

# **Requirements on External interrupt Driver**

**Team X**

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## Scope of document:

This document specifies requirements on the module External interrupt Driver.

## Functional overview:

The external interrupt driver initializes External interrupt0 , initializes External interrupt1, and initializes External interrupt2

## Requirement specifications:

### Functional Requirements:

#### Configuration and initialization:

- 1- [SRS\_External interrupt \_1001] The External interrupt driver shall provide a service that initializes the External interrupt 0.

Type:	Valid
Description:	The External interrupt driver shall provide a service that initializes External interrupt 0
Rationale:	Basic functionality
Use cases	Initialize the External interrupt 0.
Dependencies	--
Supporting material	--

- 2- [SRS\_External interrupt \_1002] The External interrupt driver shall provide a service that initializes the External interrupt 1.

Type:	Valid
Description:	The External interrupt driver shall provide a service that initializes External interrupt 1
Rationale:	Basic functionality
Use cases	Initialize the External interrupt 1.
Dependencies	**
Supporting material	--

- 3- [SRS\_External interrupt \_1003] The External interrupt driver shall provide a service that initializes the External interrupt 2.

Type:	Valid
Description:	The External interrupt driver shall provide a service that initializes External interrupt 2
Rationale:	Basic functionality
Use cases	Initialize the External interrupt 2.
Dependencies	--
Supporting material	--

**Normal operation:**

- 1- [SRS\_External interrupt\_1004] The External interrupt driver shall provide a service that set call back function

Type:	Valid
Description:	The External interrupt driver shall provide a service that set call ISR function.
Rationale:	Basic functionality
Use cases	Take the address of a function
Dependencies	--
Supporting material	--