

CS537 – Operating Systems

PROJECT 2B

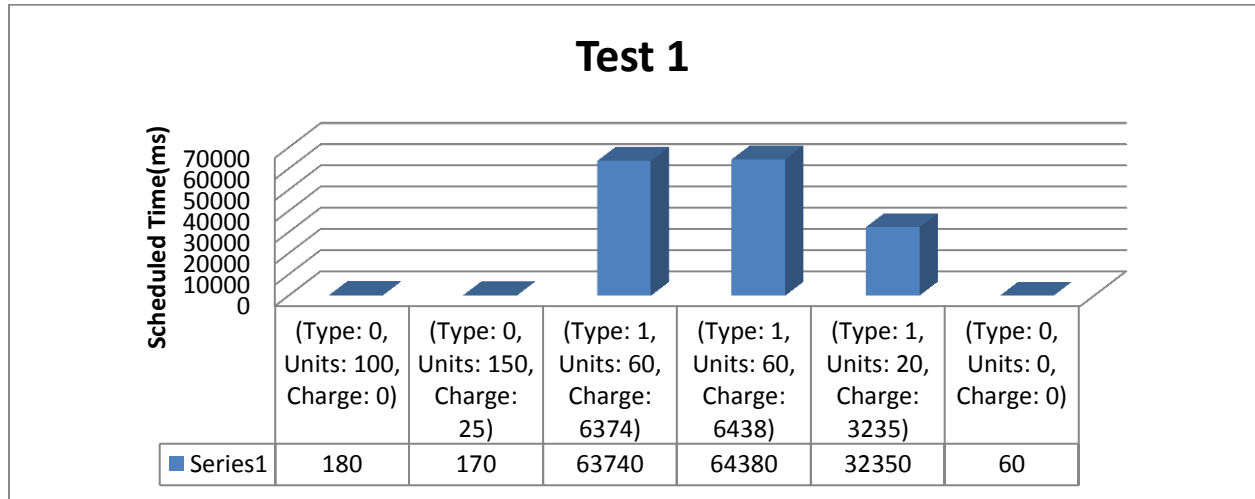
Aditya Venkatraman, Yash Arya

The following graphs test the functionality of the scheduler implemented as part of this project.

Test 1: Only Reserved Processes

Case: 3 reserved processes, 2 occupying same CPU time, 1 occupying lower CPU time.

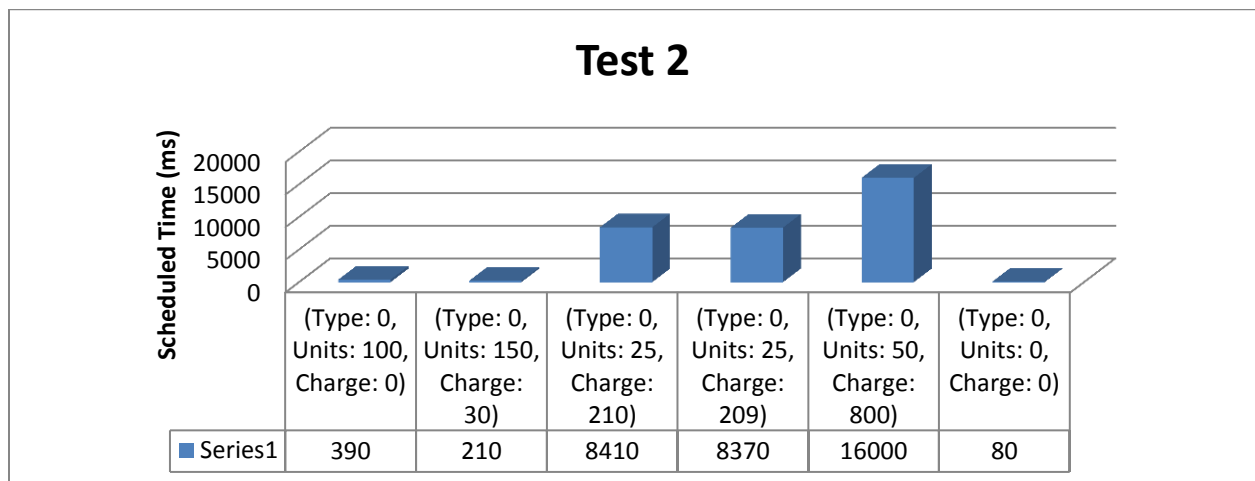
Expectation: Higher 2 processes served equally, lower 1 process served less.



Test 2: Spot Processes Only

Case: 3 Spot Processes, 2 same bid, 1 higher bid.

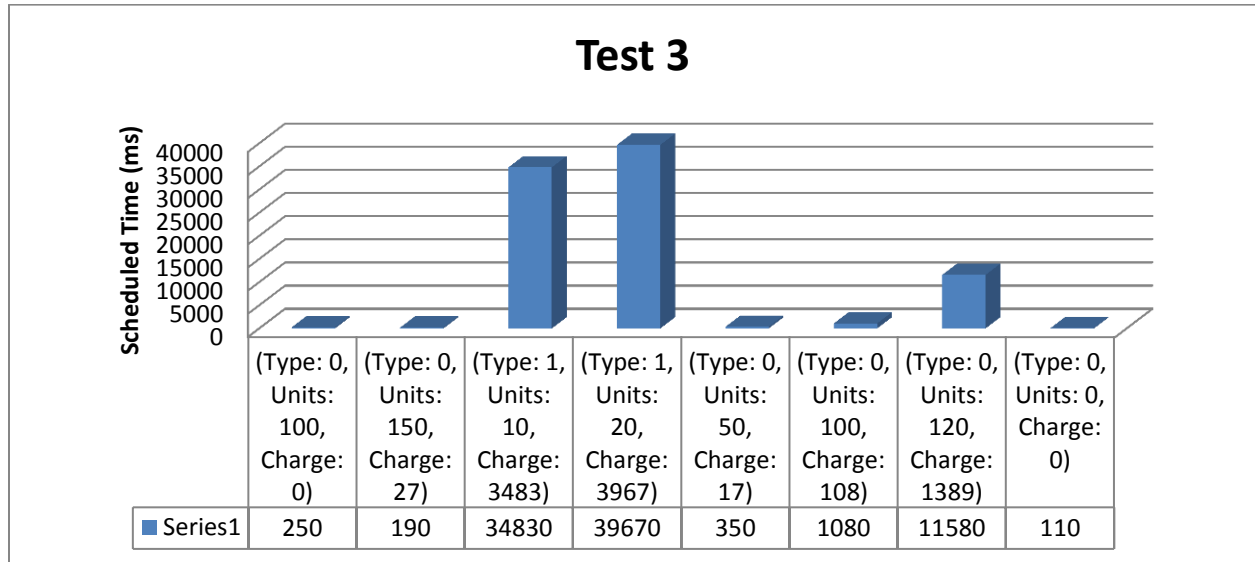
Expected: Higher one served the most, other two served equally



Test 3: Both Reserved and Spot Processes

Case: 2 Reserved processes, 10% & 20%. Also spawning some Spot processes.

Expectation: 2 Reserved will get most time, followed by highest bidding Spot.



In the above graphs,

On X-Axis

Type 0 refers to Spot Processes and **Type 1** refers to Reserved processes.

Units refers to bid for Spot Processes and **CPU_Time** for Reserved Processes

Charge refers to the charge in microdollars.

On Y-Axis

Scheduled Time is in milliseconds.