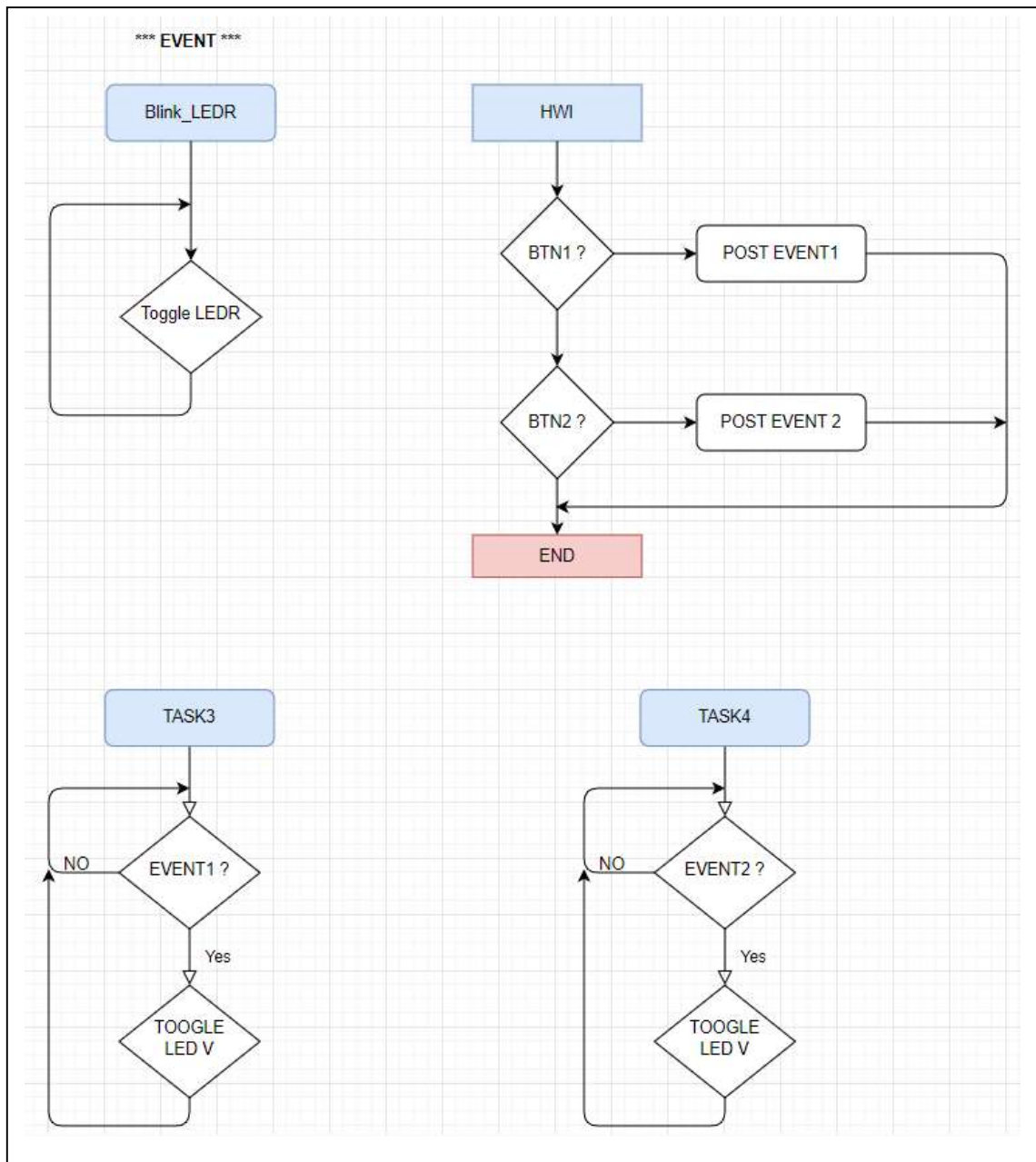


Exemples d'évènement (EVENT)



```

/*****
 * main.h
 *
 * Created on: 18 oct. 2022
 * Author: beepr
 *****/

#ifndef MAIN_H_
#define MAIN_H_

//PORT1
#define LED_ROUGE    GPIO_PIN0
#define BOUTON1      GPIO_PIN1
#define BOUTON2      GPIO_PIN2
//PORT9
#define LED_VERTE    GPIO_PIN7

//EVENT CONSTANT
#define EVENT_TIMEOUT    12
#define BTN1_EVENT       Event_Id_01
#define BTN2_EVENT       Event_Id_02

#endif /* MAIN_H_ */

```

```

/*****
 * Copyright (c) 2015, Texas Instruments Incorporated
 * All rights reserved.
 *
 * ===== EVENT Example =====
 *
 *****/

#include <stdint.h>
#include <stdbool.h>
#include <string.h>
/* XDCtools Header files */
#include <xdc/std.h>
#include <xdc/runtime/System.h>
#include <xdc/cfg/global.h>
/* BIOS Header files */
#include <ti/sysbios/BIOS.h>
#include <ti/sysbios/knl/Task.h>
#include <ti/sysbios/knl/Event.h>
/* TI-RTOS Header files */
#include <driverlib.h>
/* Board Header file */
#include "main.h"

/*****
 * Prototype de fonction
 *****/

void Init_GPIO(void);
void Blink_LEDR(UArg arg0, UArg arg1);
void Task_Event_BTN1(UArg arg0, UArg arg1);
void Task_Event_BTN2(UArg arg0, UArg arg1);
void Irq_Port1(unsigned index);

/*****
 * =====
 *****/

int main(void)
{
    WDT_A_hold(WDT_A_BASE); //Stop WDT
    PM5CTL0 &= ~LOCKLPM5;

    Init_GPIO();

    /* Start BIOS */
    BIOS_start();

    return (0);
}

```



```

        switch(Posted)
        {
            case BTN1_EVENT:
                GPIO_setOutputHighOnPin(GPIO_PORT_P9, LED_VERTE);
                break;
        }

        Task_sleep(1000);
    }
}

/*****
 * ===== Task_Event_BTN2 =====
 *****/
void Task_Event_BTN2(UArg arg0, UArg arg1)
{
    uint16_t Posted;

    while (1)
    {
        Posted = Event_pend(event0,          // hande du registre
event                                     Event_Id_NONE, // andMask
                                     BTN2_EVENT,    // orMask
                                     EVENT_TIMEOUT);

        switch(Posted)
        {
            case BTN2_EVENT:
                GPIO_setOutputLowOnPin(GPIO_PORT_P9, LED_VERTE);
                break;
        }

        Task_sleep(500);
    }
}

/*****
 * ===== Irq_Port1 =====
 *
 * Vector: ( .int37 )
 *****/
void Irq_Port1(unsigned index)
{
    uint16_t Status = GPIO_getInterruptStatus(GPIO_PORT_P1,
BOUTON1+BOUTON2);

    switch(Status)
    {

```

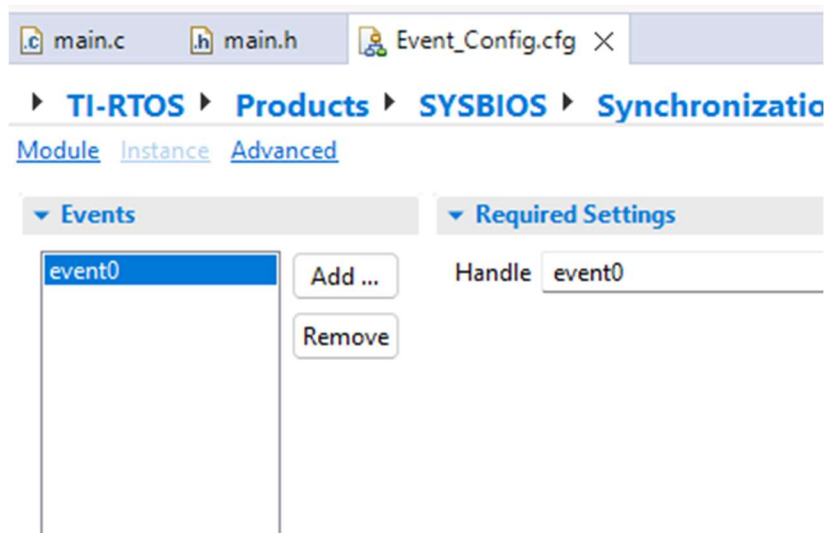
```

    case BOUTON1:
        Event_post(event0, BTN1_EVENT);
        GPIO_clearInterrupt(GPIO_PORT_P1, BOUTON1);
        break;

    case BOUTON2:
        Event_post(event0, BTN2_EVENT);
        GPIO_clearInterrupt(GPIO_PORT_P1, BOUTON2);
        break;
}

/*****

```



Outline X

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- BIOS
- Boot
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- Config (ti.mw)
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 - event0
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- ▼ • Hwi (ti.sysbios.family.msp430)
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