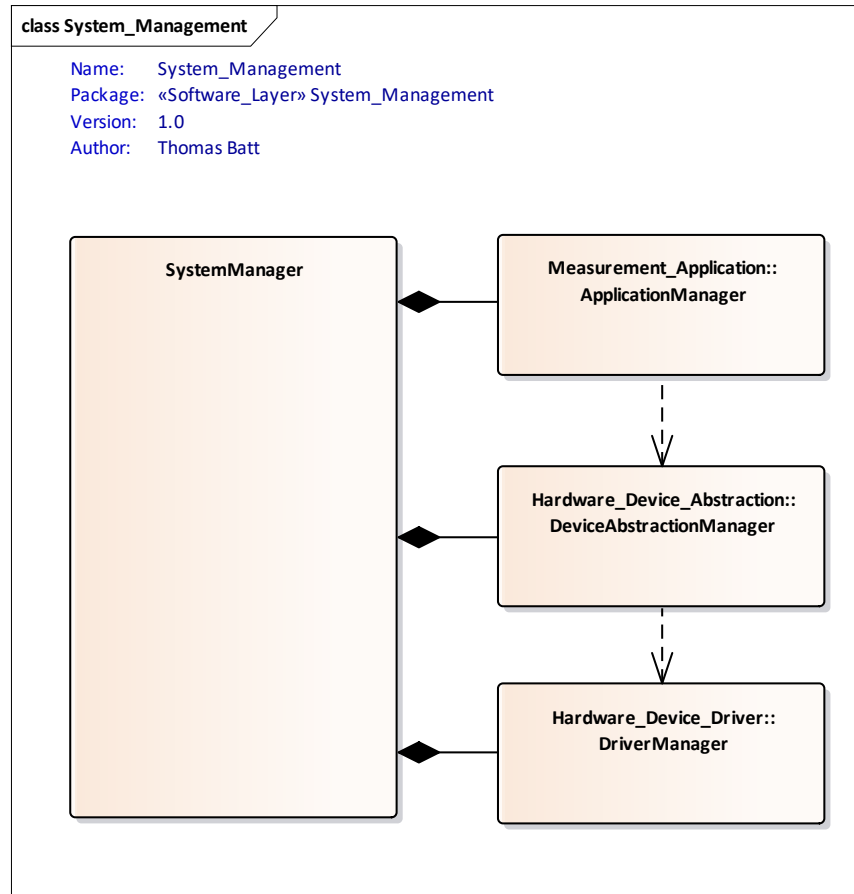
## Diagram: Button\_MCBSTM32



## Diagram: Button\_MCBSTM32\_extended

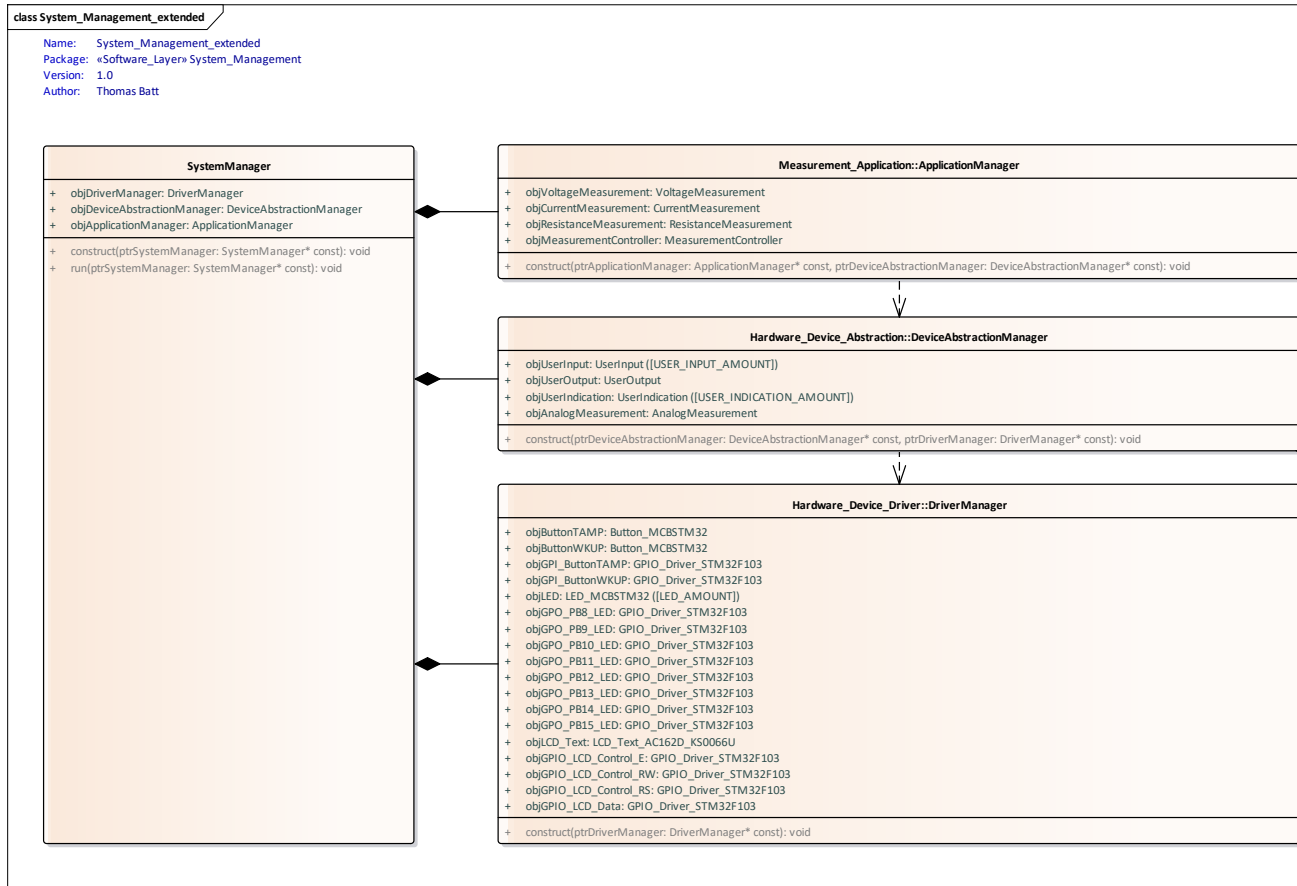


## Diagram: System\_Management

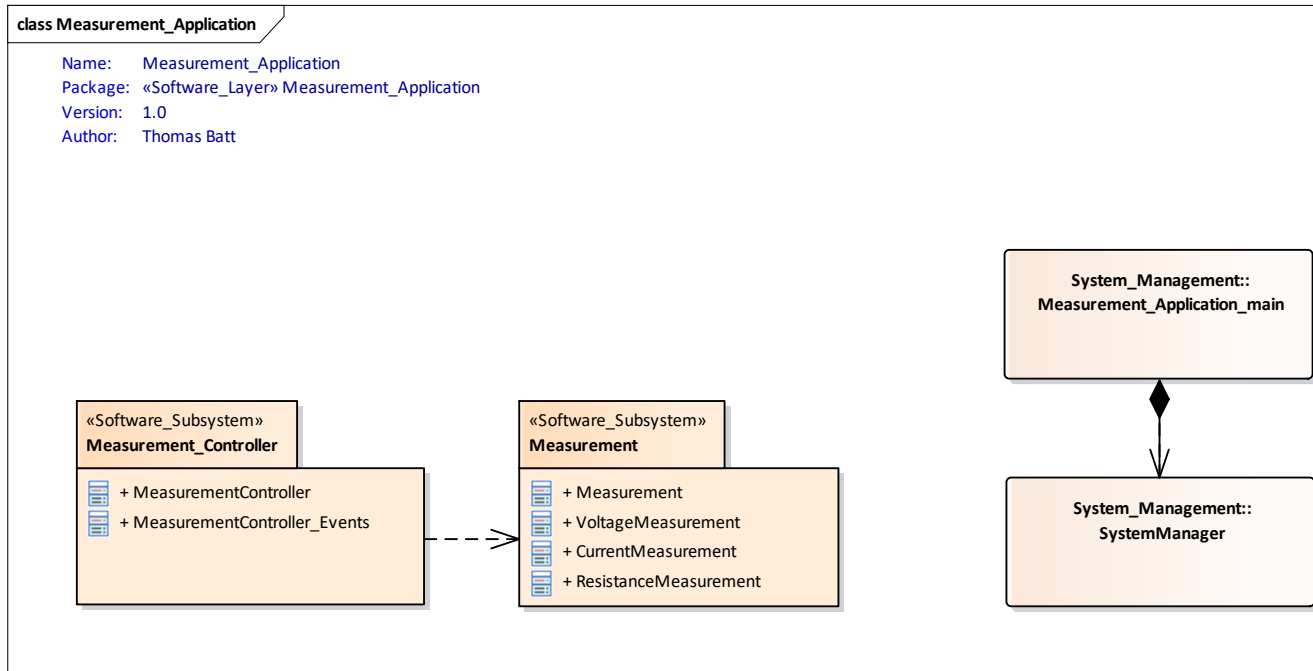




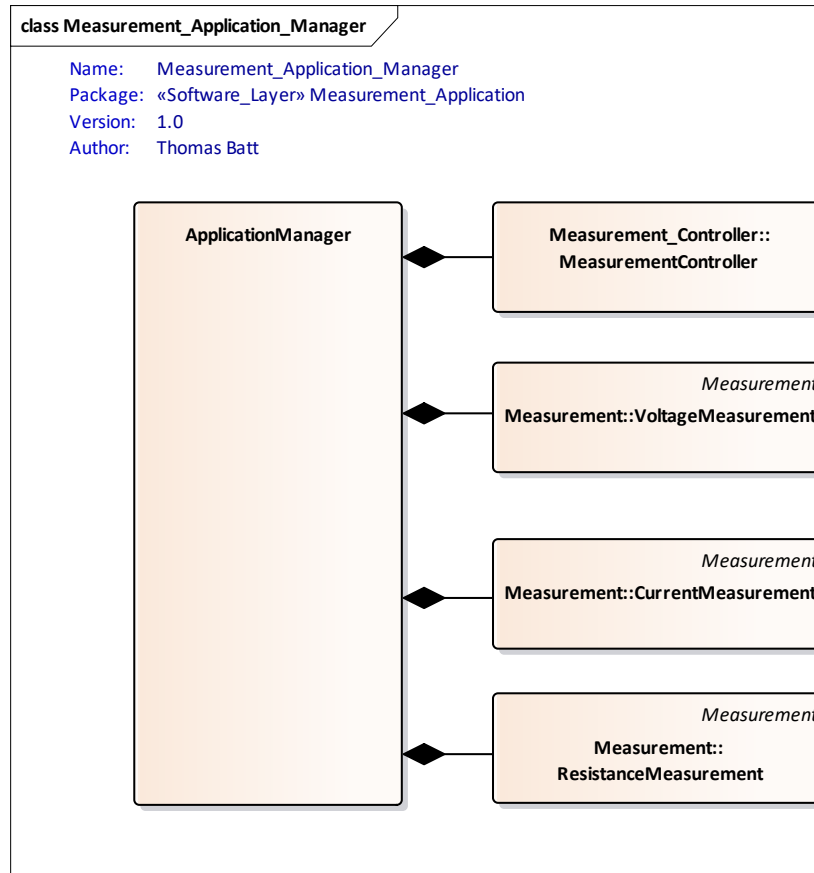
## Diagram: System\_Management\_extended



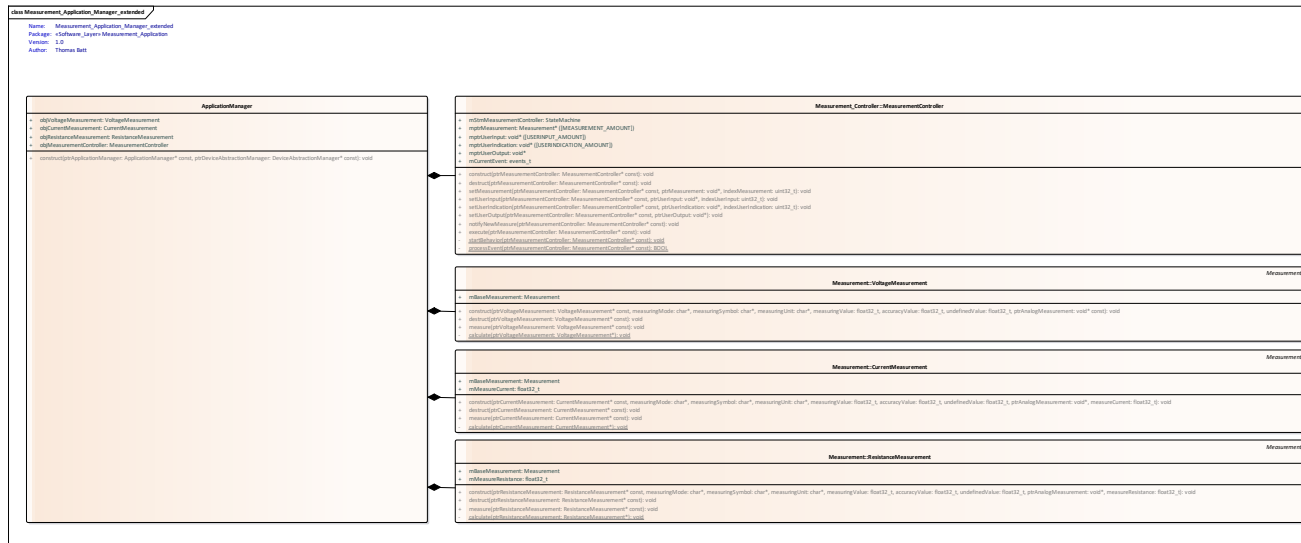
## Diagram: Measurement\_Application



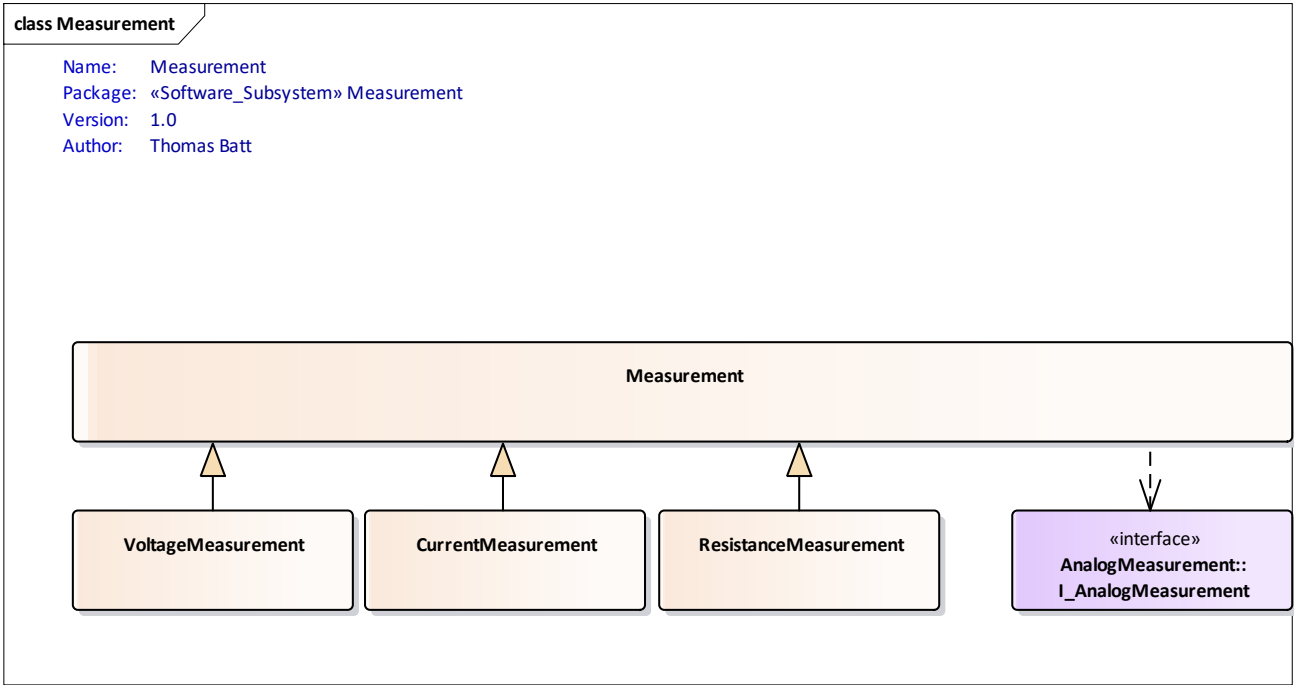
## Diagram: Measurement\_Application\_Manager



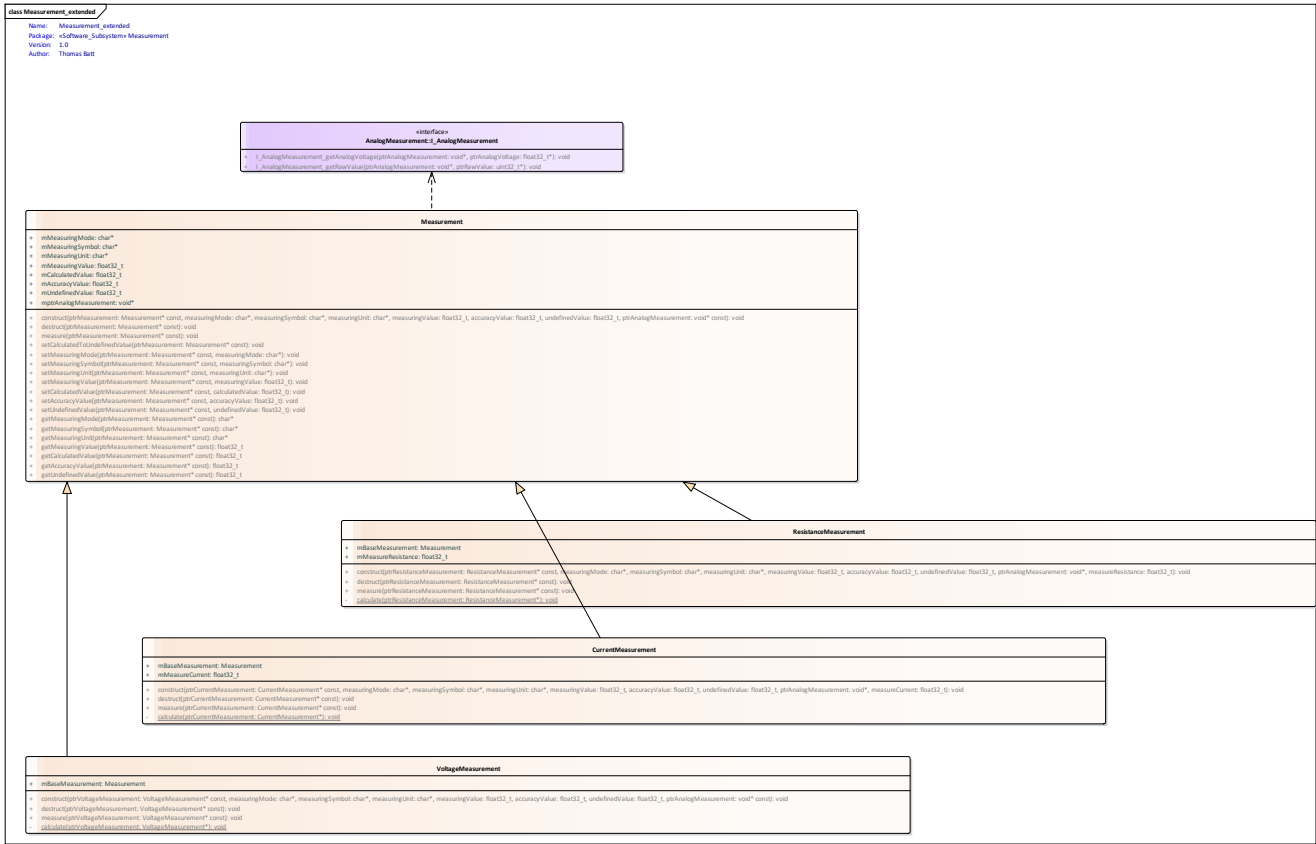
**Diagram: Measurement\_Application\_Manager\_extended**



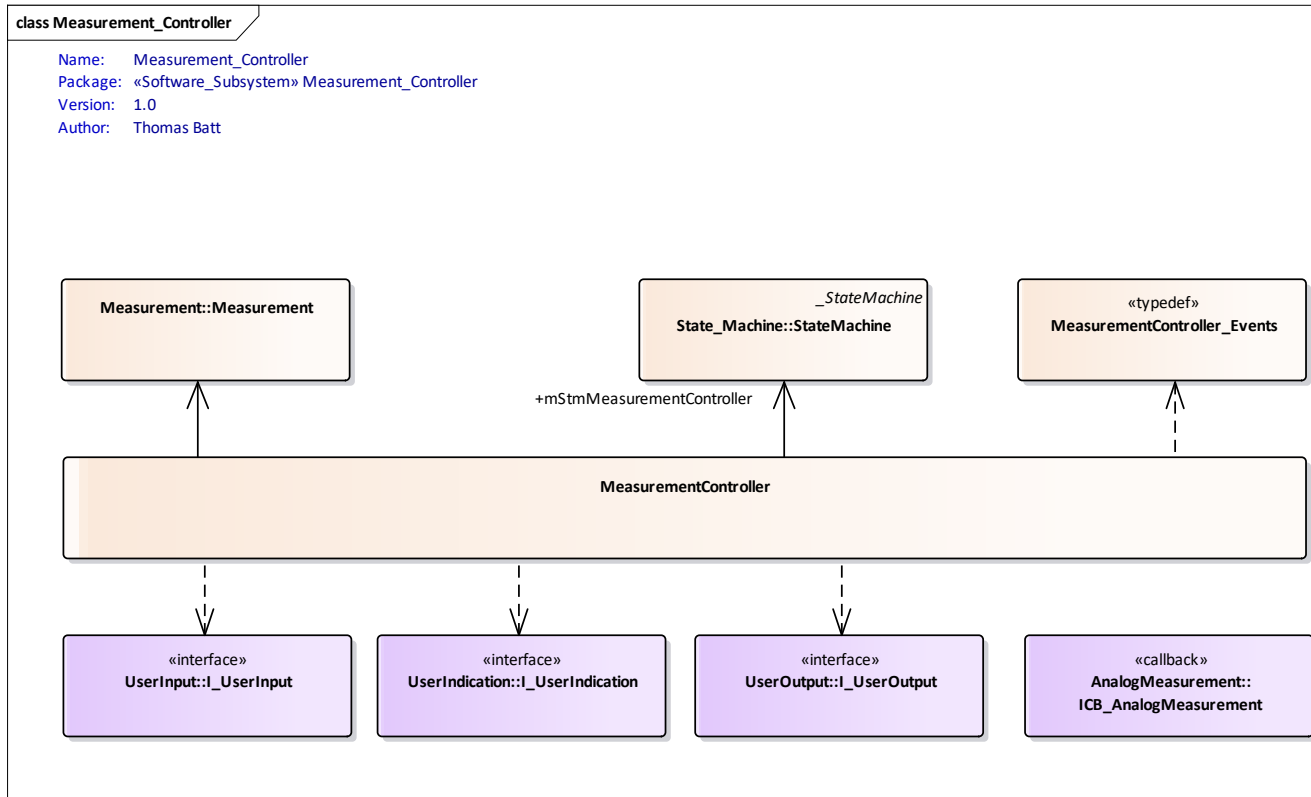
**Diagram: Measurement**



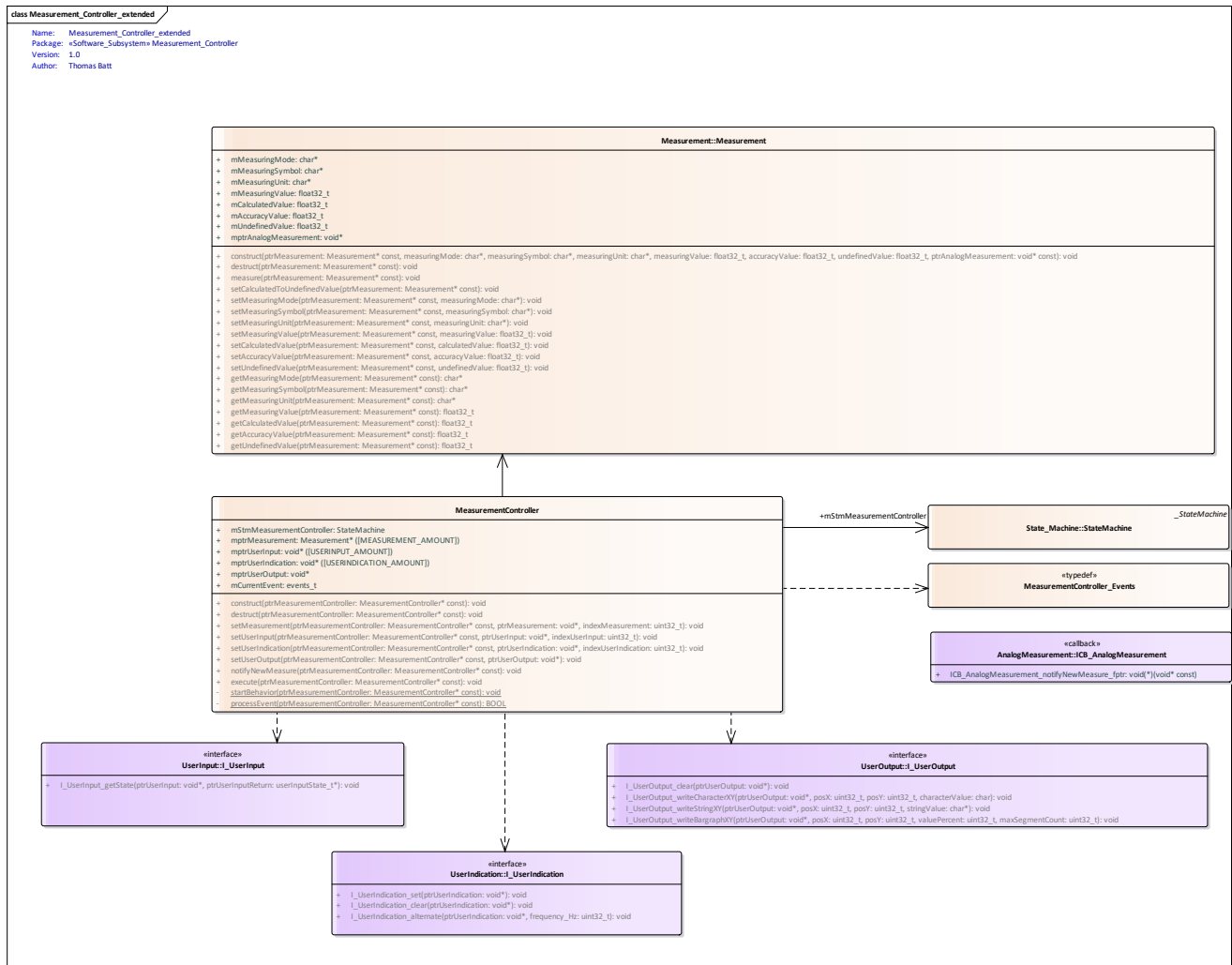
# Diagram: Measurement\_extended



## Diagram: Measurement\_Controller



# Diagram: Measurement\_Controller\_extended





## Diagram: StateMachine\_MeasurementController

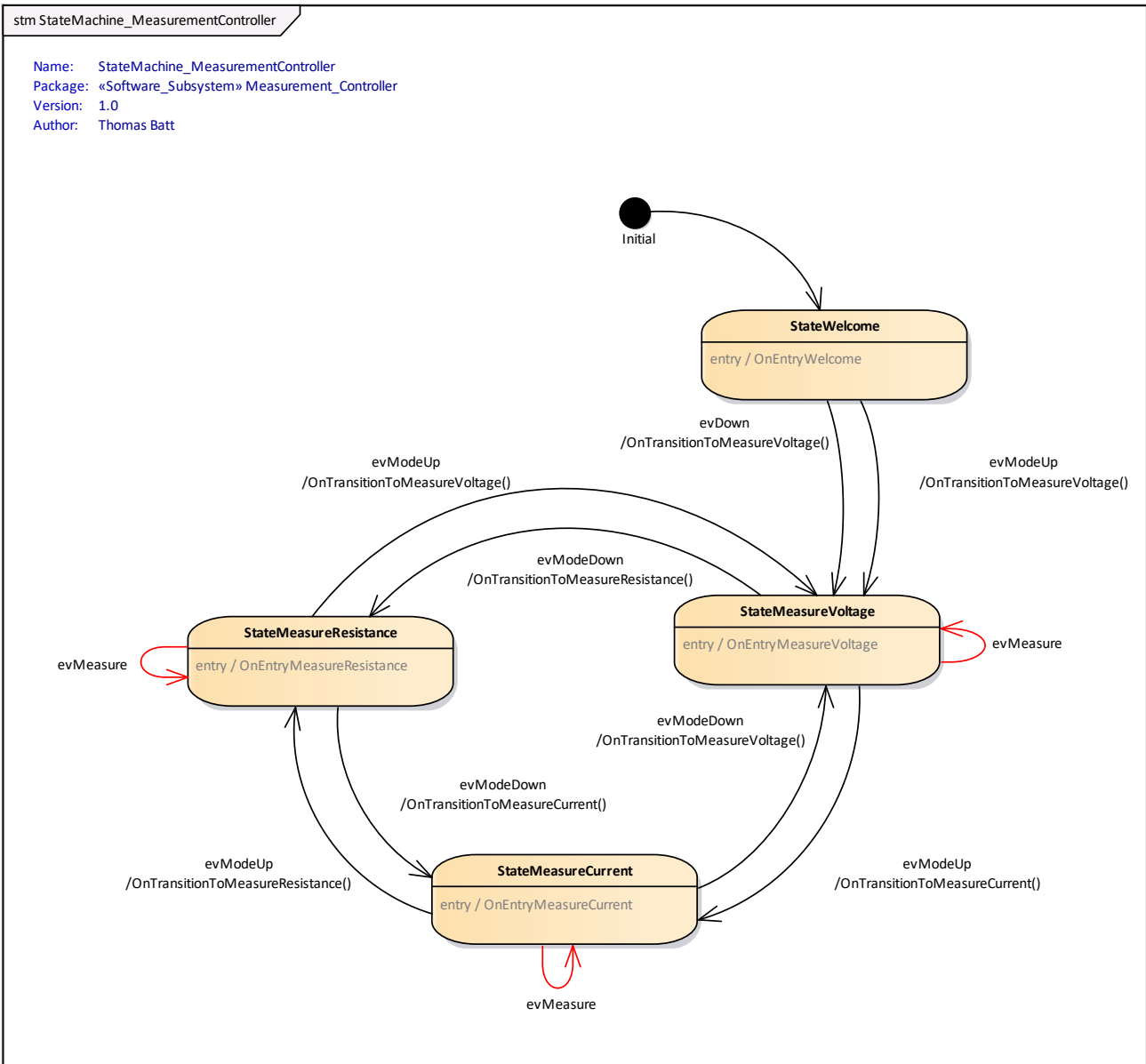


Diagram: Library

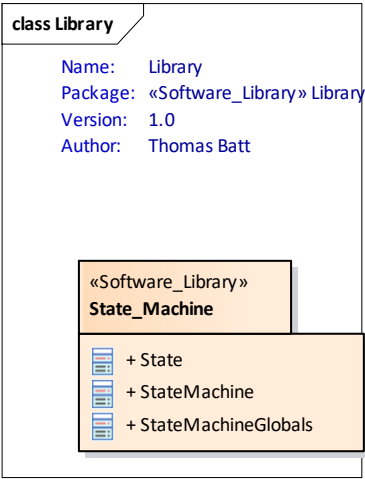
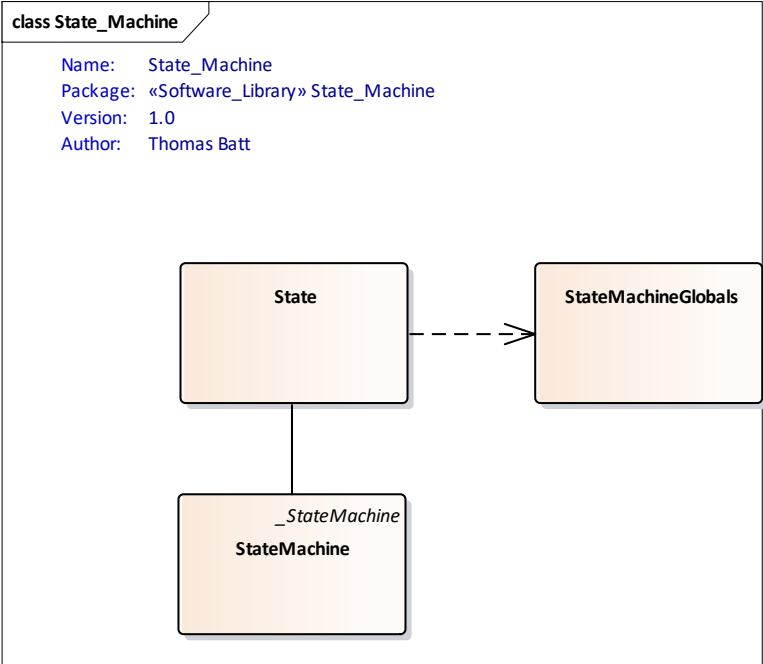
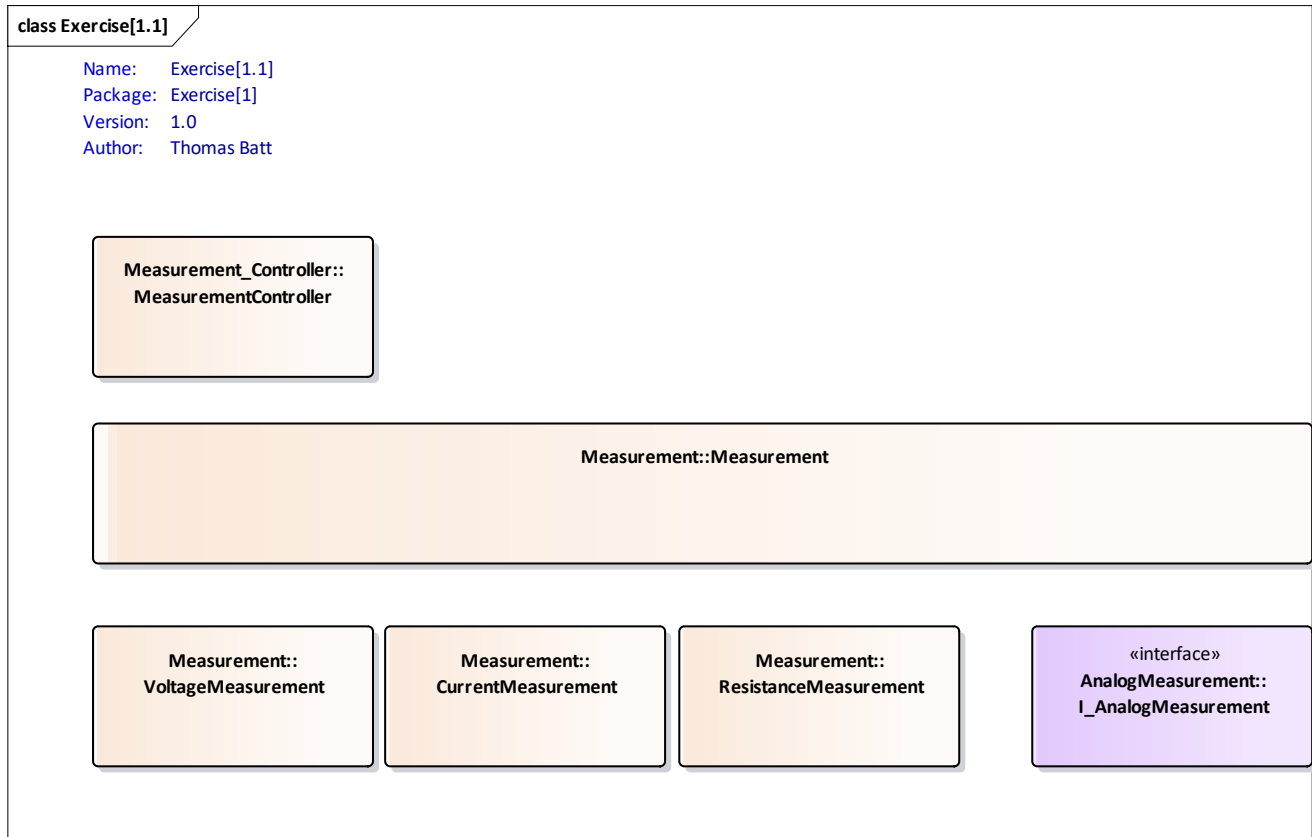


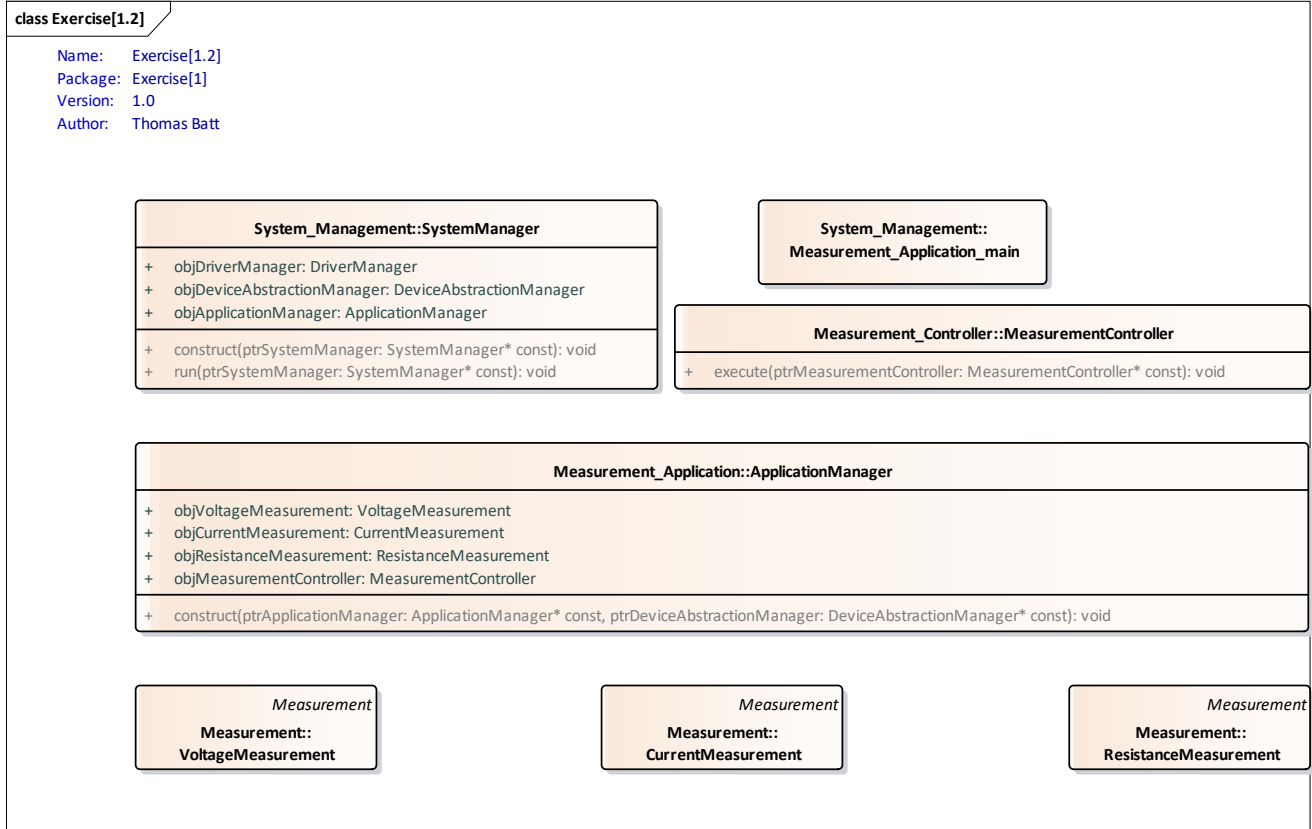
Diagram: State\_Machine



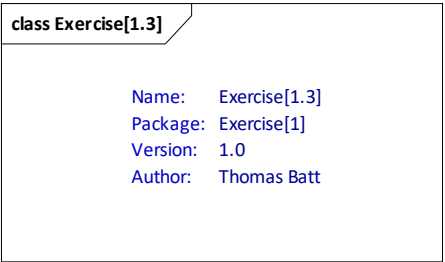
## Diagram: Exercise[1.1]



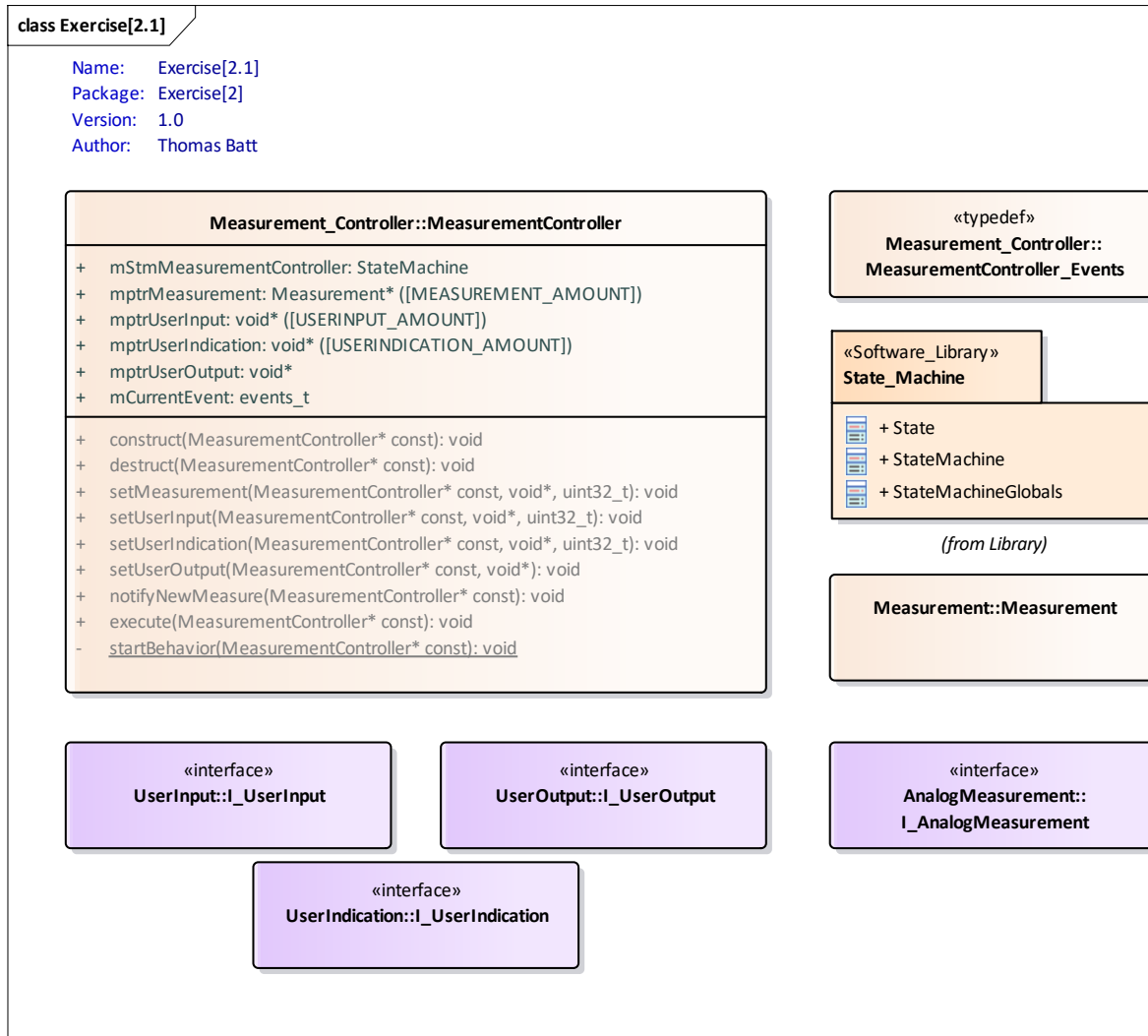
## Diagram: Exercise[1.2]



**Diagram: Exercise[1.3]**



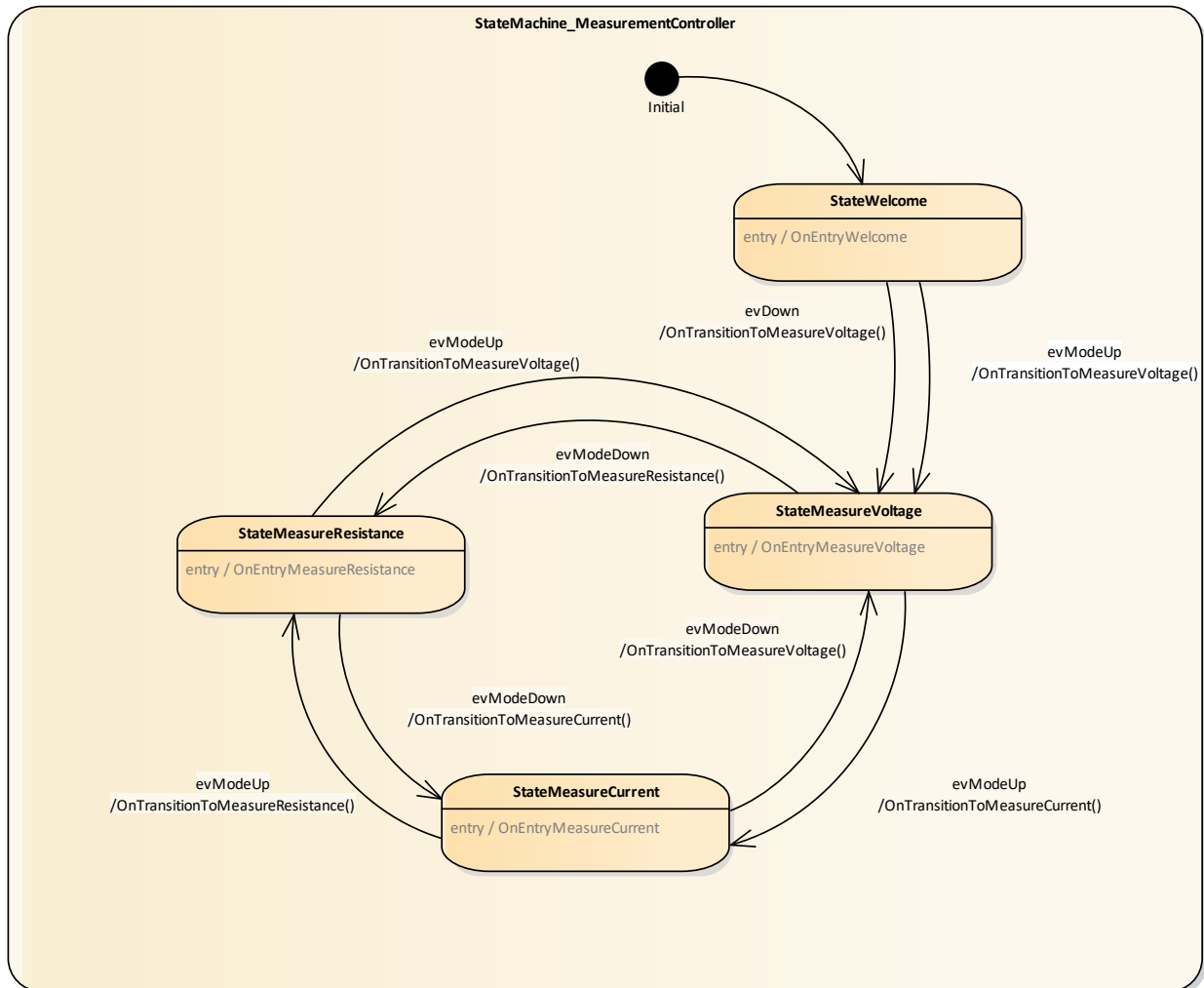
## Diagram: Exercise[2.1]



## Diagram: Exercise[2.2]

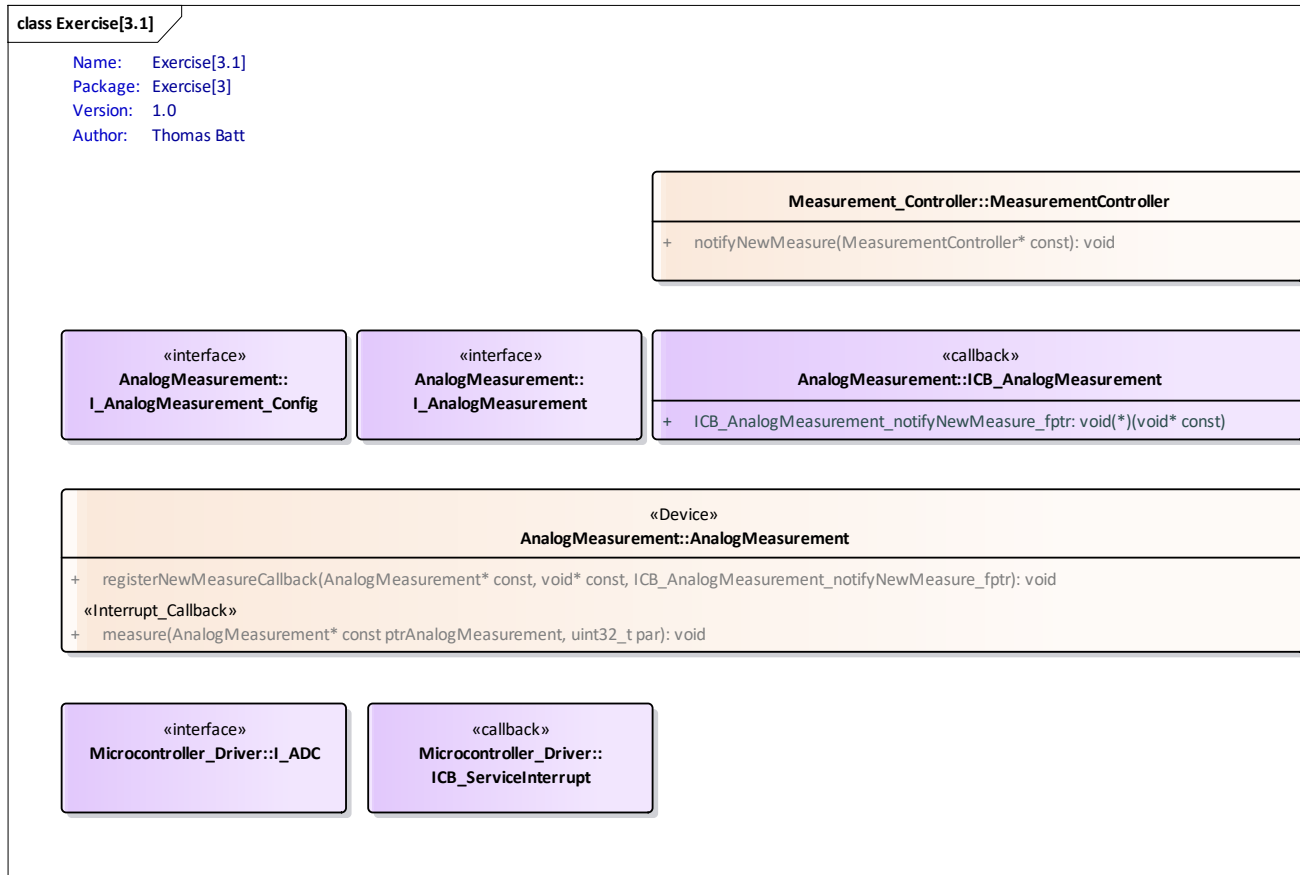
stm Exercise[2.2]

Name: Exercise[2.2]  
Package: Exercise[2]  
Version: 1.0  
Author: Thomas Batt





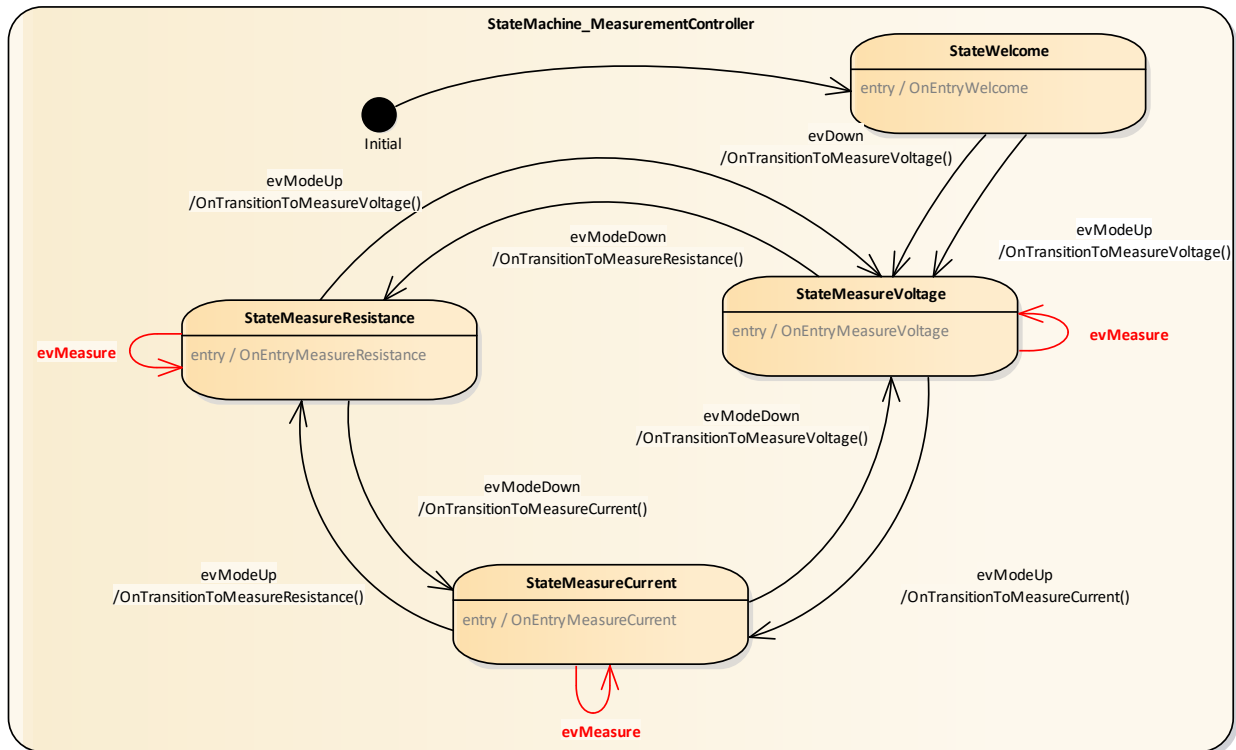
## Diagram: Exercise[3.1]



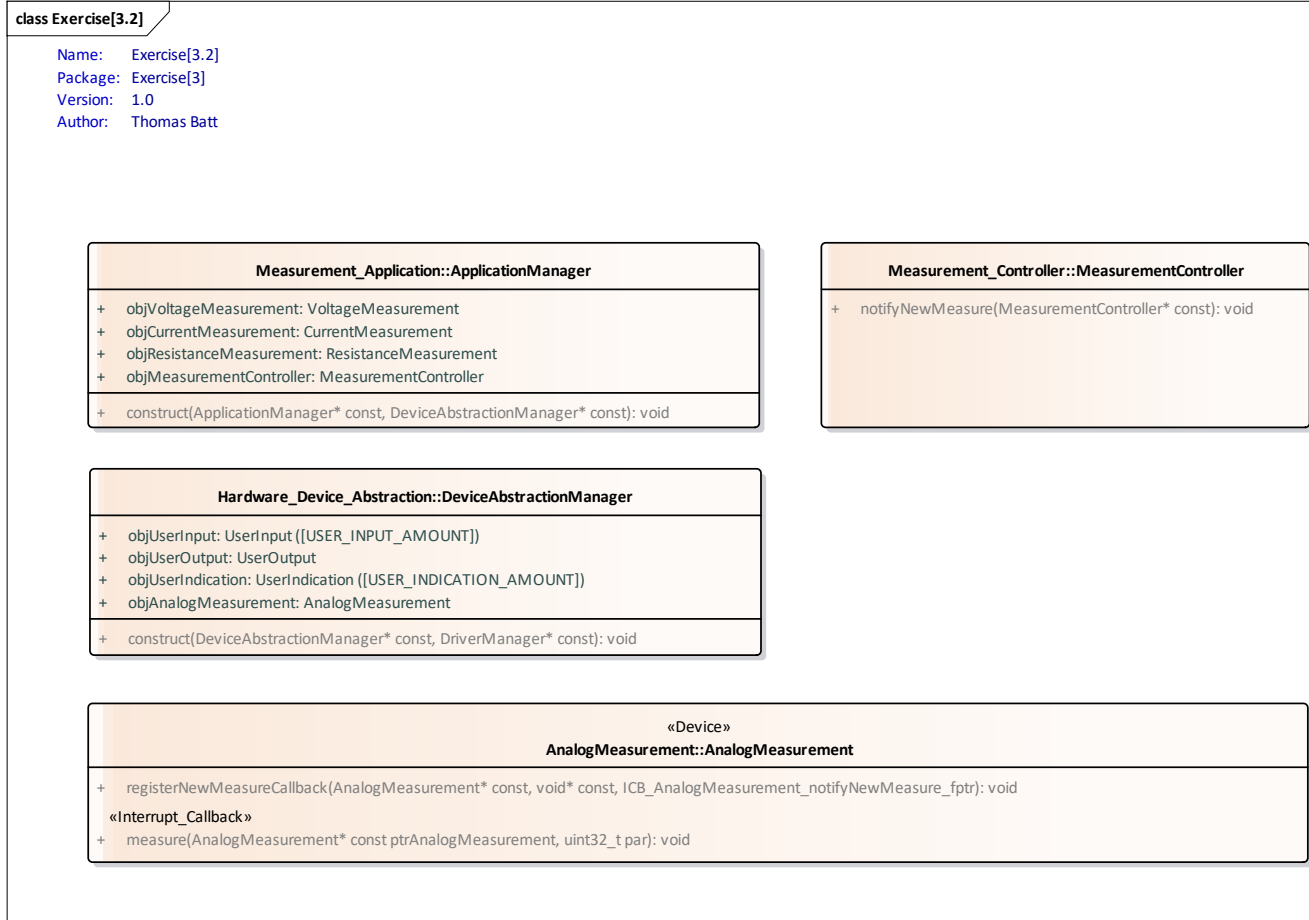
## Diagram: Exercise[3.2]

stm Exercise[3.2]

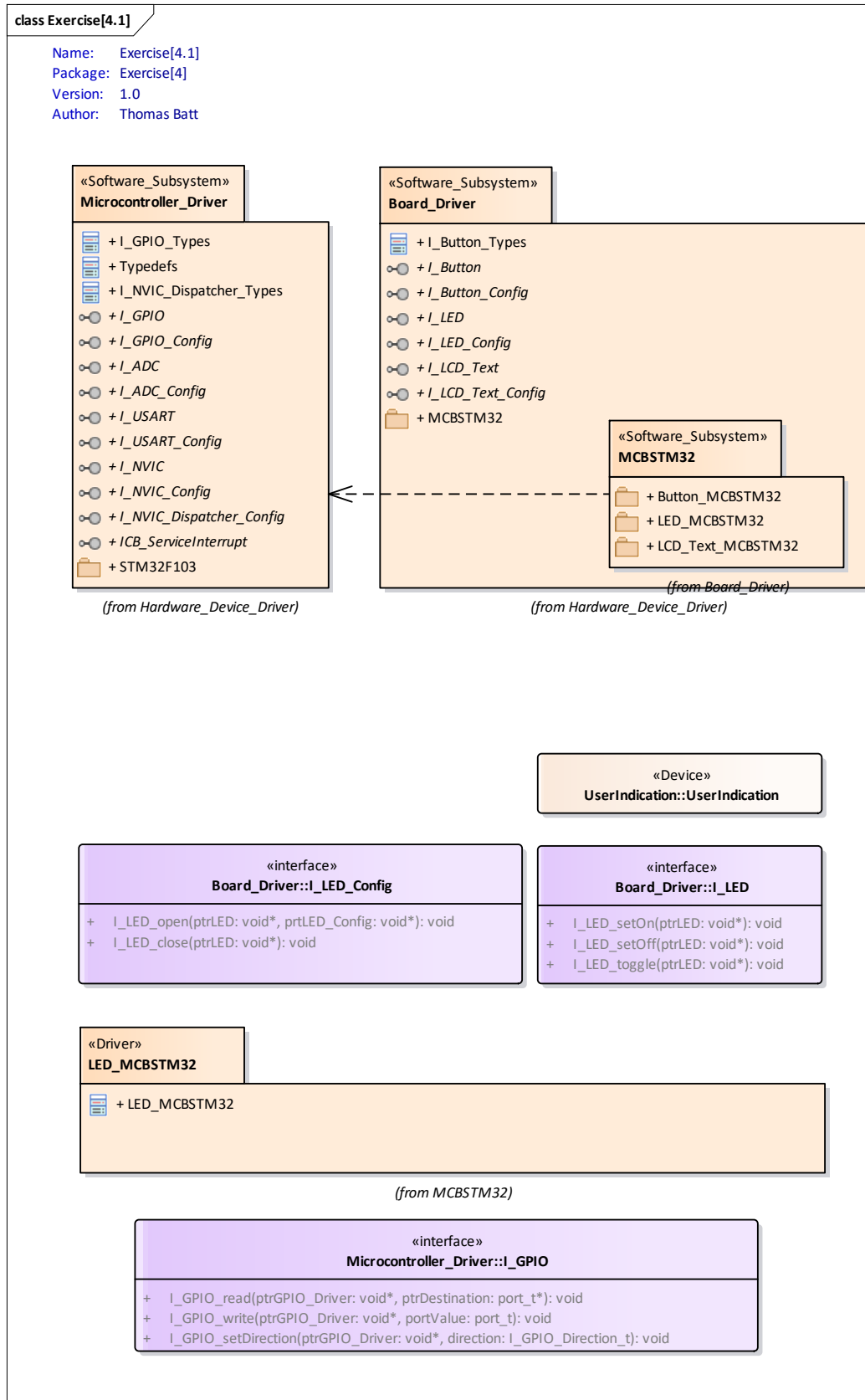
Name: Exercise[3.2]  
Package: Exercise[3]  
Version: 1.0  
Author: Thomas Batt



## Diagram: Exercise[3.2]



**Diagram: Exercise[4.1]**



## Diagram: Exercise[4.2]

class Exercise[4.2]

Name: Exercise[4.2]

Package: Exercise[4]

Version: 1.0

Author: Thomas Batt

