Outputs for all algorithms using class example:

sbadrieva@Shokhinas-MBP CSC716FinalProject % ./sim <input

Rate Monotonic Scheduling Algorithm(RM):

There is no feasible schedule produced

EDF Scheduling Algorithm:

There is a feasible schedule produced

Total Time required is 400

CPU Utilization is 0.9375

DM Scheduling Algorithm:

There is no feasible schedule produced

sbadrieva@Shokhinas-MBP CSC716FinalProject % ./sim -a RM <input

Rate Monotonic Scheduling Algorithm(RM):

There is no feasible schedule produced

sbadrieva@Shokhinas-MBP CSC716FinalProject % ./sim -a EDF <input

EDF Scheduling Algorithm:

There is a feasible schedule produced

Total Time required is 400

CPU Utilization is 0.9375

sbadrieva@Shokhinas-MBP CSC716FinalProject % ./sim -a DM <input

DM Scheduling Algorithm:

There is no feasible schedule produced

sbadrieva@Shokhinas-MBP CSC716FinalProject % ./sim -d <input

Rate Monotonic Scheduling Algorithm(RM):

CPU Utilization is 1

There is no feasible schedule produced. Schedule can be feasible from time 0 to time 75 units. At time 75 process 2 missed the deadline. From time 0 to 75 CPU Utilization is 1

Process 1

Arrival time: 0

Service time: 25

Relative deadline: 50

Period: 50

Finish time: 25 75

Process 2

Arrival time: 0

Service time: 35

Relative deadline: 80

Period: 80

Finish time:

EDF Scheduling Algorithm:

There is a feasible schedule produced

Total Time required is 400

CPU Utilization is 0.9375

Process 1

Arrival time: 0

Service time: 25

Relative deadline: 50

Period: 50

Finish time: 25 85 145 175 235 300 325 385

Process 2

Arrival time: 0

Service time: 35

Relative deadline: 80

Period: 80

Finish time: 60 120 210 275 360

EDF Scheduling Algorithm:

There is a feasible schedule produced

Total Time required is 400

CPU Utilization is 0.9375

Process 1

Arrival time: 0

Service time: 25

Relative deadline: 50

Period: 50

Finish time: 25 85 145 175 235 300 325 385

Process 2

Arrival time: 0

Service time: 35

Relative deadline: 80

Period: 80

Finish time: 60 120 210 275 360

sbadrieva@Shokhinas-MBP CSC716FinalProject % ./sim -v input

Rate Monotonic Scheduling Algorithm(RM):

At time: 0, process 1 is scheduled until 25

At time: 25, process 2 is scheduled until 50

At time: 50, process 2 is preempted by process 1

At time: 50, process 1 is scheduled until 75

EDF Scheduling Algorithm:

At time: 0, process 1 is scheduled until 25

At time: 25, process 2 is scheduled until 50

At time: 50, process 2 is preempted by process 2

At time: 50, process 2 is scheduled until 60

At time: 60, process 1 is scheduled until 80

At time: 80, process 1 is preempted by process 1

At time: 80, process 1 is scheduled until 85

At time: 85, process 2 is scheduled until 100

At time: 100, process 2 is preempted by process 2

At time: 100, process 2 is scheduled until 120

At time: 120, process 1 is scheduled until 145

At time: 150, process 1 is scheduled until 160

At time: 160, process 1 is preempted by process 1

At time: 160, process 1 is scheduled until 175

At time: 175, process 2 is scheduled until 200

At time: 200, process 2 is preempted by process 2

At time: 200, process 2 is scheduled until 210

At time: 210, process 1 is scheduled until 235

At time: 240, process 2 is scheduled until 250

At time: 250, process 2 is preempted by process 2

At time: 250, process 2 is scheduled until 275

At time: 275, process 1 is scheduled until 300

At time: 300, process 1 is scheduled until 320

At time: 320, process 1 is preempted by process 1

At time: 320, process 1 is scheduled until 325

At time: 325, process 2 is scheduled until 350

At time: 350, process 2 is preempted by process 2

At time: 350, process 2 is scheduled until 360

At time: 360, process 1 is scheduled until 385

DM Scheduling Algorithm:

At time: 0, process 1 is scheduled until 25

At time: 25, process 2 is scheduled until 50

At time: 50, process 2 is preempted by process 1

At time: 50, process 1 is scheduled until 75

sbadrieva@Shokhinas-MBP CSC716FinalProject %