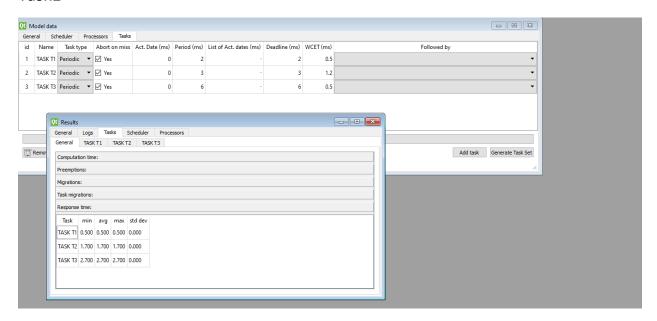
Assignment 3

Task1



1. What is the utilization factor of the system and what is the value for Urm(3)?

U = 0.7410

Urm(3) = 0.7797631497

2. What is the minimum/maximum/average response time of all tasks?

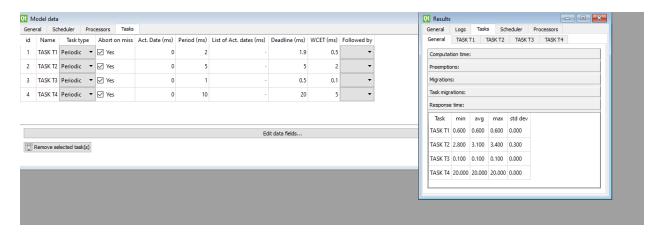
Task1 minimum = 0.500 and maximum is 0.500 ms

Task2 minimum = 1.700 and maximum is 1.700 ms

Task3 minimum = 2.700 and maximum is 2.700 ms

3. If a deadline is missed, could it be avoided by changing the scheduler? No there is not

Task2



1. What is the utilization factor of the system and what is the value for Urm(4)?

U = 1

Urm(4) = 0.75682846

2. What is the minimum/maximum/average response time of all tasks?

Task1 minimum = 0.600 and maximum is 0.600 ms

Task2 minimum = 3.100 and maximum is 3.400 ms

Task3 minimum = 0.100 and maximum is 0.100 ms

Task4 minimum = 20.00 and maximum is 20.00 ms

3. Is any task missing the deadline? Which task? Where? Yes Task4

At t= 30, 40, 50, 60, 70, 80, 90, 100

4. If a deadline is missed, could it be avoided by changing the scheduler? No because Utilization is equal to 1