———— MODULE $Md2LaTeXSystemDesignPreferencesFile$ ————

```
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

So, here is the specification of a file $\${}.preferences.json$.

Such a file must implement, or at least "follow", a specific policy,

that I named "*YesOrNo*".

Further explanations in $Md2LaTeXSystemDesignPreferences$.

This file is only here for the sake of completeness;

$DOMAIN\_OF\_PREFERENCES$ and $SET\_OF\_PREFERENCES$ are currently set as

CONSTANTS .

```
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
```

The preferences as a mapping:

First, Domain:

$DOMAIN\_OF\_PREFERENCES \triangleq \{$

    "documentclass",

    "import_packages",

    "fancy",

    "import_titlepage",

    "table_of_contents",

    "fonts",

    "colors",

    "language",

    "custom",

    "foreword",

    "annex",

    "sources",

$\}$

Next, the function space:

$SET\_OF\_PREFRENCES \triangleq [$

    $documentclass : [$

        $class : STRING\_ALPH\_NONEMPTY,$

        $options : [$

            $paper\_size \; : STRING\_ALPH,$

            $draft\_mode : \{\text{"draft"}, \text{""}\},$

            $titlepage : \{\text{"titlepage"}, \text{"notitlepage"}, \text{""}\}]],$

    $import\_packages : [$

        $Y\_N : JSON\_BOOL,$

        $path : ANY],$

    $fancy : [$

        $Y\_N : JSON\_BOOL,$

        $path : \{\text{"\${}.fancy.tex"}, \text{""}\}],$

    $import\_titlepage : [$

        $Y\_N : JSON\_BOOL,$

        $path : PATH$

$\quad$],
$\quad table\_of\_contents : [$
$\qquad Y\_N : JSON\_NO \cup JSON\_YES,$
$\qquad renewcommand : STRING\_LATEX],$
$\quad fonts : [$
$\qquad main : STRING\_ALPH\_NONEMPTY,$
$\qquad fixed\_width : STRING\_ALPH\_NONEMPTY,$
$\qquad LARGE : NAT,$
$\qquad Large \quad : NAT],$
$\quad$ 'colors' is a record of (key, value) pa$\backslash$definecolor$\{'s\}\{HTML\}\{'s$
$\quad colors : [$
$\qquad Y\_N : JSON\_BOOL,$
$\qquad definition : RECORD],$
$\quad language : [$
$\qquad main : STRING\_ALPH\_NONEMPTY,$
$\qquad date \; : STRING\_LATEX,$
$\qquad page\_numbering : STRING\_ALPH,$
$\qquad nameForTableOfContents : STRING\_ALPH],$
$\quad custom : \; [$
$\qquad section : \; [$
$\qquad\quad color : STRING\_ALPH,$
$\qquad\quad renewcommand : STRING\_LATEX],$
$\qquad subsection : \; [$
$\qquad\quad renewcommand : STRING\_LATEX]],$
$\quad foreword : [$
$\qquad Y\_N : JSON\_BOOL,$
$\qquad path : \{\, \text{``}\$\{\}\text{.foreword.tex''}, \; \text{``''} \,\}],$
$\quad annex \quad : [$
$\qquad Y\_N : JSON\_BOOL,$
$\qquad section : \; [$
$\qquad\quad renewcommand : STRING\_ALPH],$
$\qquad path : \{\, \text{``}\$\{\}\text{.annex.tex''}, \; \text{``''} \,\}],$
$\quad sources : [$
$\qquad root : \{\, \text{``./''} \,\},$
$\qquad images : \{\, \text{``img''} \,\}]$
$]$