**Desription:**

* Use button to switch task to turn ON/OFF 3 leds sequentially.
* Use Mutex to avoid accessing to resource at the same time

**Config:**

* Config debug

A screen shot of a computer

Description automatically generated

* Use user leds connected to the I/O PD14, PD13, PD12 of the STM32F407VGT6.

A screenshot of a computer

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* Use built-in button on board:

A close-up of a computer screen

Description automatically generated

* Setup FreeRTOS config, enabe preemtion to test Mutex

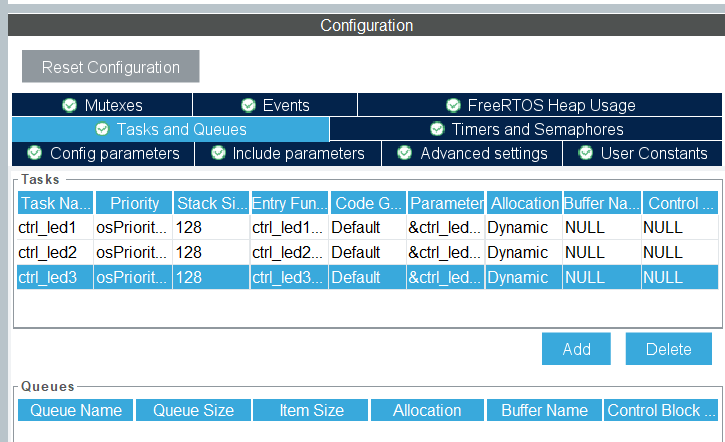
A screenshot of a computer

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A screenshot of a computer

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* Create tasks:



* Create Mutex:

A screenshot of a computer

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**Debug with SWV to test this program**

More detail at README.md

A screenshot of a computer

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