XCRAM
Program Design Language

Submitted to:

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Revision Control

History Revision:

Revision Date	***Person Responsible***	***Version Number***	***Modification***
11/17/2016	Robelle Silverio	1.0	Made the program logic for edit task

Program Specification: Edit Task

Input:

new_info – this could be a new name for a task, new start time for fixed task, new duration for task, or new priority for flexible task.

time - time assigned to the task that will be edited
taskname – name assigned to the task that will be edited

Output:

None

Program Logic:

```
Do
     If new info is string
          Read schedule=schedule-record
          If schedule_taskname=taskname and
               schedule_time=time Schedule_taskname=taskname
               Break
          Until end-of-file
     If new_info is varchar
          Read next schedule=schedule-record
          FILE temp_sched
          Initialize new_schedule=NULL
          If schedule_taskname!=taskname or schedule_time!=time
               write schedule on temp_sched
          Else If schedule_taskname=taskname and
               schedule_time=time schedule_st=new_info
               schedule_et= schedule_st + schedule_duration
               new_schedule=schedule
          until end-of-file
          timeblock_locate(temp_sched,new_schedule_st,
     new_schedule_et)
          rename temp_sched to schedule

     if new_info is integer
          Read next schedule=schedule-record
          FILE temp_sched
          Initialize new_schedule=NULL
          If schedule_taskname!=taskname or schedule_time!=time
               write schedule on temp_sched
          Else If schedule_taskname=taskname and
               schedule_time=time schedule_st=new_info
               schedule_duration=new_info
               schedule_et= schedule_st + schedule_duration
               new_schedule=schedule
          until end-of-file
          timeblock_locate(temp_sched,new_schedule_st,
     new_schedule_et)
          rename temp_sched to schedule
     if new_info[0]='p'
```

```
     Read next schedule=schedule-record
     FILE temp_sched
     Initialize new_schedule=NULL
     If schedule_taskname!=taskname or schedule_time!=time
          write schedule on temp_sched
     Else If schedule_taskname=taskname and
          schedule_time=time schedule_priority=new_info
          new_schedule=schedule
     until end-of-file
     timeblock_locate(temp_sched,new_schedule_st,
new_schedule_et)
     rename temp_sched to schedule
```