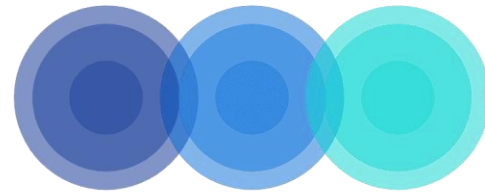


Free Online BPMN Quality Analysis Service



freebpmnquality

Evaluation of BPMN business process model quality and correctness
This online service helps to find modeling mistakes in BPMN diagrams

Motivation



Business process modeling helps organizations to represent scenarios of their activities in a graphical way in order to find possible drawbacks, identify potential improvements, or just instruct employees with detailed descriptions of workflows they should follow.

Business process modeling requires certain training, but even experienced analysts that know literally everything about workflows under description may commit some mistakes: models could be redundant and workflow paths could be inconsistent, which leads to poor quality models that are not understandable enough and barely modifiable.

Business process models of high quality are expected to be deployed and executed without errors that may lead to extra expenses and delays.

Roadmap



PoC The solution is compatible with the de-facto standard of business process modeling – BPMN 2.0 (Business Process Model and Notation). Accessible and easy-to-use for all non-technical users involved in the business process modeling activity. Can detect various modeling faults and poor design solutions, and highlight them on a model diagram, so users do not need to find which exactly element causes troubles. Highlighted weak spots are interactive – users may hover them and a detailed enough explanation of what is wrong with this element is provided.

MVP Personal user workspace available after sign up. BPMN models storage/repository with advanced querying features. Advanced BPMN model assessment features, such as configurable validation rules, improvement suggestions, and auto-correction of modeling “typos”. API for integration with major business process modeling and automation software.

Ready Product DevOps-like pipeline for business process models with continuous quality assurance and deployment in a platform repository. Corporate user accounts with multiple roles and privileges. Integration with version control and bug-tracking systems. Business process model quality management ecosystem.

Usage (1)



QualiBPMN Home Website GitHub

Drag & drop or click to upload the BPMN 2.0 file

Recent models

- Model 06-activities-semantics.bpmn
- Model 05-gateways.bpmn
- Model 04-intermediate-events.bpmn
- Model 03-end-events.bpmn
- Model 02-start-events.bpmn
- Model 01-tasks.bpmn

Model 06-activities-semantics.bpmn

Activity seems to be too short and too broad to be useful

Do task

Run processing then log results or log error respectively

Syntactic quality

100.00%

Process Activity seems to be too short and too broad to be useful

100.00% high

Semantic quality

0.00%

Process Activity seems to be too short and too broad to be useful

0.00% low

QualiBPMN by freebpmnquality, 2021 CC BY-ND

Uploaded model is displayed with highlighted faults

Usage (2)



QualiBPMN Home Website GitHub

Drag & drop or click to upload the BPMN 2.0 file

Recent models

- Model 06-activities-antics.bpmn
- Model 05-gateways.bpmn
- Model 04-intermediate-events.bpmn
- Model 03-end-events.bpmn
- Model 02-start-events.bpmn
- Model 01-tasks.bpmn

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Model 06-activities-antics.bpmn

Activity seems to be too short and too broad to be useful

Activity seems to be too long and too detailed

This activity seems to be too short and too broad to be useful.

Run processing then log results or log error respectively

Highlighted weak spots can be hovered to get tooltips

Usage (3)



QualiBPMN Home Website GitHub

Model 06-activities-antics.bpmn

Model 05-gateways.bpmn

Model 04-intermediate-events.bpmn

Model 03-end-events.bpmn

Model 02-start-events.bpmn

Model 01-tasks.bpmn

Syntactic quality

100.00%

Process Activity seems to be too short and too broad to be useful
100.00% **high**

Process Activity seems to be too long and too detailed
100.00% **high**

Semantic quality

0.00%

Process Activity seems to be too short and too broad to be useful
0.00% **low**

Process Activity seems to be too long and too detailed
0.00% **low**

Recommendations

task "Do task": This activity seems to be too short and too broad to be useful.

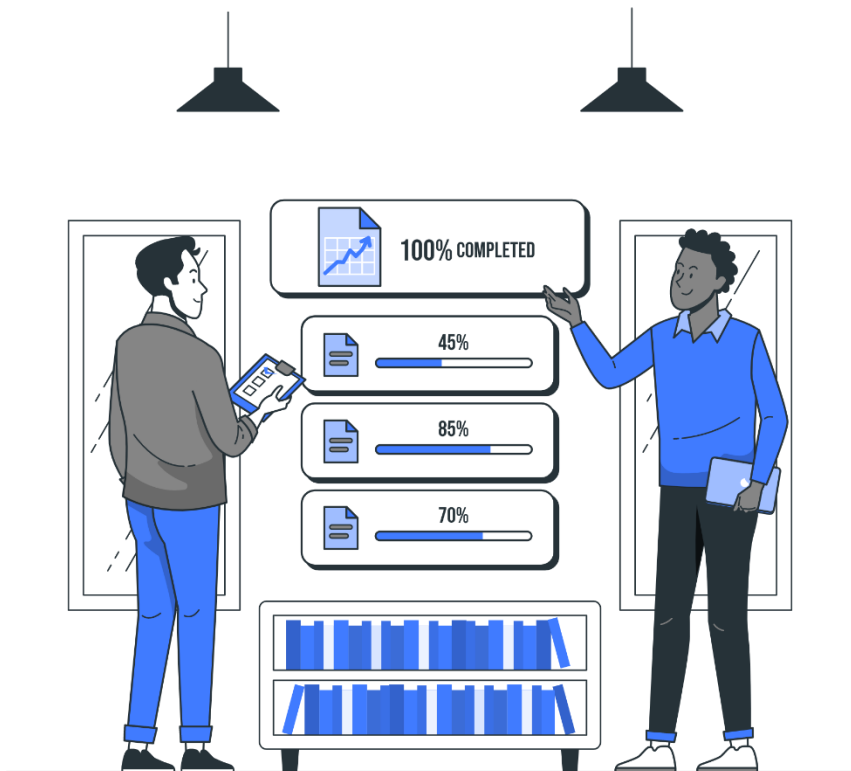
task "Run processing then log results or log error respectively": This activity seems to be too long and too detailed.

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Detected faults are explained in detail below canvas

Features

- Drag & drop a BPMN 2.0 file directly to the web page
- ... or click the upload area to open the file selection dialog
- File name is displayed in the upload area
- Zoom-in and zoom-out buttons with the help message are displayed
- Uploaded model is displayed with already highlighted faults
- Highlighted weak spots can be hovered to get tooltips
- Detected faults are explained in detail below the BPMN diagram



Solutions



Online Demo

<https://freebpmnquality.github.io/fbpmnq.html>



Online Tool

<https://freebpmnquality.github.io/services/analytics/>



Client-side Tool

<https://sourceforge.net/projects/freebpmnquality/>

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