Requirements Engineering
Exercise – 6

Published on: 08.01.2024 - 4:00 PM

Deadline: 22.01.2024 – 1:59 PM

Submission location: [Moodle](#) → Exercise 06
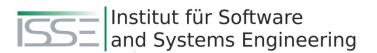
Task(s):

<u>Submission guidelines:</u>

- Please upload exactly ONE .cpn file and your AOM Goal and Behaviour Interface models as PDF files.

- Please use CPN Tools V4.0.1 ONLY.

- You can upload a maximum of 3 files that collectively make up your submission.

- Please review your submission once you have uploaded the CPN model and then click the Submit button.

<u>Scenario:</u> Same as Exercise 04

<u>Task(s):</u>

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 CPN model example given in the lecture.

3. You can use the CPN model example used in the lecture and modify it to suit your needs.

4. You are welcome to use hierarchical CPNs to follow the Goal hierarchy if you like, but it is not mandatory.

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.**

Institut für Software
and Systems Engineering

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

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