Operating Systems CPU Scheduler

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Section 1

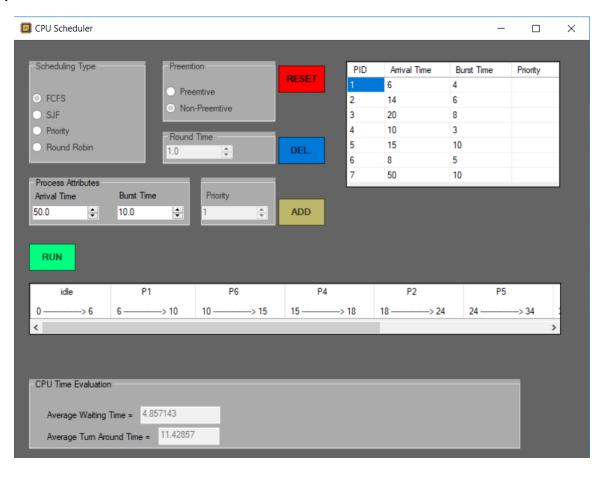
How to use the program:

- 1) Choose the desired Algorithm.
- 2) Choose the Preemtion option (if required).
- 3) Enter the processes' Attributes.
- 4) Click ADD.
- 5) If mistaken Attributes was entered, just click "DEL" to remove it.
- 6) Hit "RESET" to remove all the Data entered
- 7) When entering the attributes is finished, just click "RUN" and wait for the Results :D.

("Just as simple as that 😉 ")

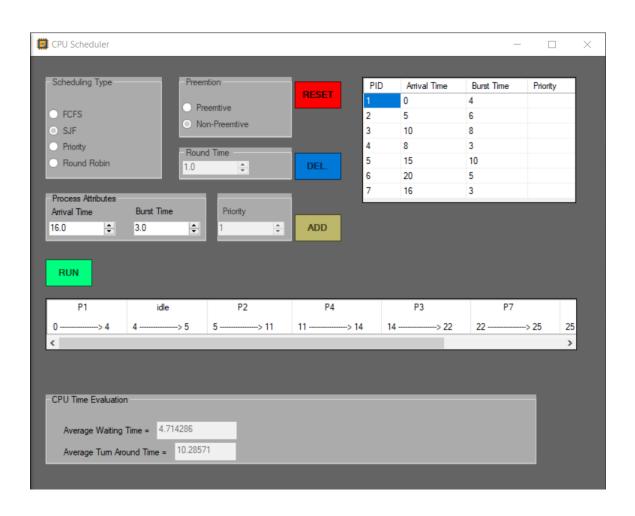
Test Cases:

1) First Come First Served



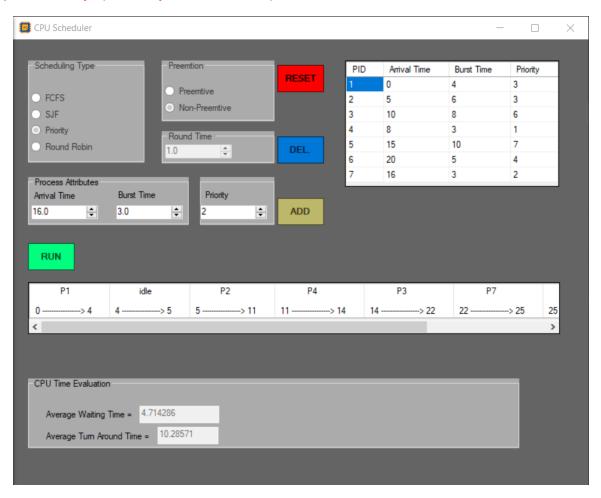
P5	P3	idle	P7	
24> 34	34> 42	42> 50	50> 60	
				>

2) Shortest Job First (non-preemtive)



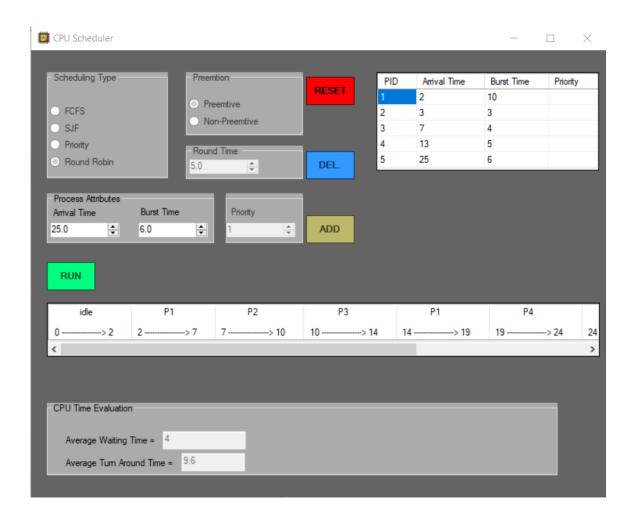
P7	P6	P5	
22> 25	25> 30	30> 40	
			>

3) Priority (non-preemtive)



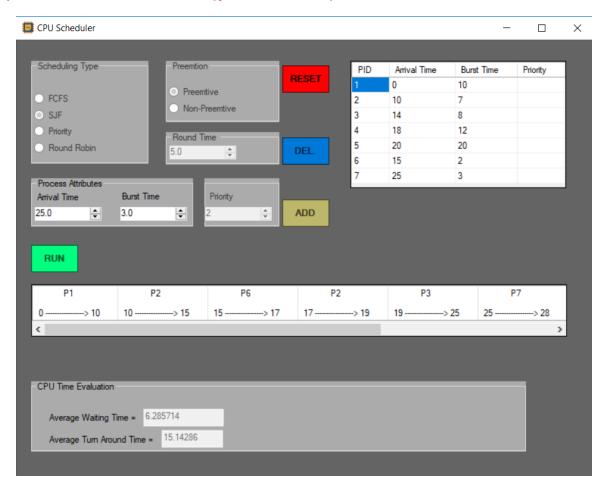
P7	P6	P5
22> 25	25> 30	30> 40
		>

4) Round Robin (Quantum=5)



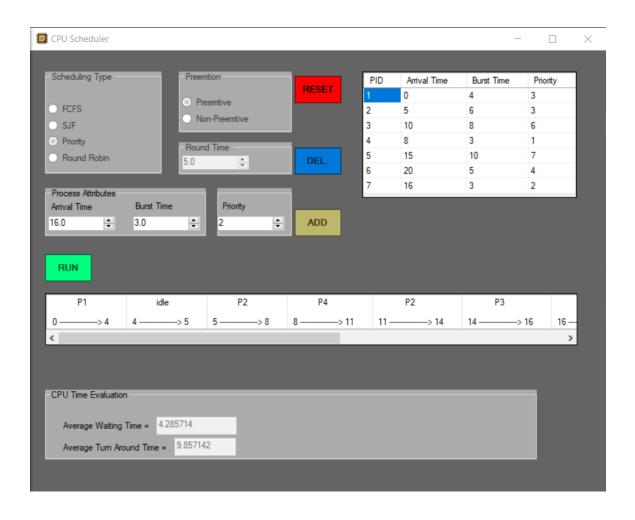
P3	P1	P4	idle	P5	P5
10> 14	14> 19	19> 24	24> 25	25> 30	30> 31
<					>

5) Shortest Job First (preemtive)



P7	P3	P4	P5	П
25> 28	28> 30	30> 42	42> 62	
				>

6) Priority (preemtive)



P3	P7	P3	P6	P3	P5	\neg
14> 16	16> 19	19> 20	20> 25	25> 30	30> 40	
<					>	

That's it 😂