

Project

Milestone 01 Description

Milestone 01 Overview

In this milestone, you will be asked to implement a foundation for the upcoming milestones. You are asked to implement threads and experiment with different scheduling algorithms. See below sections for more details.

Detailed Description

Threads

You need to implement 4 threads using the pthreads library in C. The threads should include a minimum of 3 print statements. You are free to choose the specifics. However, make sure to output the thread ID as a way of identifying the threads.

Scheduling

A scheduling Algorithm is an algorithm that chooses the process (in this case the threads) that gets to execute. As mentioned in the lectures and tutorials, there are many different scheduling algorithms to schedule threads. In this milestone, you can experiment with the pre-defined scheduling algorithms and observe how the outputs change.

Submission Guidelines

- The deadline for submission is **Tuesday 16 April, 2024 at 11:59 PM**
- You are requested to submit the following documents:
 1. the working code (please narrate and comment on the results)
→ **name the Video (MS_01_Team_m_Video.mp4)**
 2. The required project description report
→ **name the report (MS_01_Team_m_Report.pdf)**
 3. The developed C code of the experiment and the CMakeLists.txt, and any additional library used in a single zip folder in a single zip folder
→ **name the Code (MS_01_Team_m_Code.zip)**
- Please upload your milestone deliverables to your drive as a .zip file with the following naming format:
(Ex.: CSEN602_S24_MS_0n_Team_m.zip)
where m is your team number and n is the milestone number you are currently submitting.
- Submit **ONLY** the sharing link through the below form and **Make sure that you give permission to access**
 - https://docs.google.com/forms/d/e/1FAIpQLSfAY94XLjb-HMa2raeU27LuPV78NwioGKnZTnB3WE4qPeKkug/viewform?usp=sf_link