**BPMN Designer Prompt**

**TRACE GENERATION Prompt (From models)**

**Context:** We have a tool to create BPMN 2.0 models, called “BPMN designer”. The tool is built upon Eclipse Ecore metamodels and utilizes Sirius features. The metamodel is designed to model BPMN flow objects (Events, activities, gateways), connecting objects (sequence flow, message flow, association), swim lanes (Pool, lane, dark pool), and artifacts (data object, group, annotation). These four categories enable the creation of simple business process diagrams (BPDs). BPDs also permit making new types of flow object or artifact, to make the diagram more understandable.

**Input Demonstration:** This is the “BPMN designer” metamodel:

<BPMN 2.0 METAMODEL>

This is an example model based on “BPMN-Designer” metamodel:

<BPMN 2.0 EXAMPLE MODEL>

**Output Demonstration:** This is the XES trace file representing the modeling step done when we created the example BPMN model based on “BPMN Designer” metamodel:

<XES EXAMPLE TRACE>

**Input Demonstration:** This is another example model based on “BPMN-Designer” metamodel:

<BPMN 2.0 EXAMPLE MODEL>

**Output Demonstration:** This is the XES trace file representing the modeling step done when we created the example BPMN model based on “BPMN Designer” metamodel:

<XES EXAMPLE TRACE>

**Task:** Generate the full XES trace file from the following “BPMN Designer” model, where the model represents another embedded application:

<BPMN 2.0 MODEL>