TU Clausthal

Requirements Engineering

Exercise – 6

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Deadline: 26.01.2026 – 1:59 PM

Submission location: Moodle Course Page

Task(s):

Submission guidelines:

- Please upload exactly ONE SNAKES python file, Simulation State PNG Images, and your AOM Goal and Behaviour Interface models as PDF files
- Please use SNAKES CPN ONLY.
- Please review your submission once you have uploaded the CPN model and then click the Submit button.

Scenario: Same as Exercise 04

Task(s):

1. Create a CPN model based on the AOM Goal and Behavioral Interface Models using the mapping heuristics discussed in the lecture.
2. The initial tokens (initial state) of your system should reflect at least 2 scooters and 2 commuters. More generally → Please ensure a level of complexity similar to the EV Charging CPN model example given in the lecture.
3. To make it easier for you, you can adapt and modify your solution from the ChargingStation example here: https://github.com/ETCE-LAB/RE-CPN-Exercises
4. Since SNAKES CPN does not support hierarchical CPNs, you may omit this aspect.
5. You can choose a simple subset of the goals and only model those, **however:** this subset should include the *interesting* component of the system, i.e., the reserving, riding the E-Scooter, and computation of the ride cost. Optionally you can also include registration and payment process.
6. You can modify your AOM models if you feel the need to, as long as the updated model meets the task description from Exercise 4.
7. **Please upload your AOM Goal and Behavior Interface models again even if you do not modify them.**

8. Please make sure that your CPN model has no errors.

Questions? → etce-re@tu-clausthal.de

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