SMALL OPERATING SYSTEM (SOS)

PREPARED BY
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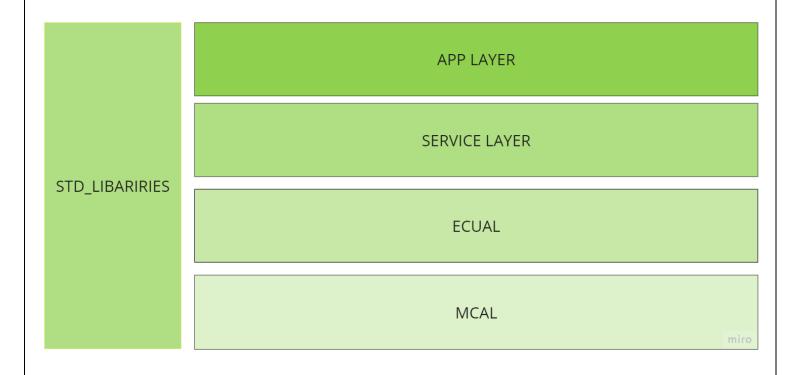


Sprints SOS

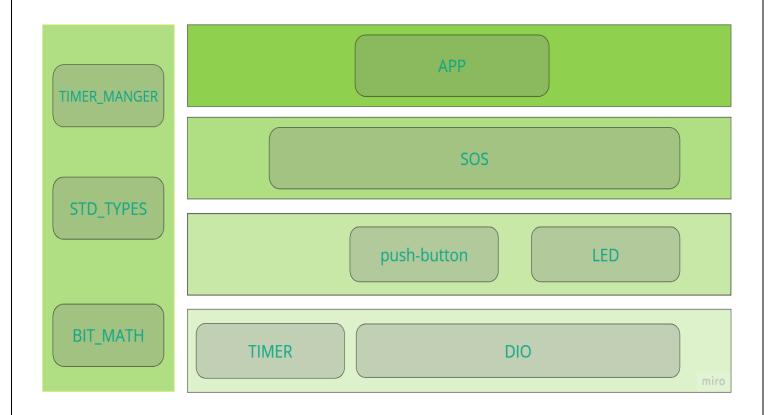
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11 0:000 Diagram for 000 module minimum minimu	

1. High Level Design

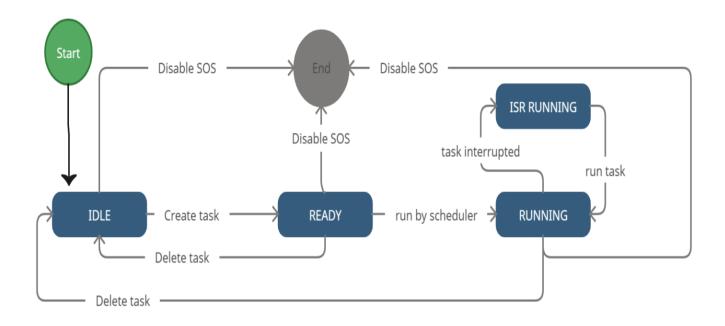
- 1.1 System Architecture
 - 1.1.1. Layered Architecture



1.1.2. System modules

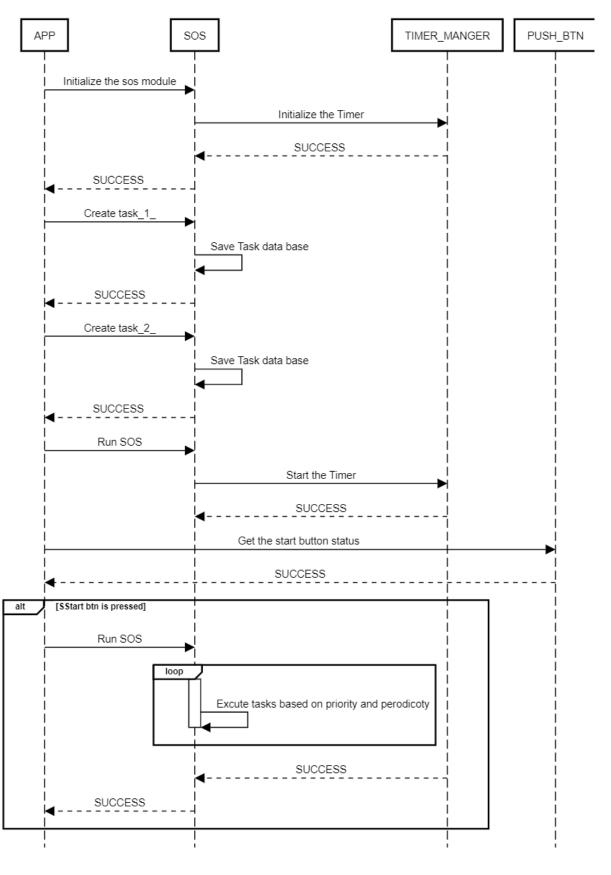


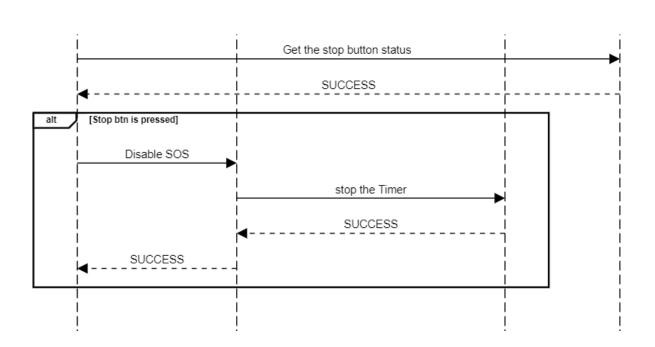
2. State Machine diagram for SOS module



3. Sequence Diagrams for Application Logic

APPLICATION LOGIC





4. Class Diagram for SOS Module

+ strPtrs_tasks: str_task_control_data_t * = NULL; + u8_sg_sos_time_counter:uint8_t = 0; + u8_sg_sos_task_counter:uint8_t = 0; + st_g_sos_timer:st_timerConfigType; + SOS_init (void):enu_sos_status_t + SOS_deinit (void):enu_sos_status_t + SOS_dinit (void):enu_sos_status_t + SOS_disable(void):enu_sos_status_t + SOS_disable(void):enu_sos_status_t + SOS_create_task(str_task_control_data_t*strPtr_task_control_data):enu_sos_status_t + SOS_modify_task(uint8_tu8_a_oldTask_id,str_task_control_data_t*strPtr_new_task_control_data):enu_sos_status_t + SOS_delete_task (uint8_tu8_a_Task_id):enu_sos_status_t

TIMER_MANGER

- + sst_config :st_timerConfigType
- $+ \ TIMER_Manager_init \ (st_timerConfigType* \ st_config): \ u8_en_timerErrorsType$
- + TIMER_Manager_start (st_timerConfigType* st_config): u8_en_timerErrorsType
- + TIMER_Manager_stop (st_timerConfigType* st_config): u8_en_timerErrorsType
- + TIMER_Manager_deinit (st_timerConfigType* st_config): u8_en_timerErrorsType