**Lab 2 Report**

Tyler Crabb

A01389040

Carter Nettesheim

A02248990

Discuss the differences in the schedules generated using RM and EDF in terms of preemptions and deadline misses, along with any other conclusions and observations.

5

600

A, 10, 100

B, 15, 100

C, 20, 100

D, 30, 100

E, 20, 200

5

V, 5, 55

W, 15, 175

X, 10, 230

Y, 10, 265

Z, 15, 280

Rate monotonic scheduling is a good scheduling algorithm, most of the time and for low utilizations. It is heuristic, but not optimized. We need a dynamic-based algorithm like Earliest Deadline First.



For EDF, how do we compute the deadline? How often is it computed?

Earliest Deadline First is an online scheduling dynamic. Preemption will happen. There are dynamic priorities, meaning that whomever has the soonest deadline has the highest priority. This is anytime any task is released, or is completed.

