CSE7343 – Project Phase 1 Demo Instructions:

Your demo has two parts: (1) PCB queues, and (2) Schedulers.

(1) PCB queues: Before you start your demo to the instructor, add four PCBs in your ready queue and print all your queues including the ready queue on screen.

During Demo:

1.1. Add a new PCB to the ready queue after an existing PCB whose ID is given by user. Zero means first position in the queue. Print the queue on screen after this addition.
1.2. Delete a PCB whose ID is given by the user. Print the queue on screen after this deletion.

(2) Schedulers: Before you start your demo, prepare an input text file that includes the processes given in Table 1 to be loaded to your program. Text file input format was given in project sheet. Make sure your input file is editable.

During Demo:

2.1. Load you're your processes from the input text file to your program.

2.2. Run your SJF, FCFS, Non-Preemptive priority, and RR scheduler with a given Q parameter in batch (not one-by-one) by using the example processes loaded from the text file. Print Gann chart for each scheduler. Text format is OK. e.g. SJF: PIDx(start_time, finish_time), PIDy(start_time,finish_time), ……

2.3. List the waiting times of processes for each scheduler and compare these scheduling algorithms in terms of average wait time.

Expect to answer some questions.

Table 1: Processes

Process	Burst Time (m.sec)	Priority	Arrival Time (m.sec)
P1	6	2	8
P2	2	1	8
P3	8	1	0
P4	5	3	2
P5	10	4	6