DPMN Online Editor

In this project, a JavaScript-based online editor for making DPMN process diagrams is to be developed on the basis of the library “bpmn-js” (https://bpmn.io/toolkit/bpmn-js/).

The Discrete Event Modeling Notation (DPMN) is a visual modeling language for making event-based simulation models, including business process models. The visual syntax of DPMN is based on BPMN, while its (formal) semantics is based on Event Graphs (and not on Petri Nets). Since DPMN adopts all core elements of BPMN, it’s natural to use the code of a BPMN editor like “bpmn-js” as a starting point.

Why

An online DPMN editor is the basis of a low-code simulation development tool that allows subject matter experts to make simulation models without (much) programming. For instance, an industrial engineer could make a model of a discrete manufacturing system, or a business process manager could make a model of business process to be analyzed.

Expected Outcome

As an HTML/CSS/JS-based program, the DPMN Online Editor to be developed can be loaded from a website into the user’s browser where it is executed by the browser’s JS engine.

Licensing

The result of this project is to be released with an Open Source license.

More Information and Contact

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