

Business Process Technologies and Management

Exercises

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Assignment - What to do (total 20 points)?

1. Export BPMN 2.0 XML from Signavio
2. Create A Runtime Monitoring System for Your Process
 - Select appropriate **events** (not votes) from <https://cpee.org/flow/engine/1/notifications/topics/>
 - Save your testset to a file
 - Add **ONE** subscription to your testset file (edit the XML) - as a child of the the testset element. A proposed subscription (example):

```
<subscriptions xmlns="http://riddl.org/ns/common-patterns/notifications-producer/2.0">
  <subscription xmlns="http://riddl.org/ns/common-patterns/notifications-producer/2.0" id="_student"
url="https://lehre.bpm.in.tum.de/~tumuser/log.php">
    <topic id="dataelements">
      <event>change</event>
    </topic>
  </subscription>
</subscriptions>
```
3. Requirements
 - your monitoring systems knows the semantics - i.e., which dataelement has which meaning
 - Do: how many burgers have I server, how many drinks have I served, distribution of drinks
 - Dont: how many process instances have been started, how many have finished
 - Use a javascript library in the browser (D3JS, Plotly, GR Framework) to create an active visualization.
 - Create a backend, and a frontend which communicate with SSE (Server Sent Events).