

User Manual: PO_Gen Tool

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1 Download and Setup

The following steps need to be followed diligently for the correct setup of the tool in your machine.

STEP 1: **Pre-requisite:** User must have *Java SDK* installed in their machine.

STEP 2: **Download:** User needs to download the following files from the github repository for using the tool:

- InputDataSets
- PartialOrderTool

STEP 3: **Extract:** The downloaded RAR files need to be extracted. The PartialOrderTool folder contains the files for installing the tool. It can be saved at any location.

STEP 4: **Before running the tool:** Before starting the tool the following steps need to be done

- Open InputDataSets folder.
- Open any of the sub-folder. The sub-folder contains the input data files w.r.t each project.
- Copy the files DataSet1.txt, DataSet2.txt and DataSet3.txt from any of the project subfolders and paste it in the same location as that of the tool.

2 Using the PO_GEN Tool

Once the above steps are done, users can start using the tool.

STEP 1: Right click on the Tool icon and click on *Open* option.

STEP 2: In the left portion of the tool user can see the NFRs of the project whose data files are present in the directory same as that of tool.

STEP 3: After each NFR label there is an input text box. Users need to fill in these boxes with numeric values. These values will be used as the priority values assigned to the NFRs.

- STEP 4: Once all the values are assigned click on the *SubmitPriority* button.
- STEP 5: Select any of the parameter from top right portion of the interface and click on the *SubmitParameter* button.
- STEP 6: Click on the *GeneratePartialOrder* button to generate the partial order for the input text files. Partial order in the form of linear sequence(s) will be displayed in the white area at bottom of the interface.
- STEP 7: Click on the *ViewGraph* button to see the generated partial order in the form of a graph.
- STEP 8: User can select any other parameter and subsequently repeat *Steps 6 and 7*.