Story Starts

Input Files

File containing Job Description

{ jobs.txt }

Schedule File

{ Schedule1.txt Schedule2.txt Schedule3.txt}

Program Flow

Input files -> schedular-1.c->Output files

Inside schedular-1.c file

-----START----

Take location of input files as command line arguments

create a list for diff jobs in input flies using array,display error message if input is invalid

initialize the job list size with max

readFile: Reads file and add to joblist

Open a file using function fopen() and store the file File pointer.

Read content of file using functions fgets()

Ex: J001:pipe bending:m1:45:expert accessories

J002:surface cleaning:m2:30:nice part makers

Function readFile

findDisplayAndRemoveInvalidJobs

Display & store the schedule description for each machine in text files.

Display error messages for invalid input file names.

Schedule1.txt, schedule2.txt,schedule3.txt.

invalidjobs.txt—it displays errors messages

* when description is empty, when machine no is less than 2, when duration is less than 1, when client name is empty the job is invalid

Function schedule Jobs

This function scheduleJobs based on jobList, jobCount, scheduleList, scheduleCount;

void groupScheduleList

group scheduleList based on machines

as machineSchedule machineScheduleList[MAX];

initialize machineScheduleCount

int machineScheduleCount = 0;

Ex: groupScheduleList(scheduleList, scheduleCount, machineScheduleList, &machineScheduleCount);

void writeSchedule

write schedule from groupScheduleList by using machineScheduleList, machineScheduleCount

FINISHED