

# Testing Scheduler Assignment

September 6, 2024

## 1 Important Notes

- Due to issues with using `sleep(time)` to simulate a process for a certain duration, we will avoid it in tests. The structure for `dummy_process` that will be used for testing is outlined in the Sample Cases folder and included in each scheduler's directory for your convenience.
- As we are implementing the scheduler in C, system overheads may prevent processes from running for precise durations. Therefore, exact process runtime will not be assessed; instead, we'll check if your code accurately replicates the intended scheduler behavior.
- If your process terminates before completing its time slice, you may count the entire time slice as the burst duration.
- Omit implementing Shortest Remaining Time First in `online_schedulers.h`, as you have not covered locks in class.
- Maximum number of processes: 50
- Time slices and process durations will be a multiple of 1 second.
- Your scheduler starts at  $T = 0$ .

## 2 Test Execution

The input for each scheduler test is provided in its respective folder.

- The standard output is recorded in the **output** file.
- Results for each scheduler are stored in `result_offline_Scheduler.csv`.