Free Online BPMN Quality Analysis Service
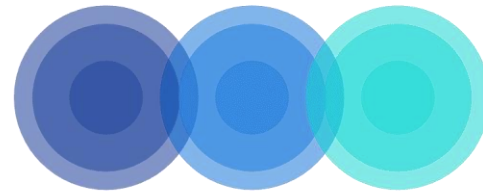

Evaluation of BPMN business process model quality and correctness
This online service helps to find modeling mistakes in BPMN diagrams

About us

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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)

Uploaded model is displayed with highlighted faults

Usage (2)

Highlighted weak spots can be hovered to get tooltips

Usage (3)

Detected faults are explained in detail below canvas
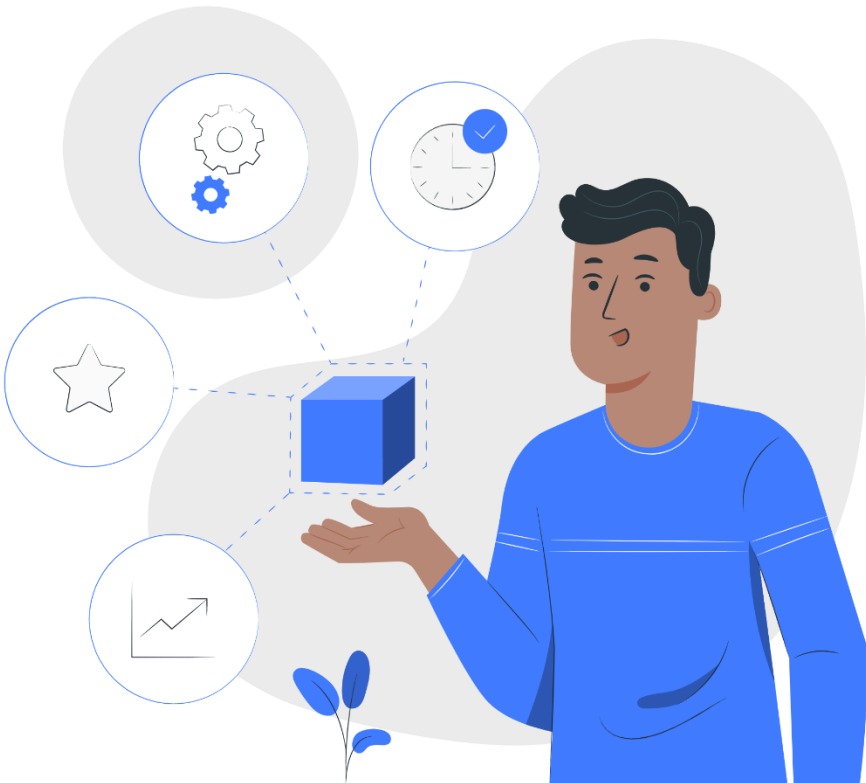
Features

- 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://cloudfreebpmnquality.herokuapp.com/analytics/
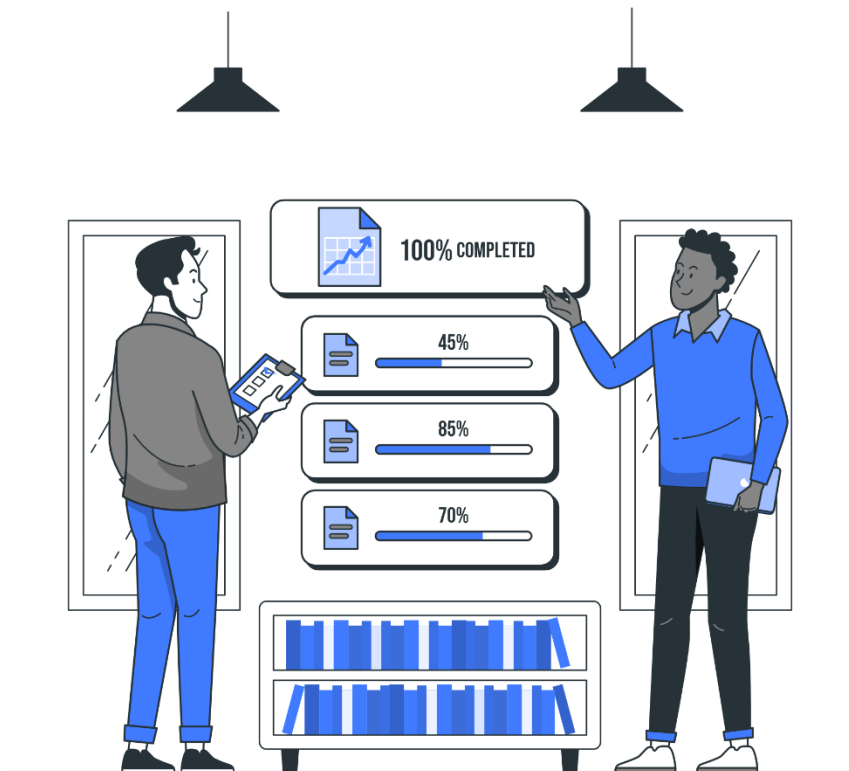
Client-side Tool
https://sourceforge.net/projects/freebpmnquality/

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