

# jInfer AutoEditor Module Description

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Target audience: developers willing to extend jInfer, specifically alter displaying of automata .

Responsible developer:	Mário Mikula
Required tokens:	org.openide.windows.WindowManager
Provided tokens:	none
Module dependencies:	Base JUNG
Public packages:	cz.cuni.mff.ksi.jinfer.autoeditor cz.cuni.mff.ksi.jinfer.autoeditor.automatonvisualizer cz.cuni.mff.ksi.jinfer.autoeditor.automatonvisualizer.layouts cz.cuni.mff.ksi.jinfer.autoeditor.gui.component

## 1 Introduction

This is an implementation of a *AutoEditor* TODO

## 2 Structure

TODO TODO TODO

The main class implementing SchemaGenerator inference interface and simultaneously registered as its service provider is `SchemaGeneratorImpl` in package `cz.cuni.mff.ksi.jinfer.basicxsd`. Process of export consists of two phases described in detail in later sections.

1. Preprocessing.
2. The export to a string representation itself.

Method `start()` first creates an instance of `Preprocessor` class supplied by rules (elements) it got in the simplified grammar on input. Phase of preprocessing is done by creating that instance (calling its constructor) and its purpose is to discover information such as which elements should be globally defined and which element is the root element.

Afterwards, `start()` method uses instances of classes derived from `AbstractElementsProcessor` class to export elements of input grammar.

### 2.1 Preferences

TODO

All settings provided by *BasicXSDExporter* are project-wide, the preferences panel is in `cz.cuni.mff.ksi.jinfer.basicxsd.properties` package. As mentioned above, it is possible to set the following.

- Turn off generation of global element types. Turning off this feature is not recommended as it may cause certain problems with validity of resulting XSD. See ??.
- Minimal number of occurrences of element to define its type globally. (Only if generation of global elements is active.)

- Number of spaces in output per one level of indentation.
- Global type name prefix. It is a string which will be inserted before a name of a type, which is derived from element's name. Can be also an empty string. (Only if generation of global elements is active.)
- Global type name suffix. It is a string which will be appended after a name of a type, which is derived from element's name. Can be also an empty string. (Only if generation of global elements is active.)

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