

## 0.1 Tasks

### 0.1.1 ROSA\_tcbDelete

Prototype: unsigned int ROSA\_tcbDelete(tcb \*taskHandle);  
Description: Removes a task from kernel  
Parameters: tcb \*taskHandle  
- a pointer to the TCB block to be deleted  
Return: unsigned int  
- 1: Successful  
- 0: Unsuccessful  
Motivation: Required by the customer

### 0.1.2 ROSA\_tcbCreate (modified)

Prototype: unsigned int ROSA\_tcbCreate(tcb \*taskHandle, char \*id, void \*taskFunc, unsigned int taskPrio, int \*stack, int stackSize);  
Description: Creates a TCB entry according to the given parameters  
Parameters: tcb \*taskHandle  
- A pointer to the TCB block to be created  
char \*id  
- A identification for the TCB block of length NAMESIZE (default NAMESIZE = 4)  
void \*taskFunc  
- A pointer to the function which are to be executed by the task  
unsigned int taskPrio  
- The task priority  
int \*stack  
- A pointer to the task stack area  
int stackSize  
- The maximum allowed stack for this task  
Return: unsigned int  
1: Successful  
0: Unsuccessful  
2: Out of Memory  
3: Task Handle is busy  
Motivation: Includes additional parameter Task priority