TU Clausthal

Requirements Engineering
Exercise – 5

Published on: 12.01.2026 - 4:00 PM

Deadline: 26.01.2025 – 1:59 PM

Submission location: Moodle Course Page

Task(s):

Submission guidlines:

- Please use SNAKES CPN ONLY.
- Upload a valid python file and Simulation State PNG Images

Scenario: In the Lecture we simulated the simple example of a Process reading a file and then writing back to it. Now, imagine the scenario, with two Processes trying to read or write to the same file.

Task(s):

1. Try to implement any form of locking mechanism of your choice, so that the file is not written to while another Process is writing to it, and vice versa.

2. Hint: Inhibitor arcs?

3. You can find the example file used during the lecture and the simulation tools provided here: https://github.com/ETCE-LAB/RE-CPN-Exercises.

Questions? → etce-re@tu-clausthal.de
We will ignore all emails to our private email accounts!

Institut für Software
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