

CPU Scheduling Simulator - Project Overview

This project is a visual simulator of CPU scheduling algorithms, built using Streamlit.

It allows users to configure processes with arrival time, burst time, and priority, and simulate them using the following algorithms:

- FIFO
- SJF
- SRTF (preemptive)
- Priority (cooperative and preemptive)
- Round Robin (with configurable quantum)

The system includes:

- Tabulated results (waiting and response time)
- Gantt chart
- Step-by-step calculations
- Execution queue
- PDF export
- Interactive web GUI with Streamlit

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📄 Simulador de Planificación de CPU

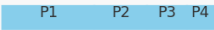
⚙ Configuración

Quantum: 3
N° Procesos: 4
Algoritmo: SJF

📄 Resultados

Proceso	Espera	Respuesta
P1	0	7
P2	5	9
P3	8	11
P4	9	11

📄 Diagrama de Gantt



📄 Cálculo medio:

Espera: $(0 + 5 + 8 + 9) / 4 = 5.5$
Respuesta: $(7 + 9 + 11 + 11) / 4 = 9.5$

📄 Exportar resultados a PDF