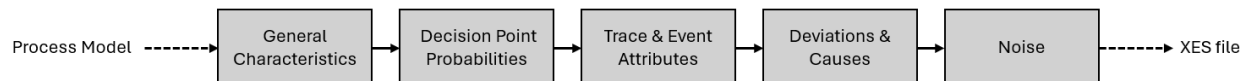


User Manual

Overview

This file is a user manual aiming to help the user advance through the different pages of the application successfully. The overall goal of the application is for the user to upload a bpmn/pnml file depicting a process and then create an event log with errors that the user chose. In the end the user is able to download the log with the errors. The following flow chart depicts the application steps in more detail:

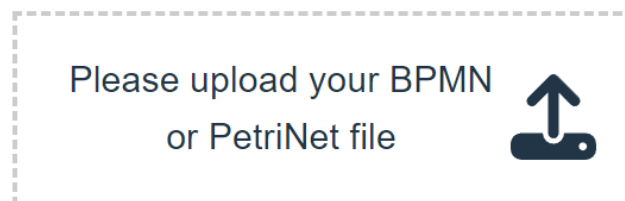


1st Page

The first page of the application is responsible for uploading the process model, defining the timeframe of the event log and the number of cases.





Upload process model: The user is prompted to upload either a bpmn or pnml file depicting the overall process. The user can either drag and drop the file into the container or click on the container and select the file they wish to upload.

Upload the process model



Enter timeframe: The user is prompted to decide the timeframe of the process. Here, the user specifies when the process starts and when it ends, by providing the dates and times. The application prohibits the user from inputting an end date which is prior to the start date.

Enter timeframe

Start Date dd/mm/yyyy 	End Date dd/mm/yyyy 
Start Time --:-- 	End Time --:-- 

Insert number of cases: The user is prompted to input the total number of cases they wish to generate.

Insert number of cases

Number of cases

After the user has input all the fields, they are able to proceed to the next page of the application.

2nd Page

In the second page, the user is prompted to define the XOR – Gateway probabilities.

Gateway: The user can view the petri net where the XOR – Gateways are highlighted with red. Then, the user can start assigning probabilities to each XOR path by selecting the corresponding XOR – Gateway from the dropdown. After the user has assigned the probabilities for an XOR – Gateway, they must press the plus button on the bottom to finish the assignment.

Gateway

XOR 1: A_partlysubmitted ▼

Values and Probabilities

0	<input type="text" value="50.00"/>
1	<input type="text" value="50.00"/>



Gateways to define: The user can view which XOR – Gateways they have filled on the right side of the page.

Gateways to define	
XOR 1: A_partlysubmitted	✓
XOR 2: A_accepted	✓
XOR 3: A_finalized	✗
XOR 4: A_preaccepted	✗
XOR 5: None	✗

In order to proceed to the next page, the user must fill the probabilities for every XOR – Gateway.

3rd Page

The third page is responsible for defining the event attributes.

Dropdown: The user is prompted to select an event attribute type from the dropdown, name it, and press the plus button to create the corresponding container. In order to proceed to the next page it is mandatory to create and fill out the duration type container.

Type

Duration ▲

Duration

Resource

Categorical

Time

Numerical

Name

time:timestamp

+

Container: Each created container has a delete button on the top in case the user wants to delete it. Also, there is a plus button next to each activity in case the user wishes to add multiple entries for one activity. In order for the user to proceed to the next page, the probabilities for each activity must add up to 100 for every open container.

Resource Configuration (org:resource)

A_partlysubmitted	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_accepted	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_declined	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_activated	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_submitted	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_preaccepted	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_finalized	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_registered	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_approved	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+
A_cancelled	<input type="text" value="Value"/>	<input type="text" value="Probability"/>	+

Probabilities add up to 100: ✖

After the user has filled out the duration container and has ensured that all the probabilities for each created container add up to 100, the next button becomes available and the user can press it to proceed to the next page, which is an overview of their selections.

5th Page

The fifth page is responsible for defining the trace attributes.

Dropdown: Similarly to the third page, the user is prompted to choose a type from the dropdown, name it and then fill out the container. The user may proceed to the next page without defining any trace attributes if they wish to.

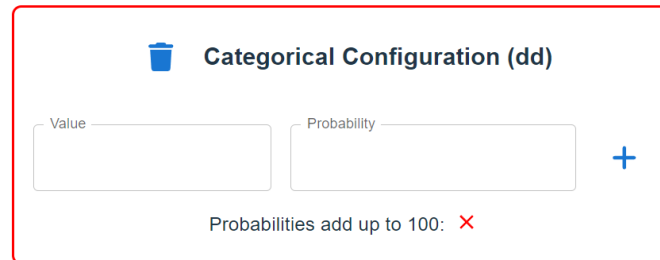
Type

Name

+

- Categorical
- Time
- Numerical

Container: After having created a container, the user must ensure that the probabilities for each container add up to 100, in order to proceed to the next page.

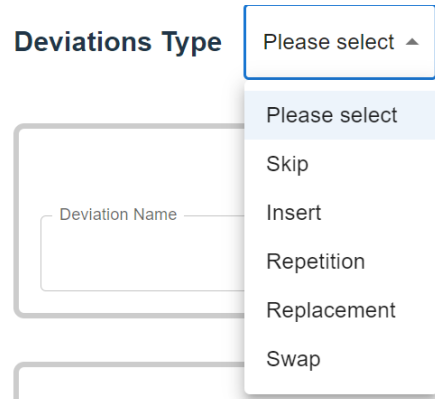


The user proceeds to the next page by making sure that the probabilities for each container add up to 100 or by not defining any trace attributes at all.

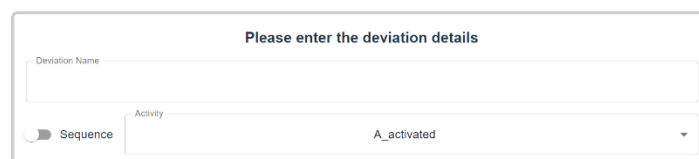
6th Page

The sixth page of the application is responsible for entering the deviations.

Types: Firstly, the user must select the deviation type from the corresponding dropdown menu.



Details: Then, the user must enter the deviation details by naming the deviation and choosing the activity/activities they wish to insert, replace, skip, etc. The user may also enter a sequence of activities by pressing on the corresponding toggle.



Target: Afterwards, the user must decide the target of the deviation, namely where the deviation is going to occur and how often.

Define the target of the deviation

Attribute: Event Activity Selection: A_cancelled Type: Duration Name: time:timestamp Relation: =

Years: 0 Months: 1 Days: 1 Hours: 1 Minutes: 0 Seconds: 0 Probability: 100

Summary: After having filled these two containers, the user can press the plus button to add the deviation and can also view a preview of their selection in the bottom section.

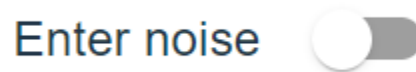
→ skip Name: dev1 Activity to skip: A_activated

Attribute:	Activity selection:	Type:	Name:	Relation:	Years:	Months:	Days:	Hours:	Minutes:	Seconds:	Probability:	
Event	A_preaccepted	Duration	time:timestamp	=	0	0	0	0	0	0	100%	

7th Page

The seventh page of the application is responsible for defining noise.

Toggle: The user can enter noise by pressing on the toggle



Options: The user then has three different options. They can define general noise, they can define a certain noise type from the dropdown and they can also define noise based on a deviation they have previously defined.

General Noise Percentage

%

Noise Type: Skip Percentage: %

Deviation Names: Percentage: %

In order to proceed to the next page, the user must define at least one noise entry or not press the toggle at all.

8th Page

The last page of the application is responsible for downloading the logs. After having downloaded the log, the user can press the restart button to start another log creation.

Everything is finished: Please download your log here

Click the button below to download
the log file

DOWNLOAD LOG WITH ERRORS

DOWNLOAD CORRECT LOG

Restart the log creation

