RTX P1 REQUIREMENTS

P1 Requirements : API

- Memory Management: a memory pool which has fixed size of memory block and fixed number of memory blocks.

```
void *request_memory_block()
int release_memory_block(void *memory_block)
```

- Processor Management

```
int release_processor()
```

- Process Priority Management

```
int set_process_priority(int process_id, int priority)
int get_process_priority(int process_id )
```

P1 Requirements: Processes

- Null Process
  - A system process which does nothing in an infinite loop. PID=0.

- Test Processes
  - Up to six test processes with PIDs = 1,2, ..., 6
  - User level processes, only calls the user APIs

- Initialization
  - Memory, system processes and user processes

All processes never terminate!
No new process created on the fly.