

Business Process Technologies and Management

Exercises

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Assignment 3 - What to do?

1. Export BPMN 2.0 XML from Signavio
2. Use Camunda on your PC/Laptop
 - <https://docs.camunda.org/get-started/quick-start/>
 - Docker to install platform, platform runs then on your PC at <http://localhost:8080>
 - Install Modeller from <https://camunda.com/download/modeler/>
 - Use modeller to either import from Signavio, or remodel according to the simplification rules you learned
 - Make the process runnable by attaching a simple UI to **each task** - for each task the UI (integrated UI modeller) can yield the data you need for execution
 - Conditions on your process should properly work with the data you gather from the UI
 - The goal is full data flow
 - At least three tasks should accept multiple an generate multiple output
 - At least three tasks should display the value of input
 - An additional last task should show the current process context
 - Decisions (and loops) should dynamically work, depending on the user input
3. Use cpee.org - <https://cpee.org/flow/>
 - Remodel according to the simplification rules you learned
(15 bonus points if you translate to CPEE trees with the algorithm found in https://www.researchgate.net/profile/Jana-Koehler-2/publication/220351199_The_refined_process_structure_tree/links/53f5c1310cf2f6eacc6f65ea/The-refined-process-structure-tree.pdf)
 - Make the process runnable by using the endpoints provided in a default instance.
 - Make the data flow happen, by simulating return in 'Finalize' snippets (scripting language: ruby)
 - Use the `rand()` method to generate custom process context, which then affects how the loops run.

Assignment 3 - Submission

Submission Artefacts:

1. Export BPMN 2.0 XML from Signavio - newest version
2. Working CPEE testset, which runs through automatically
3. A PDF document explaining how camunda is running through the process
 - A screenshot for how a ui is created and its properties
 - A screenshot how variables are passed
 - A screenshot per UI (for each task)
 - A screenshot of the running process
 - A screenshot of the last task displaying the context.

Deadline: as always, tuesday in 2 weeks, 23:59.

Please have first results in 1 week, so that we can discuss and answer questions in the course.