

Diagram Report

Version •



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Author:

Thomas Batt

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1.1.1 Architecture_Overview diagram

Package diagram in package 'Architecture'

Architecture_Overview

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 02.11.2021

Name: Architecture_Overview

Package: Architecture

Version: 1.0

Author: Thomas Batt

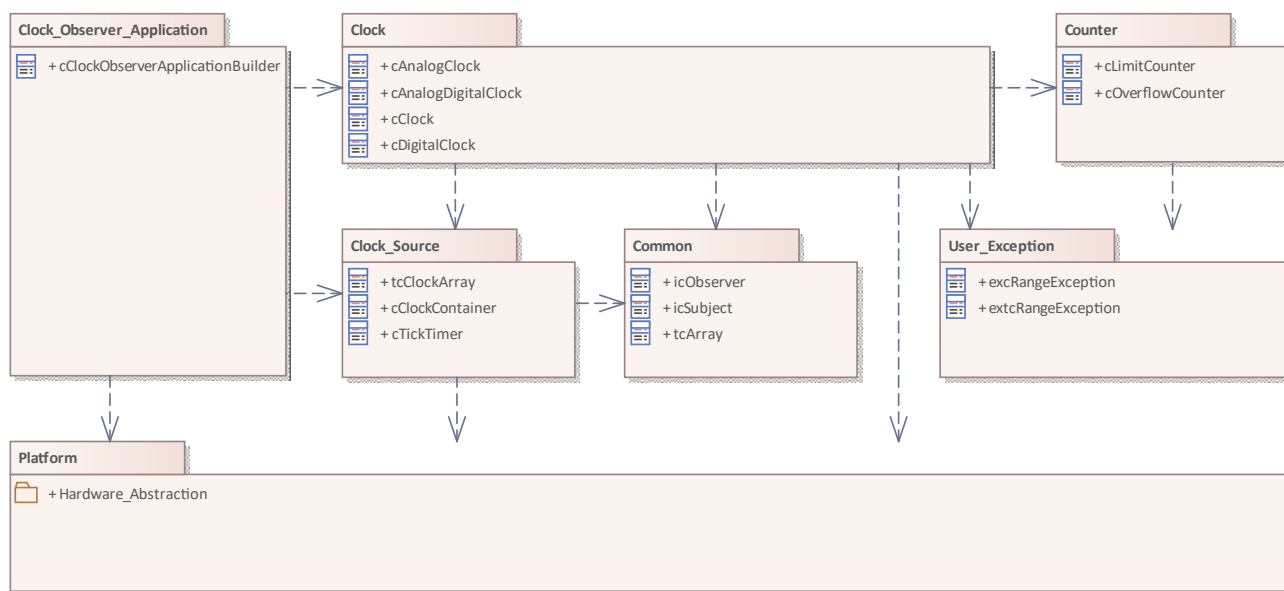


Figure 1: Architecture_Overview

1.1.1.1 Clock_Observer_Application diagram

Class diagram in package 'Clock_Observer_Application'

Clock_Observer_Application
Version 1.0

Thomas Batt created on 02.11.2021. Last modified 03.11.2021

Name: Clock_Observer_Application
Package: Clock_Observer_Application
Version: 1.0
Author: Thomas Batt

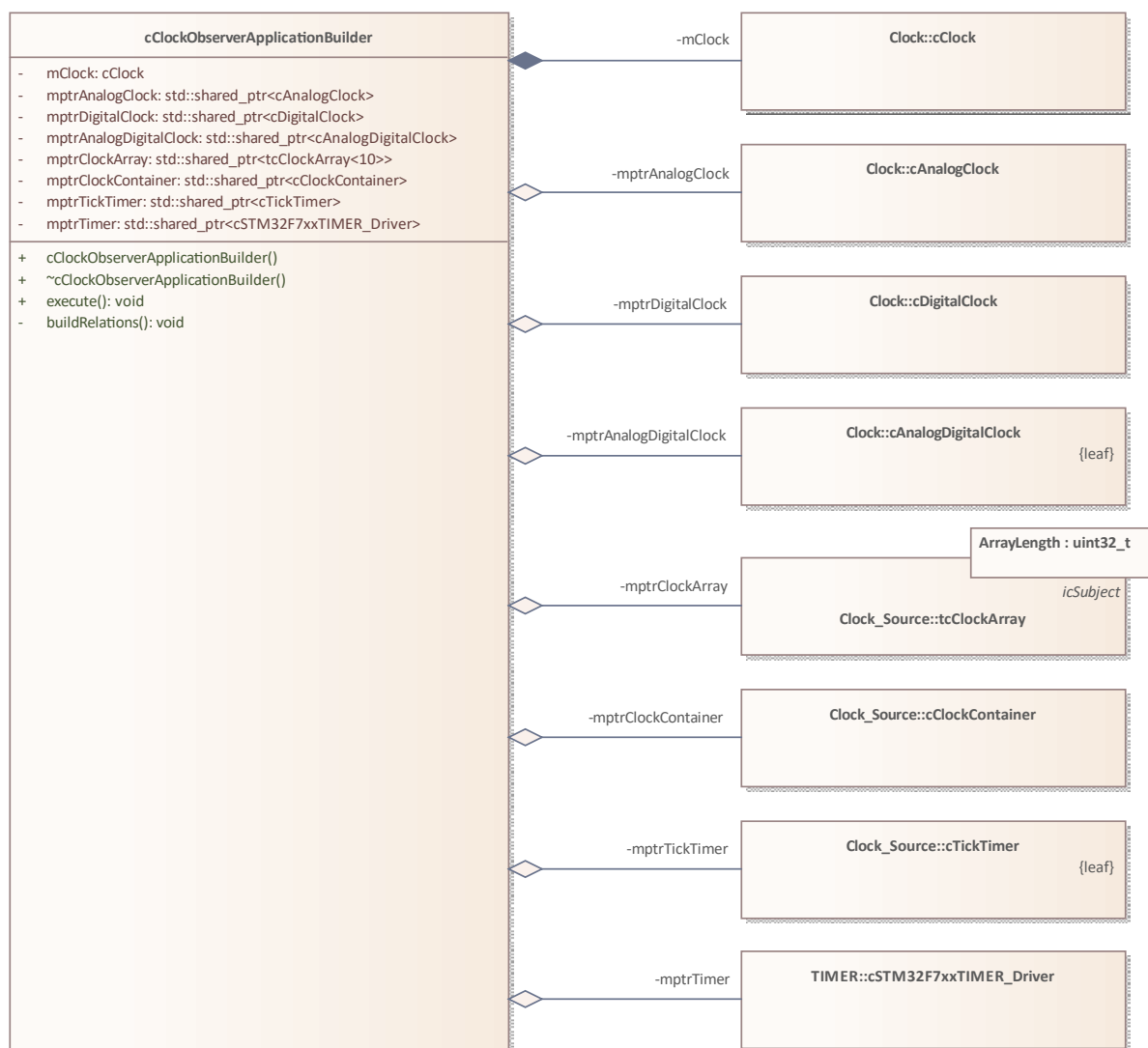


Figure 2: Clock_Observer_Application

1.1.1.2 Counter diagram

Class diagram in package 'Counter'

Counter
Version 1.0

Thomas Batt created on 02.11.2021. Last modified 03.11.2021

Name: Counter
Package: Counter
Version: 1.0
Author: Thomas Batt

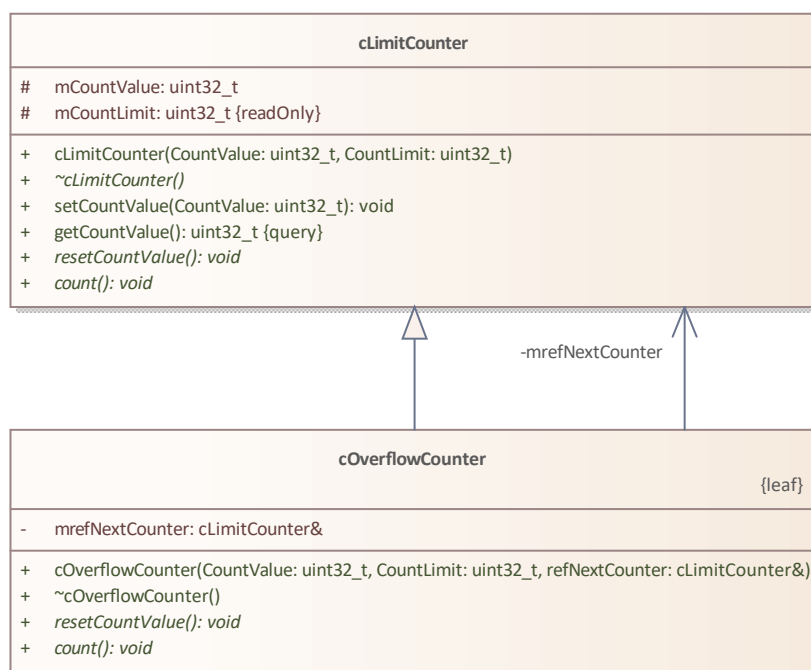


Figure 3: Counter

1.1.1.3 Clock diagram

Class diagram in package 'Clock'

Clock

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 18.03.2022

Name: Clock
 Package: Clock
 Version: 1.0
 Author: Thomas Batt

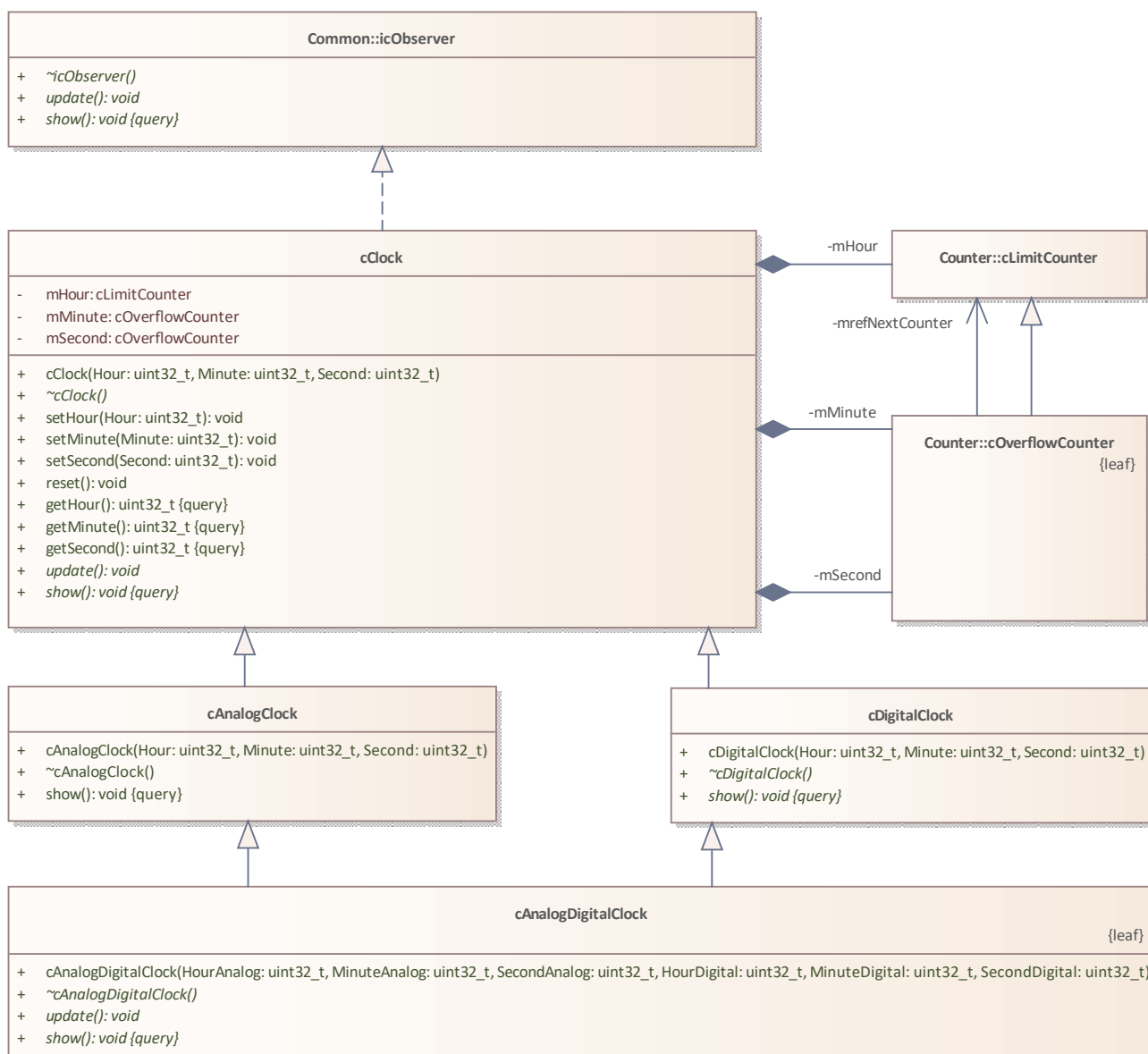


Figure 4: Clock

1.1.1.4 Clock_Source diagram

Class diagram in package 'Clock_Source'

Clock_Source
Version 1.0

Thomas Batt created on 02.11.2021. Last modified 25.02.2022

Name: Clock_Source
Package: Clock_Source
Version: 1.0
Author: Thomas Batt

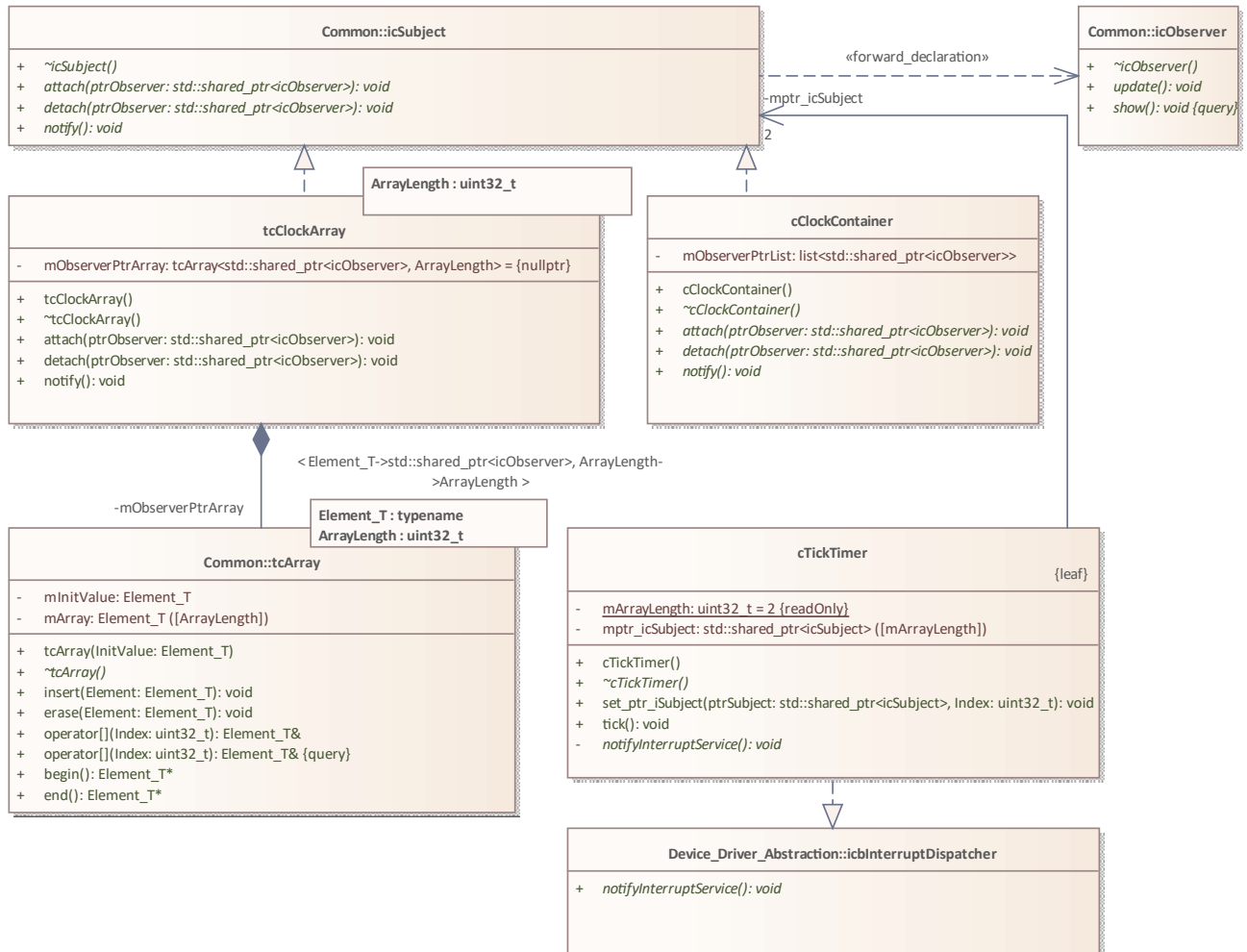


Figure 5: Clock_Source

1.1.1.5 Common diagram

Class diagram in package 'Common'

Common
Version 1.0

Thomas Batt created on 02.11.2021. Last modified 25.02.2022

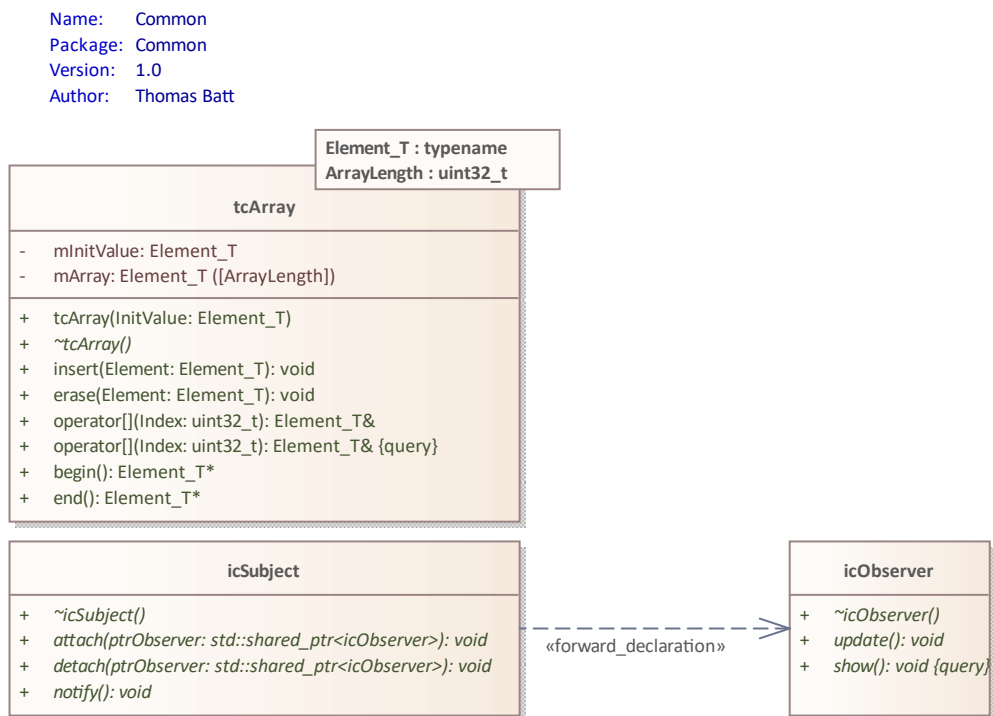


Figure 6: Common

1.1.1.6 User_Exception diagram

Class diagram in package 'User_Exception'

User_Exception
Version 1.0

Thomas Batt created on 02.11.2021. Last modified 03.11.2021

Name: User_Exception
Package: User_Exception
Version: 1.0
Author: Thomas Batt

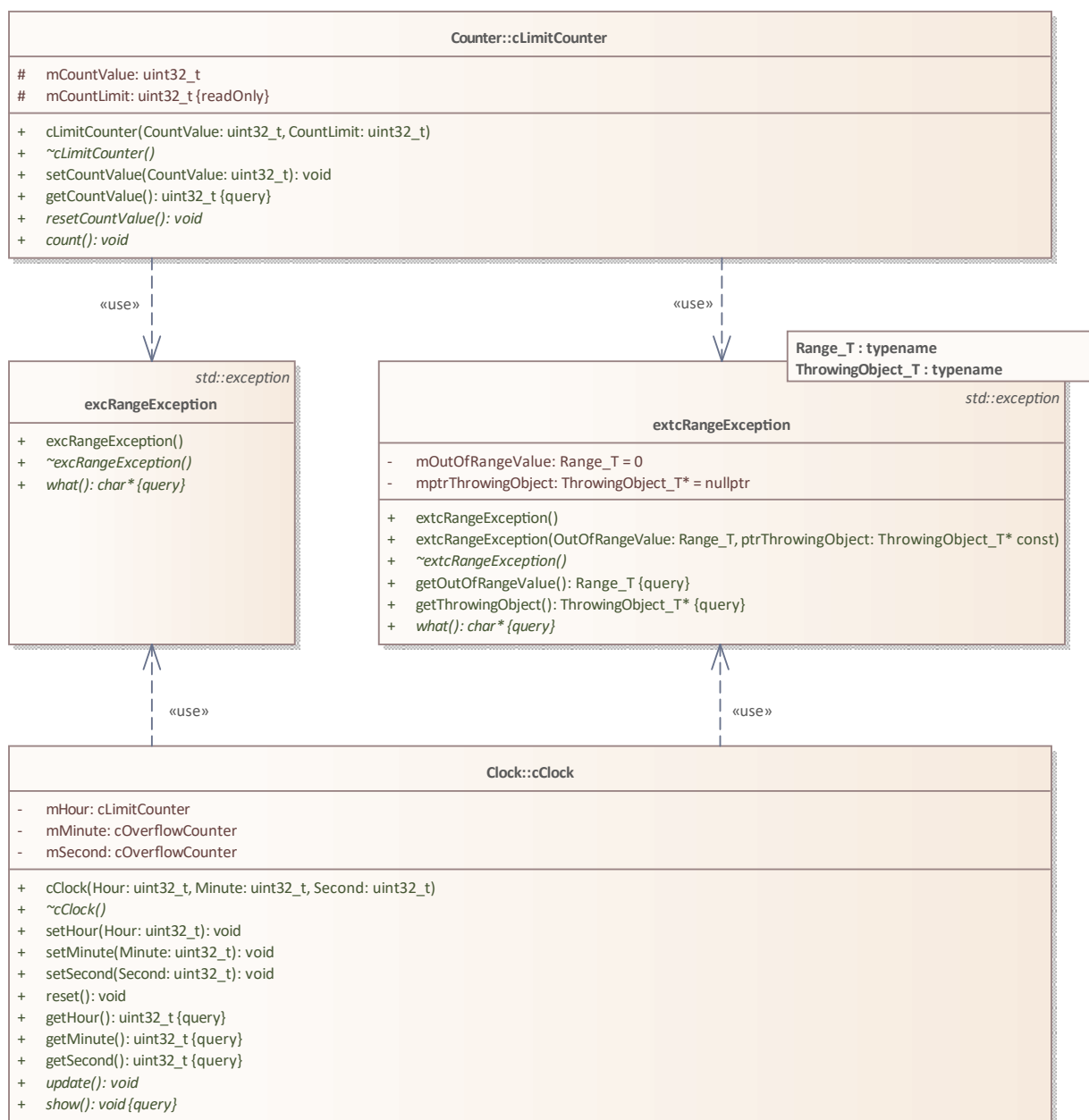


Figure 7: User_Exception

1.1.1.6.1.1 Device_Driver_Abstraction diagram

Class diagram in package 'Device_Driver_Abstraction'

Device_Driver_Abstraction

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 02.11.2021

Name: Device_Driver_Abstraction
Package: Device_Driver_Abstraction
Version: 1.0
Author: Thomas Batt

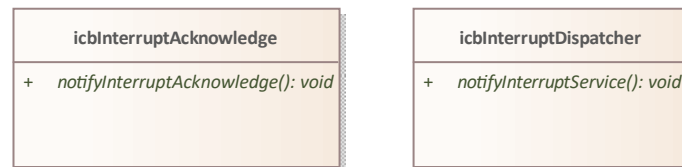


Figure 8: Device_Driver_Abstraction

1.1.1.6.1.1.1.1.1 NVIC_Dispatcher diagram*Class diagram in package 'NVIC_Dispatcher'*

NVIC_Dispatcher

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 02.11.2021

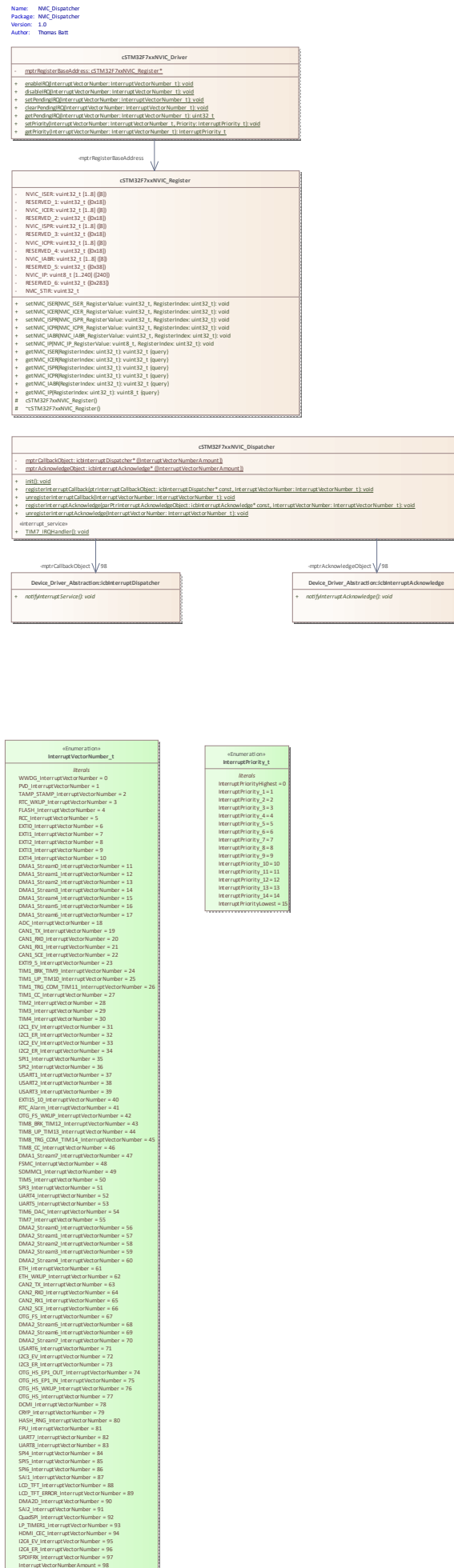


Figure 9: NVIC_Dispatcher

1.1.1.6.1.1.1.2 TIMER diagram

Class diagram in package 'TIMER'

TIMER

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 02.11.2021

Name: TIMER
 Package: TIMER
 Version: 1.0
 Author: Thomas Batt

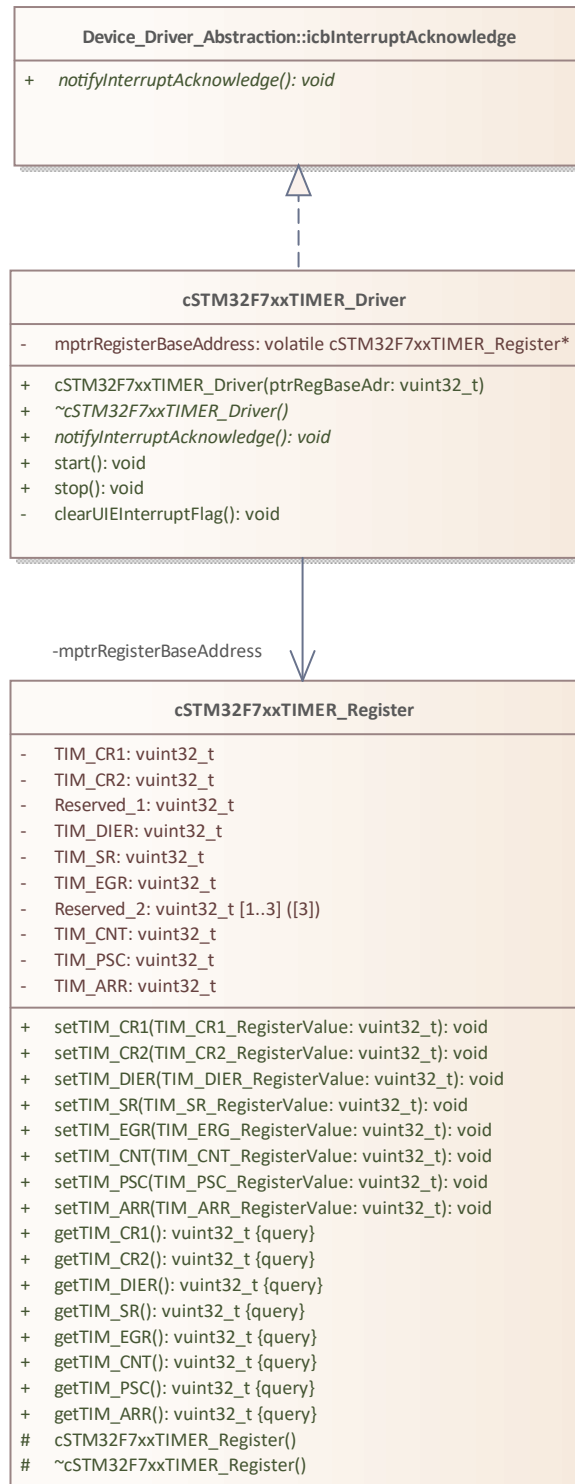


Figure 10: TIMER

1.1.1.7 Exercise_1: Classes, Objects and Relations diagram

Class diagram in package 'Exercise_1'

Exercise_1: Classes, Objects and Relations

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 29.11.2021

Name: Exercise_1: Classes, Objects and Relations

Package: Exercise_1

Version: 1.0

Author: Thomas Batt

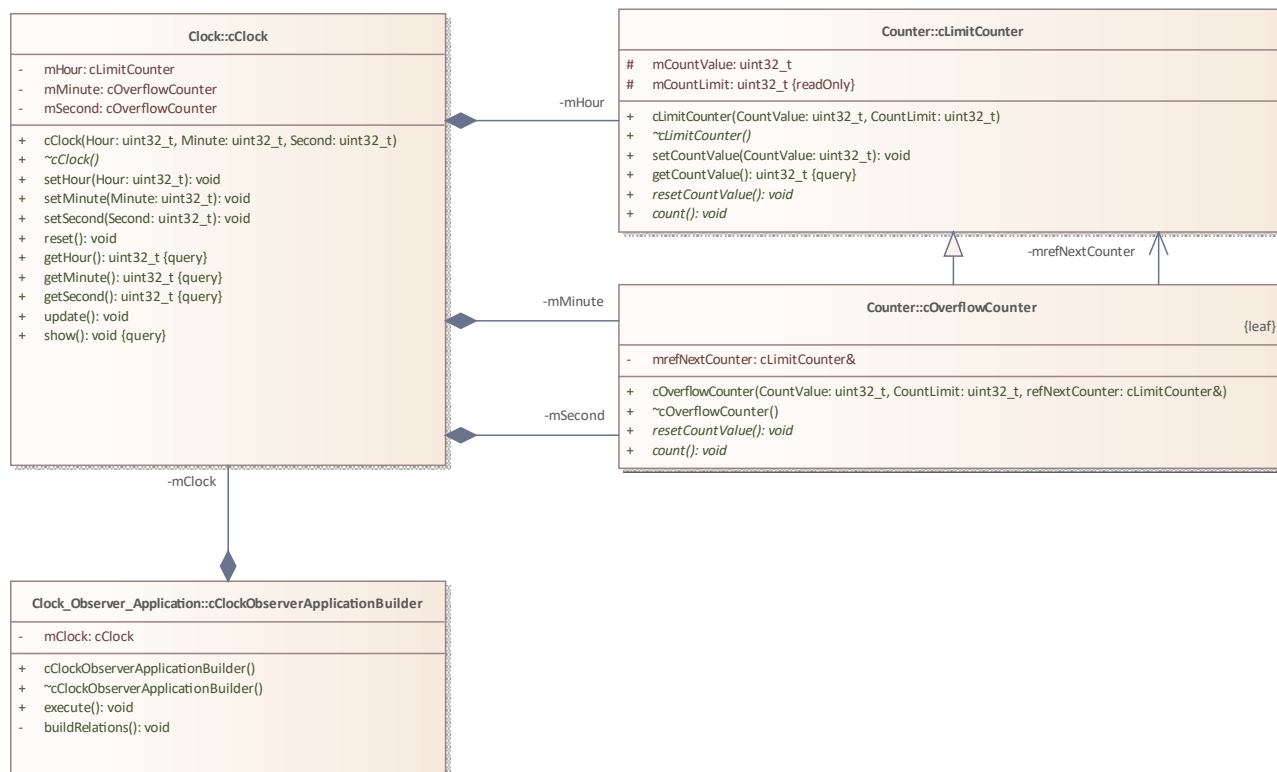


Figure 11: Exercise_1: Classes, Objects and Relations

1.1.1.8 Exercise_2: Namespaces and Multiple Inheritance diagram

Class diagram in package 'Exercise_2'

Exercise_2: Namespaces and Multiple Inheritance

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 29.11.2021

Name: Exercise_2: Namespaces and Multiple Inheritance

Package: Exercise_2

Version: 1.0

Author: Thomas Batt

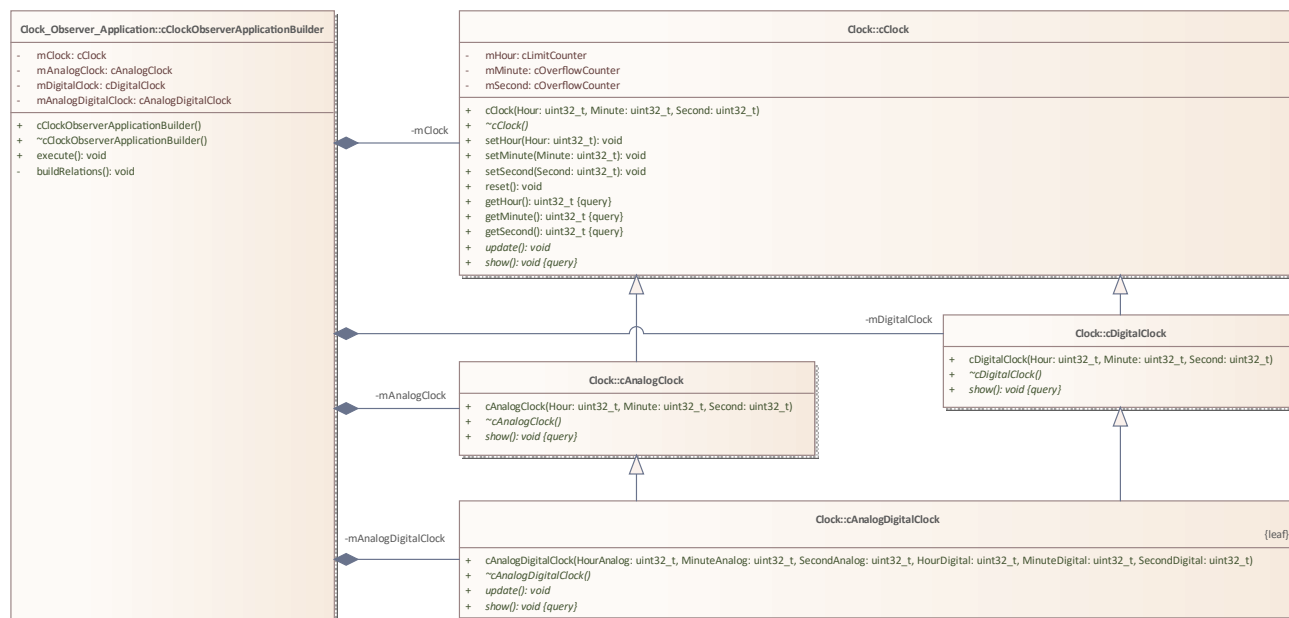


Figure 12: Exercise_2: Namespaces and Multiple Inheritance

1.1.1.9 Exercise_3: Exception Handling and Dynamic Memory Management diagram

Class diagram in package 'Exercise_3'

Exercise_3: Exception Handling and Dynamic Memory Management

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 29.11.2021

Name: Exercise_3: Exception Handling and Dynamic Memory Management
 Package: Exercise_3
 Version: 1.0
 Author: Thomas Batt

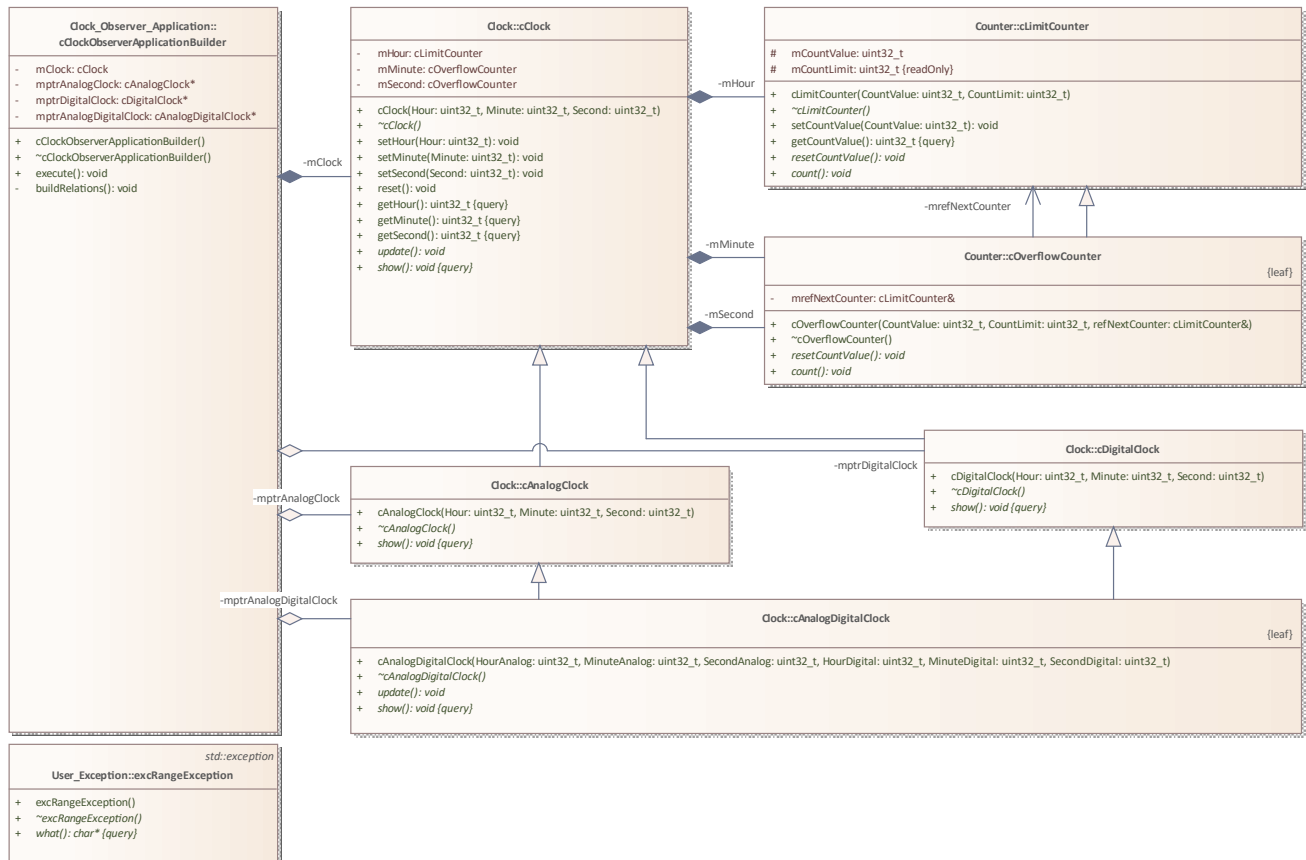


Figure 13: Exercise_3: Exception Handling and Dynamic Memory Management

1.1.1.10 Exercise_4: Observer Pattern: Template Class, RTTI and Smart Pointer diagram

Class diagram in package 'Exercise_4'

Exercise_4: Observer Pattern: Template Class, RTTI and Smart Pointer

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 25.02.2022

Name: Exercise_4: Observer Pattern: Template Class, RTTI and Smart Pointer
 Package: Exercise_4
 Version: 1.0
 Author: Thomas Batt

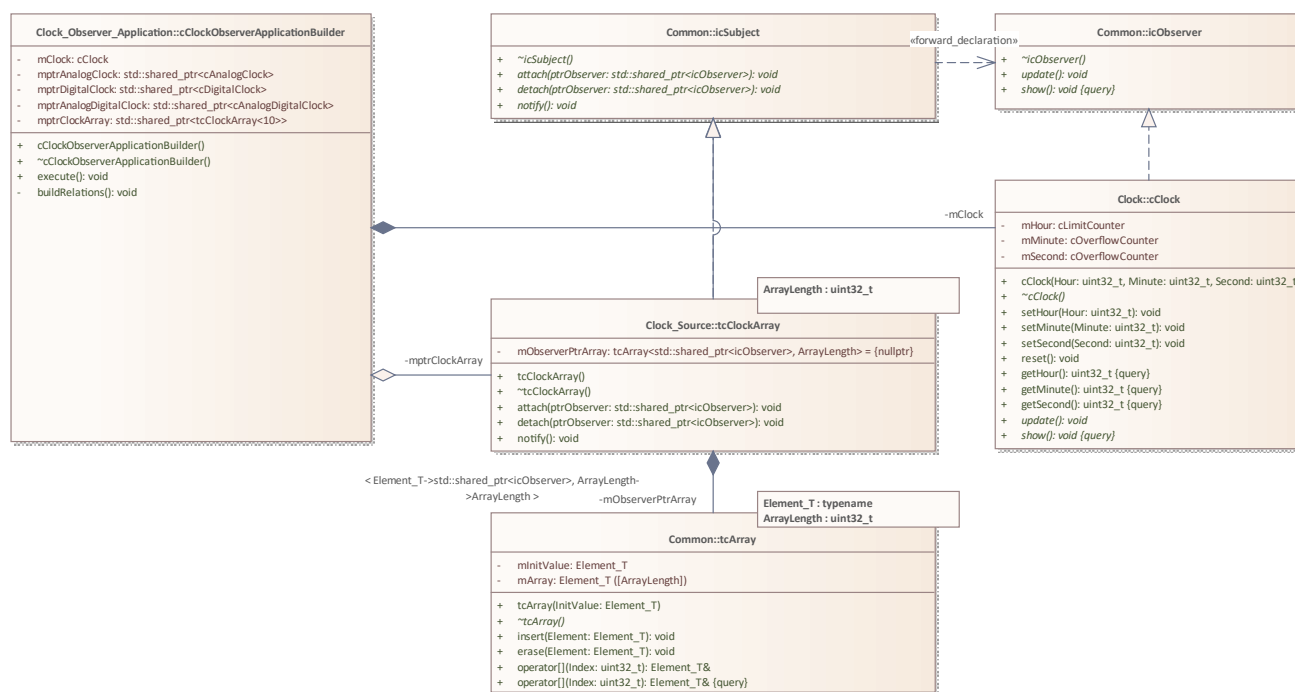


Figure 14: Exercise_4: Observer Pattern: Template Class, RTTI and Smart Pointer

1.1.1.11 Exercise_5: Observer Pattern: Standard Library Container and Template Exception Class diagram

Class diagram in package 'Exercise_5'

Exercise_5: Observer Pattern: Standard Library Container and Template Exception Class

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 25.02.2022

Name: Exercise_5: Observer Pattern: Standard Library Container and Template Exception Class
 Package: Exercise_5
 Version: 1.0
 Author: Thomas Batt

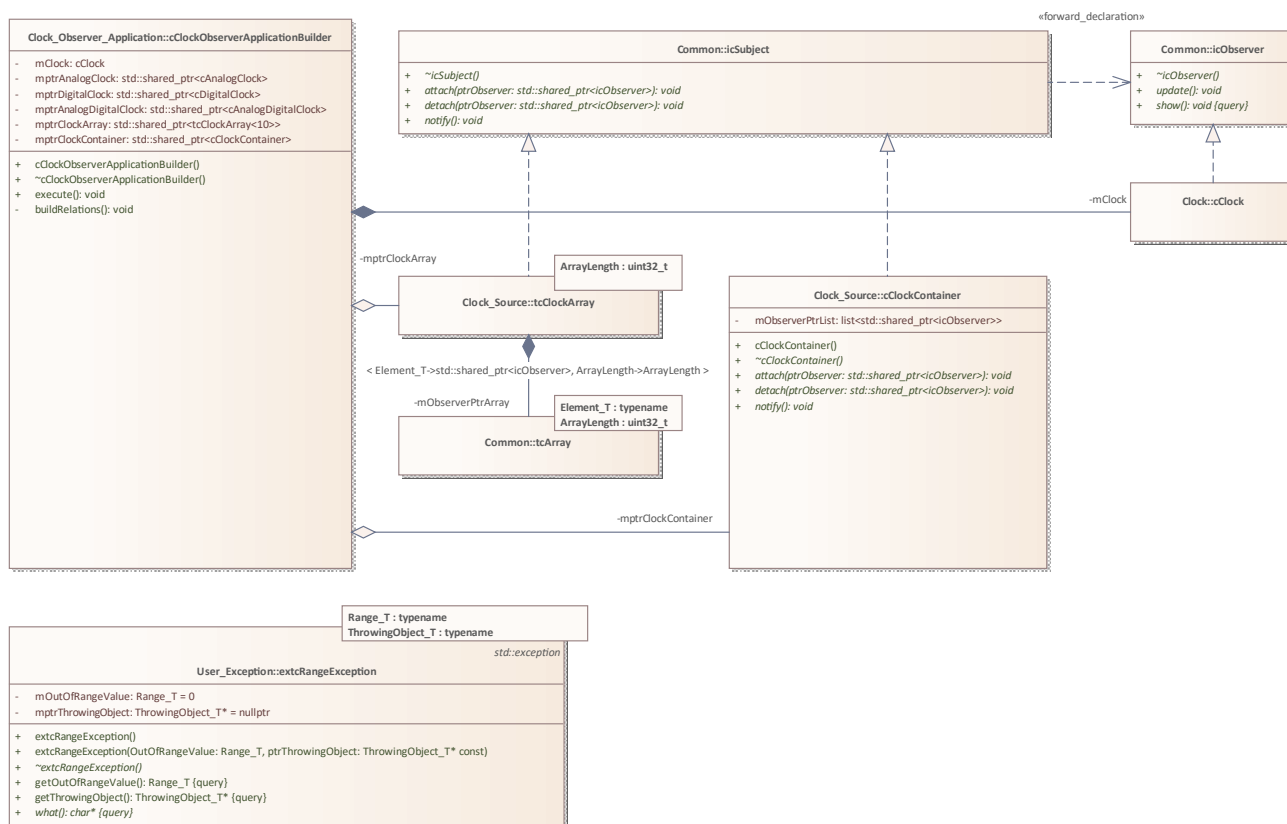


Figure 15: Exercise_5: Observer Pattern: Standard Library Container and Template Exception Class

1.1.1.12 Exercise_6: Callback, Hardware Driver and Interrupt diagram

Class diagram in package 'Exercise_6'

Exercise_6: Callback, Hardware Driver and Interrupt

Version 1.0

Thomas Batt created on 02.11.2021. Last modified 25.02.2022

Name: Exercise_6: Callback, Hardware Driver and Interrupt
 Package: Exercise_6
 Version: 1.0
 Author: Thomas Batt

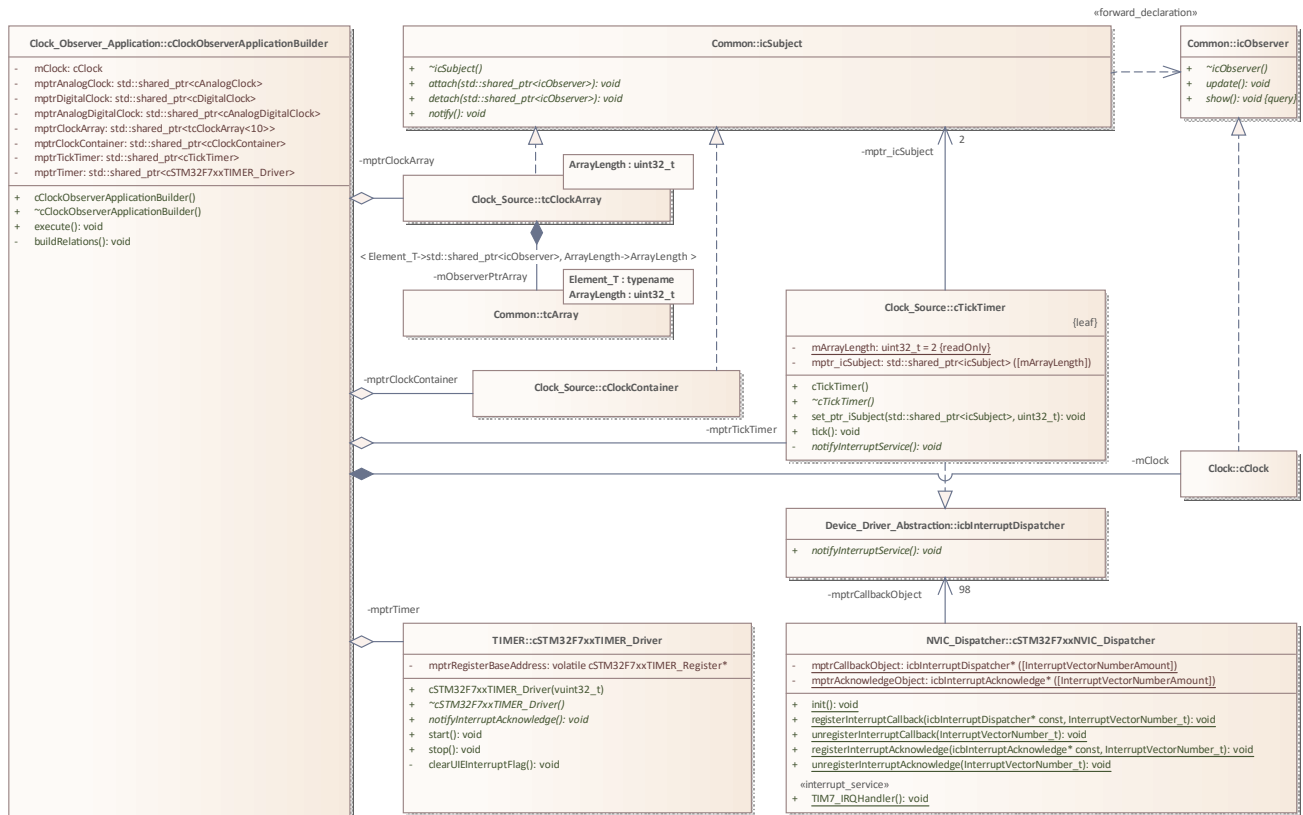


Figure 16: Exercise_6: Callback, Hardware Driver and Interrupt

