Business Process Technologies

ST2, Winter Term 2020 / 2021

Sheet 3: BPMN 2 (5 Points for Task 3)

1 XML Export/Import

Copy your existing BPMN model and export it as XML Analyze the data structure. Rename an alement and import it again.

2 Analysis "BPMN by Example

Analyze the examples from the document "BPMN by Example" of the BPMN homepage (especially regarding the task in 3) !!

3 Creating a "technical" BPMN model   (5 Points)

Create a BPMN model from a system view according to the following description (use a pool or no pool at all). Pay attention to the details of the symbols !

You should model the processes of a travel portal, where trips consisting of flight + hotel can be booked.

- Rough process: The user searches for trips (if necessary several times, sequentially). Then he either logs in and books a trip (if necessary several times, sequentially) or he leaves the portal.

- The step of booking a trip should now be more detailed (separate sub-process)

- First the user selects a trip, then the system tries to book it in one transaction.

- In the transaction (expanded subprocess), the flight and hotel are to be booked in parallel (each by an external service call). If this is successful, a booking confirmation should be displayed. Compensation tasks are to be modeled in each case.

- The following special cases are possible, where the booking process should be cancelled and the partial bookings should be reversed / compensated.

1) Cancellation of the transaction
2) Technical error
3) Timeout