

Software Requirements on RTC Driver

Team X

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Scope of document

This Document specifies the Software requirements on RTC Driver.

Functional overview

RTC Driver provides capabilities to read Date and time, adjust date and time and check whether if it's PM or AM.

Requirement specifications

Functional Requirements

1- [DD_RTC_5602] Initializing RTC module by changing its status to be able to monitor during the whole project if it's initialized or not.

Type:	Valid
Description:	The RTC drivers changes its status when it's initialized
Rationale:	Basic functionality
Use cases	When initializing the whole application
Dependencies	--
Supporting material	--

2-[DD_RTC_5603] The RTC Driver shall provide a service for user to read Time

Type:	Valid
Description:	The RTC Driver shall provide a service for user to read Time such as Seconds, Minutes, Hours

Rationale:	Basic functionality
Use cases	When user wants to get the current time
Dependencies	[SRS_RTC_4500]
Supporting material	--

3-[DD_RTC_5604] The RTC Driver shall provide a service for user to read Date

Type:	Valid
Description:	The RTC Driver shall provide a service for user to read Time such as Day, Month, Year
Rationale:	Basic functionality
Use cases	When user wants to get the current time
Dependencies	[SRS_RTC_4501]
Supporting material	--

4-[DD_RTC_5605] The RTC Driver shall provide a service to set Time

Type:	Valid
Description:	The RTC Driver shall provide a service for user to Set Time
Rationale:	Basic functionality
Use cases	When user wants to adjust the current time
Dependencies	[SRS_RTC_4500]
Supporting material	--

5-[DD_RTC_5606] The RTC Driver shall provide a service to set Date

Type:	Valid
Description:	The RTC Driver shall provide a service for user to Set Date
Rationale:	Basic functionality
Use cases	When user wants to adjust the current Date
Dependencies	[SRS_RTC_4501]
Supporting material	--

6-[DD_RTC_5607] The RTC Driver shall provide a service to check if it's pm or am

Type:	Valid
Description:	The RTC Driver shall provide a service to check if it's pm or am
Rationale:	Basic functionality
Use cases	When user wants to check PM or AM
Dependencies	[SRS_RTC_4501]
Supporting material	--