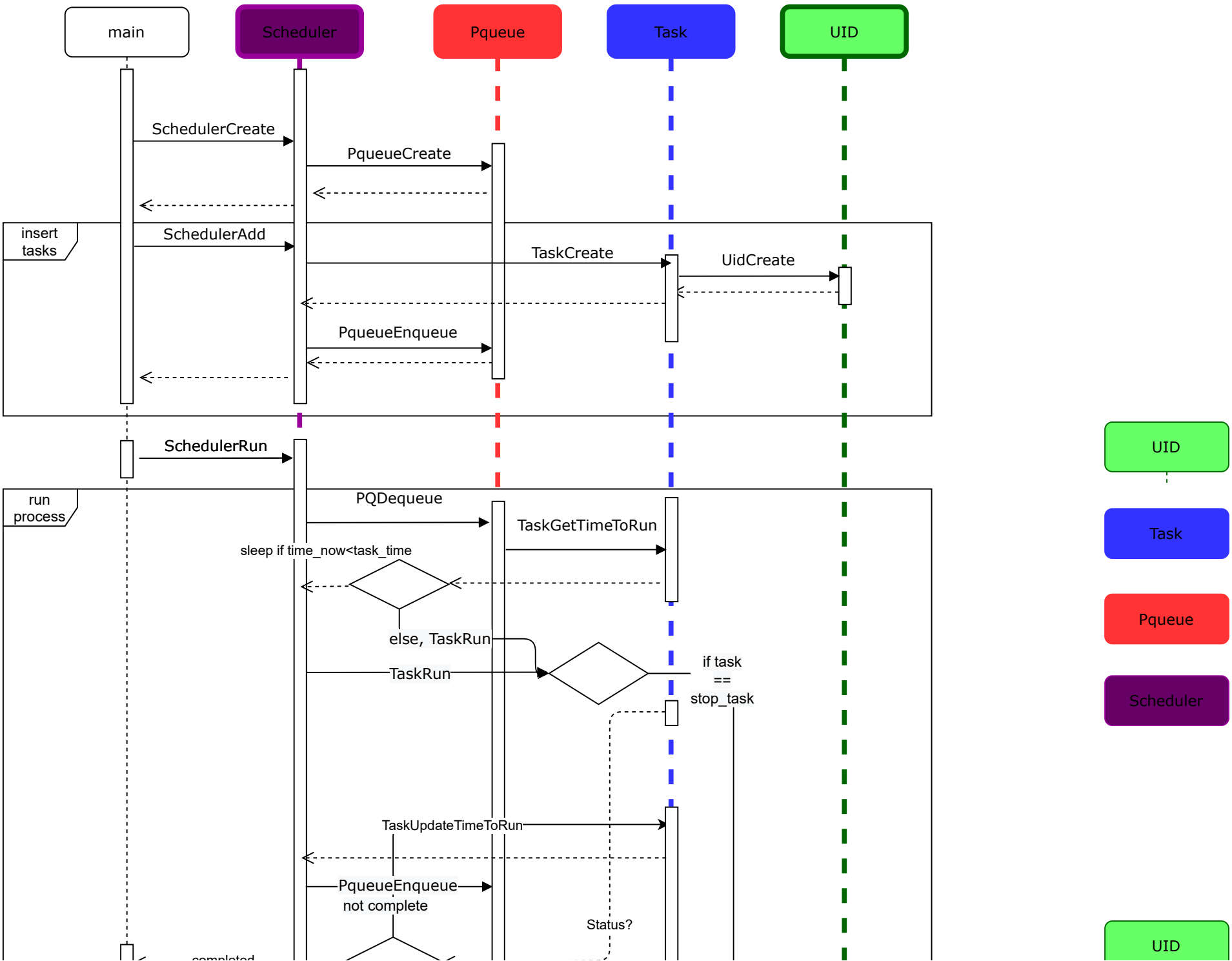
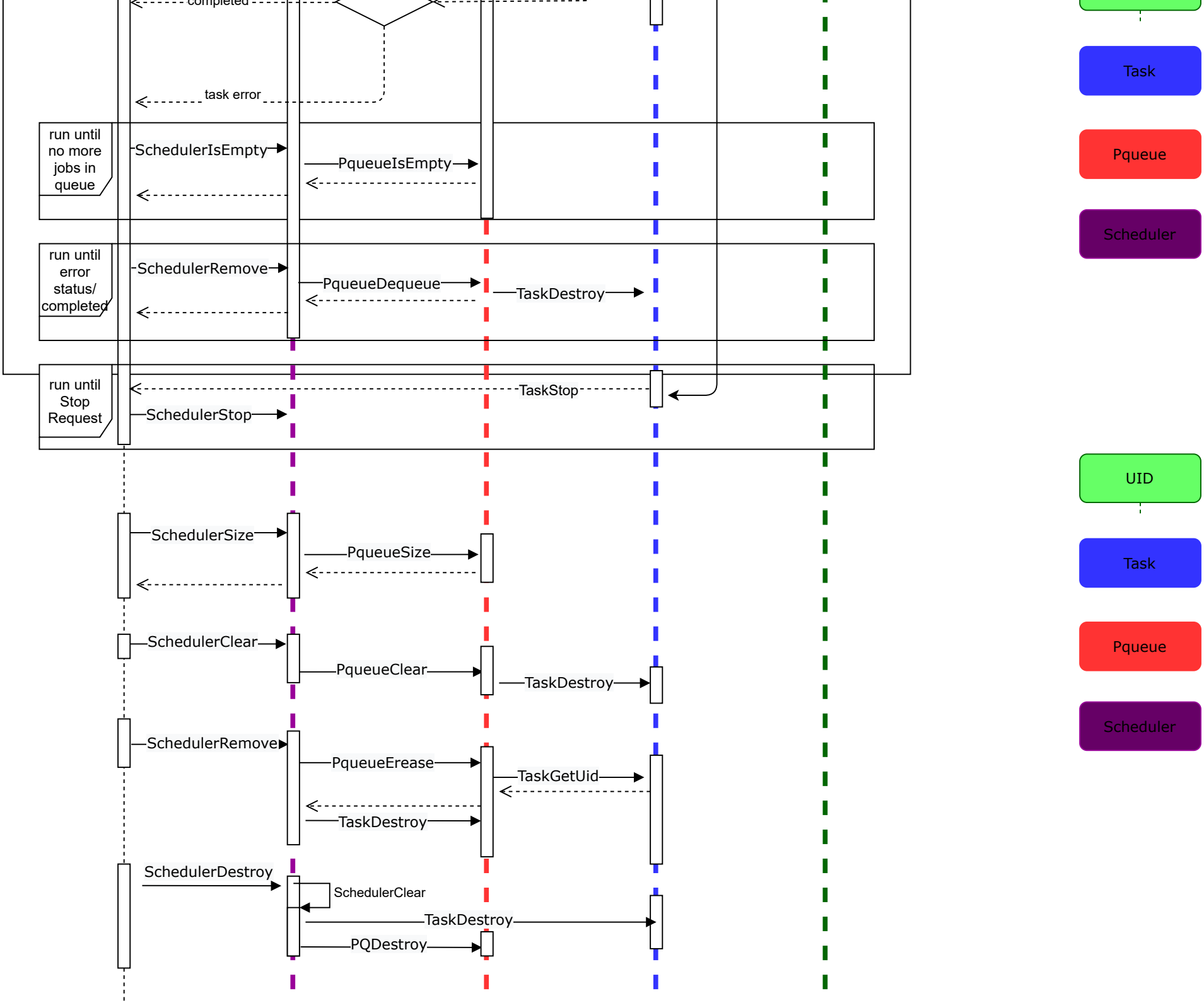

main
Scheduler
Pqueue
Task
UID
SchedulerCreate
PqueueCreate
insert tasks
SchedulerAdd
TaskCreate
UidCreate
PqueueEnqueue
SchedulerRun
run process
PQDequeue
TaskGetTimeToRun
sleep if time_now<task_time
else, TaskRun
TaskRun
if task == stop_task
TaskUpdateTimeToRun
PqueueEnqueue
not complete
Status?
UID
Task
Pqueue
Scheduler
UID


completed
task error
run until no more jobs in queue
SchedulerIsEmpty
PqueueIsEmpty
run until error status/ completed
SchedulerRemove
PqueueDequeue
TaskDestroy
run until Stop Request
TaskStop
SchedulerStop
SchedulerSize
PqueueSize
SchedulerClear
PqueueClear
TaskDestroy
SchedulerRemove
PqueueErease
TaskGetUid
TaskDestroy
SchedulerDestroy
SchedulerClear
TaskDestroy
PQDestroy
Task
Pqueue
Scheduler
UID
Task
Pqueue
Scheduler