

Process Scheduling for John Russo generated Mon Nov 07 13:02:18 EST 2011

Process Scheduling Simulator version 1.100L288 by S. Robbins supported by NSF grants DUE-9750953 and DUE-9752165.
See <http://vip.cs.utsa.edu/nsf> for simulator information.

Java version 1.6.0_27 OS Windows 7 version 6.1 6074824536

Configuration File:

logdir .
logfn logfile.html
imagename gifim
user John Russo
quiet
portable true
run myrun
exp myexp

Number of Run Files: 1

name myrun
comment This contains two types of processes
algorithm SJF
seed 5000
numprocs 15
firstarrival 0.0
interarrival constant 0.0
duration uniform 10.0 15.0
cpuburst constant 10.0
ioburst uniform 10 20
basepriority 1.0

numprocs 15
firstarrival 0.0
interarrival constant 0.0
duration constant 4.0
cpuburst constant 1.0
ioburst uniform 10.0 20.0
basepriority 1.0

Number of Experiment Files: 1

name myexp
comment This experiment contains 2 runs
run myrun algorithm FCFS key "FCFS"
run myrun algorithm SJF key "SJF"

Experimental Run Information for 1 Run
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myrun: This contains two types of processes Seed: 0 Algorithm: SJF						
Group	Processes	First Arrival	Interarrival	Duration	CPU Burst	I/O Burst
1	15	0.0	constant 0.00	uniform 10.00 15.00	constant 10.00	uniform 10.00 20.00
2	15	0.0	constant 0.00	constant 4.00	constant 1.00	uniform 10.00 20.00

Experimental Runs For 1 Experiment			
Experiment	Commentary	Run	Modifications
myexp	This experiment contains 2 runs	myrun_1	algorithm FCFS
			key FCFS
		myrun_2	algorithm SJF
			key SJF

Starting experiment of 2 runs from myexp

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Starting run from myrun_1

Starting to run events using FCFS

271 events done in 51 milliseconds

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Starting run from myrun_2

Starting to run events using SJF

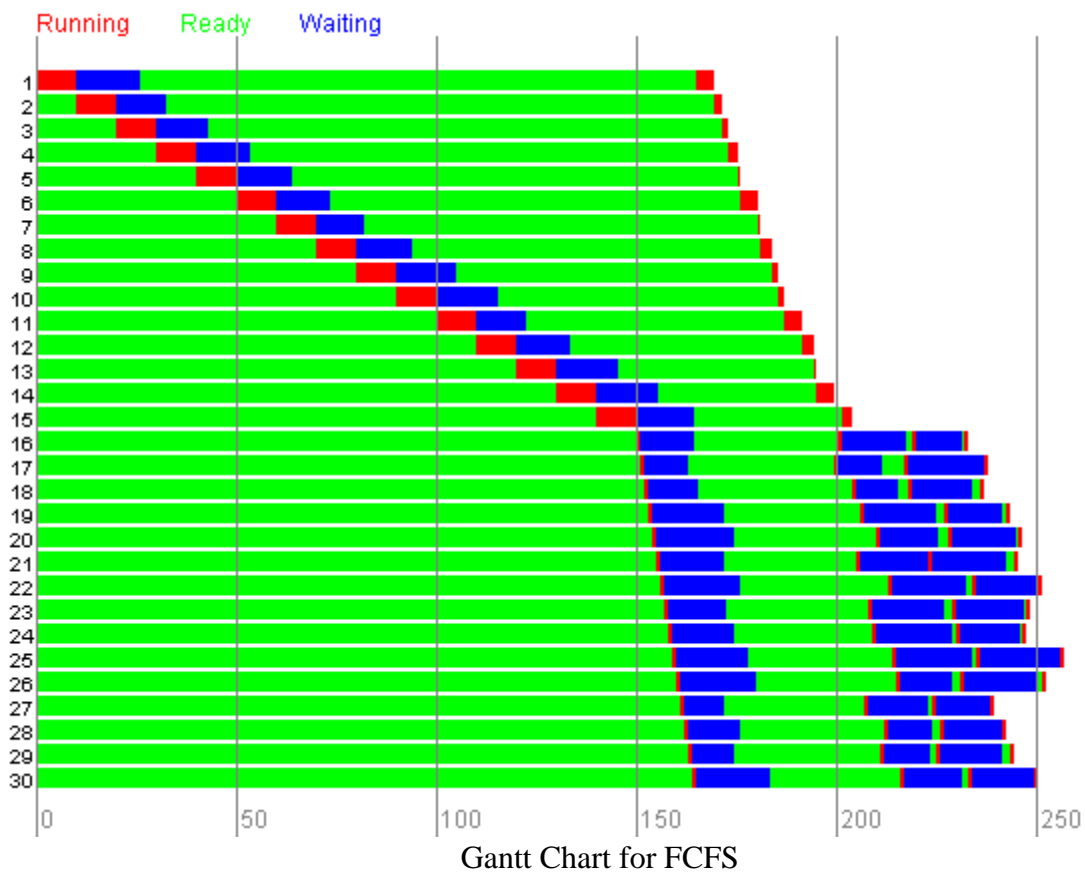
271 events done in 42 milliseconds

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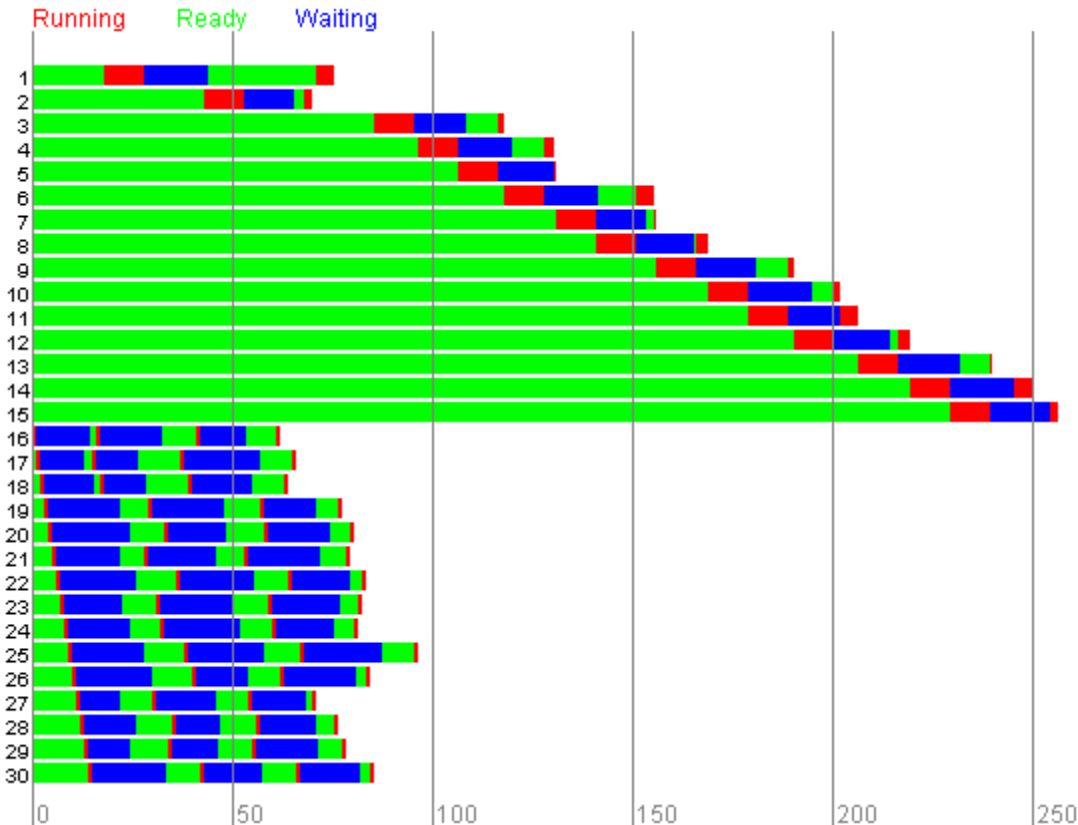
									Entries		Average Time	
Name	Key	Time	Processes	Finished	CPU Utilization	Throughput	CST	LA	CPU	I/O	CPU	I/O
myrun_1	FCFS	257.05	30	30	.96104	.116711	0.00	20.59	90	60	2.74	15.20
myrun_2	SJF	256.90	30	30	.96158	.116777	0.00	10.07	90	60	2.74	15.20

		Turnaround Time				Waiting Time			
Name	Key	Average	Minimum	Maximum	SD	Average	Minimum	Maximum	SD
myrun_1	FCFS	215.05	169.60	257.05	31.45	176.41	138.82	202.24	.66
myrun_2	SJF	124.87	62.00	256.90	62.17	86.23	16.69	229.82	2.37

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Gantt Chart for SJF