

Anexo 3

Caso de Teste

1. Definições

GMR

Gerador de Manuais de Referência

2.Introdução

Este anexo descreve o caso de teste executado para testar o *software* GMR.

As seguintes secções descrevem os dados iniciais, os dados esperados, os dados resultantes e as conclusões deste caso de teste.

O teste consistiu em executar na consola de LISP, as duas linhas de código que se seguem:

1. (apply-to-files "U:/RDM/rdm/Test" #'process-file);
2. (generate.manual *intermediate-text-pathname*).

3.Dados de entrada

Para executar este teste, executou-se o *software* GMR numa directoria que continha apenas um ficheiro.

O apêndice *teste_small.lisp* mostra o conteúdo do ficheiro de dados iniciais utilizado neste teste.

O apêndice *rdm.xsd* mostra o esquema XSD utilizado neste teste.

O apêndice *manual.xsl* mostra o conteúdo do ficheiro XSL utilizado neste teste.

4.Dados esperados

De acordo com os dados de entrada fornecidos ao *software* GMR espera-se que seja gerado um ficheiro HTML com a informação contida no cabeçalho do ficheiro e nos cabeçalhos dos elementos, devidamente formatada.

O Exemplo 1 mostra qual o resultado esperado dado um determinado *input*.

Exemplo 1: Resultado esperado.

A Figura 1 ilustra um cabeçalho de elemento.

```

...
...FN1
...Description
...
...      \begin{itemize,bulleted}
...      \item 11111E \emph{calcula} mais qualquer coisa.
...      \item 222222222E \elem{calcula mais} qualquer coisa.
...      \item 333333333E calcula mais qualquer coisa:
...      \begin{itemize,numbered}
...      \item 11111E \emph{calcula} mais qualquer coisa.
...      \item 222222222E \elem{calcula mais} qualquer coisa.
...      \item \emph{333333333E} calcula mais qualquer coisa:
...      \item
...      \end{itemize}
...      \end{itemize}
...
...      terceira linha da descrição.
...
...      \visibility
...      SI
...
...      \args
...      \arg{x} is a \emph{number}.
...
...      \arg{y} is a \emph{number}.
...
...      \return-types
...      °çpsgjkgfkrtpokffdlk
...
...      \example
...      \begin{pre}
...      >(fn1 2 5)
...      12
...
...      \remarks
...      It is a dummy function. It is an alias of \elem{fn2}.
...
...      \refs
...      fn2 fn5
...
...      \implem-notes
...      "" 2" is used instead of "+ y" because it is easier to understand.
...
...      It should be consistent with file \ref{utilities.lisp}.
...
...History
...      Date          Author          Description
...      99/05/10  Autor2          Created
...

```

Figura 1: Cabeçalho de elemento.

A Figura 2 mostra parte de um documento HTML de acordo com o que se espera que seja gerado pelo GMR.

Name

FN1

Description

- 11111E *calcula* mais qualquer coisa.
- 222222222E *calcula* mais qualquer coisa.
- 333333333E *calcula* mais qualquer coisa:
 1. 11111E *calcula* mais qualquer coisa.
 2. 222222222E *calcula* mais qualquer coisa.
 3. 333333333E *calcula* mais qualquer coisa:

terceira linha da descrição.

Visibility

SI

Arguments

x is a *number*.

y is a *number*.

Return Types

°çpsçjkgfkrtspokffdlk

Example

Malformed documentation near: :BEGIN-PRE

Remarks

It is a dummy function. It is an alias of fn2.

References

fn2 fn5

Implementation notes

"* 2" is used instead of "+ y" because it is easier to understand.

It should be consistent with file *utilities.lisp*.

Package

LABOUR-RULES

Pathname

U:\RDM\rdm\Test\teste_small.lisp

History

99/05/10 Autor2 Created

Figura 2: Resultado esperado.

5.Dados resultantes

O resultado da execução da primeira linha de código inserida na consola LISP (ver 1), foi a geração de um ficheiro de dados intermédio que pode ser consultado no apêndice *Ficheiro de dados intermédio*.

O resultado da execução da segunda linha de código inserida na consola LISP (ver 2), foi a geração de um ficheiro XML (ver apêndice *manual.xml*) e de um ficheiro HTML (ver apêndice *manual.html*). Depois de serem gerados os ficheiros, um *browser* é iniciado e o conteúdo do ficheiro HTML é mostrado ao utilizador.

6. Conclusões

De acordo com a análise feita sobre os resultados gerados pelo GMR, o sistema respeita os requisitos propostos, com a excepção de dois erros encontrados neste teste, os quais serão descritos em seguida.

A Figura 3 mostra o resultado produzido pelo GMR quando aplicado ao cabeçalho de elemento ilustrado na Figura 1.

Como se pode ver na Figura 3, quando numa linha há mudança de tipo de letra o GMR elimina indevidamente os espaços que existam à volta do texto ao qual foi aplicada a mudança de tipo de letra.

Um outro problema detectado foi a incorrecta identificação do símbolo que dá origem a um erro de formatação, como se pode ver na Figura 3, onde se lê “YACC-EOF-SYMBOL” deveria ler-se “:BEGIN-PRE”.

Name

FN1

Description

- 11111Ecalculamais qualquer coisa.
- 222222222Ecalcula maisqualquer coisa.
- 333333333E calcula mais qualquer coisa:
 1. 11111Ecalculamais qualquer coisa.
 2. 222222222Ecalcula maisqualquer coisa.
 3. 333333333Ecalcula mais qualquer coisa:

terceira linha da descrição.

Visibility

SI

Arguments

*x*is *anumber*.

*y*is *anumber*.

Return Types

°çpsçjkgfkrtpokffdlk

Example

Malformed documentation near: YACC-EOF-SYMBOL

Remarks

It is a dummy function. It is an alias of `fn2`.

References

`fn2` `fn5`

Implementation notes

"* 2" is used instead of "+ y" because it is easier to understand.
It should be consistent with `fileutilities.lisp`.

Package

LABOUR-RULES

Pathname

U:\RDM\rdm\Test\teste_small.lisp

History

99/05/10 Autor2 Created

Figura 3: Resultado produzido.

A correcção dos problemas encontrados durante a fase de testes e que foram aqui descritos, está planeada para a próxima versão do GMR. Por restrições temporais não foi possível realizar essas correcções na actual versão do GMR.

Apêndice 1 - Dados de entrada

teste_small.lisp

```
;;;-----  
---  
;;;  
;;;      Copyright (C) 1995, SISCOG - Sistemas Cognitivos Lda.  
;;;      All rights reserved  
;;;  
;;;-----  
---  
;;;  
;;;      RESTRICTED RIGHTS LEGEND  
;;;  
;;;-----  
---  
;;;  
;;;      Use, duplication or disclosure is subject to authorization by  
;;;  
;;;      SISCOG - Sistemas Cognitivos Lda.  
;;;      Campo Grande 30, 6 B  
;;;      1700 LISBOA  
;;;      PORTUGAL  
;;;  
;;;-----  
---  
;;; Description  
;;; This file contains the definition of some parameters of the labour  
rules.  
;;;  
;;; History  
;;;      Date      Author      Description  
;;;      99/01/15   Autor1      Created  
;;;      99/05/10   Autor2      Added  
;;;                               FN1  
;;;                               Changed  
;;;                               THING  
;;;      03/02/21   Autor1      Changed  
;;;                               THING  
;;;-----  
---  
  
(in-package :labour-rules)  
  
;;;-----  
---  
;;;FN1  
;;;Description  
;;;      \begin{itemize,bulleted}
```

```

;;;      \item 1111E \emph{calcula} mais qualquer coisa.
;;;      \item 222222222E \elem{calcula mais} qualquer coisa.
;;;      \item 333333333E calcula mais qualquer coisa:
;;;      \begin{itemize,numbered}
;;;      \item 1111E \emph{calcula} mais qualquer coisa.
;;;      \item 222222222E \elem{calcula mais} qualquer coisa.
;;;      \item \emph{333333333E} calcula mais qualquer coisa:
;;;      \item
;;;      \end{itemize}
;;;      \end{itemize}
;;;
;;; terceira linha da descrição.
;;;
;;; \visibility
;;;      SI
;;;
;;; \args
;;;      \arg{x} is a \emph{number}.
;;;
;;;      \arg{y} is a \emph{number}.
;;;
;;; \return-types
;;;      °çpsçjkgfkrtspokffdlk
;;;
;;; \example
;;;      \begin{pre}
;;;      >(fn1 2 5)
;;;      12
;;;
;;; \remarks
;;;      It is a dummy function. It is an alias of \elem{fn2}.
;;;
;;; \refs
;;;      fn2 fn5
;;;
;;; \implem-notes
;;;      "*" 2" is used instead of "+ y" because it is easier to
understand.
;;;
;;;      It should be consistent with file \ref{utilities.lisp}.
;;;
;;;History
;;;      Date          Author          Description
;;;      99/05/10      Autor2          Created
;;;-----
----
(defun fn1 (x y)
  (+ x (* 2 y)))

;;;-----
----
;;;THING
;;;Description
;;;      It represents a thing.
;;;
;;; \visibility
;;;      SI
;;;
;;; \class-attrs
;;;      \emph{attr1} is a \emph{hash-table} indexed by date
;;;      containing a list of (generic.thing)s.
;;;
;;;      \emph{attr2} is a list of \elem(generic.things).
;;;

```

```

;;;      \emph{attr3} is a list of \elem{things}.
;;;
;;;History
;;;  Date      Author      Description
;;;  99/01/15   Autor1      Created
;;;  99/05/10   Autor2      Added the slot attr2
;;;  03/02/21   Autor1      Added attr3
;;;-----
----
(def.class thing thing ((thing))
  ((attr1      :initform nil :accessor t)
   (attr2      :initform nil :accessor t)
   (attr3 :initform nil :accessor t :type :LIST :relation (thing)))
  (:closname thing)
  (:metaclass *thing*))

```

rdm.xsd

```

<?xml version="1.0" encoding="UTF-8"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://www.example.org/rdm"
  xmlns:tns="http://www.example.org/rdm" elementFormDefault="qualified">

  <element name="manual" type="tns:ManualType"></element>

  <complexType name="ManualType">
    <sequence>
      <element ref="tns:file" maxOccurs="unbounded"
minOccurs="1"></element>
    </sequence>
    <attribute name="title" type="string"></attribute>
  </complexType>

  <element name="file" type="tns:FileType"></element>

  <complexType name="FileType">
    <sequence>
      <element ref="tns:fileheader" maxOccurs="1"
minOccurs="1"></element>
      <element ref="tns:docelement" maxOccurs="unbounded"
minOccurs="0"></element>
    </sequence>
    <attribute name="pathname" type="string"></attribute>
  </complexType>

  <element name="fileheader" type="tns:FileHeaderType"></element>

  <complexType name="FileHeaderType">
    <sequence maxOccurs="1" minOccurs="1">
      <element ref="tns:pathname"></element>
      <sequence maxOccurs="1" minOccurs="0">
        <element ref="tns:description" maxOccurs="1"
minOccurs="0"></element>
        <element ref="tns:example" maxOccurs="1"
minOccurs="0"></element>
        <element ref="tns:remarks" maxOccurs="1"
minOccurs="0"></element>
        <element ref="tns:refs" maxOccurs="1"
minOccurs="0"></element>
        <element ref="tns:implem-notes" maxOccurs="1"
minOccurs="0"></element>

```

```

        </element>
        <element ref="tns:unable-to-document"
maxOccurs="1"
            minOccurs="0">
        </element>
        <element ref="tns:history" maxOccurs="1"
minOccurs="1"></element>
        </sequence>
        <element ref="tns:errors"></element>
    </sequence>
</complexType>

<element name="docelement" type="tns:DocElementType"></element>

<complexType name="DocElementType">
    <sequence maxOccurs="1" minOccurs="1">
        <element ref="tns:pathname" maxOccurs="1"
minOccurs="1"></element>
        <element ref="tns:package" maxOccurs="1"
minOccurs="1"></element>
        <sequence maxOccurs="1" minOccurs="0">
            <element ref="tns:name"></element>
            <element ref="tns:description" maxOccurs="1"
minOccurs="1">
            </element>
            <element ref="tns:visibility" maxOccurs="1"
minOccurs="1"></element>
            <choice>
                <sequence>
                    <element ref="tns:args"
maxOccurs="1"
                        minOccurs="0">
                    </element>
                    <element ref="tns:return-types"
maxOccurs="1"
                        minOccurs="0">
                    </element>
                </sequence>
                <element ref="tns:class-attrs"
maxOccurs="1"
                    minOccurs="0">
                </element>
            </choice>
            <element ref="tns:example" maxOccurs="1"
minOccurs="0"></element>
            <element ref="tns:remarks" maxOccurs="1"
minOccurs="0"></element>
            <element ref="tns:refs" maxOccurs="1"
minOccurs="0"></element>
            <element ref="tns:implem-notes" maxOccurs="1"
minOccurs="0">
            </element>
            <element ref="tns:unable-to-document"
maxOccurs="1"
                minOccurs="0">
            </element>
            <element ref="tns:history" maxOccurs="1"
minOccurs="1"></element>
        </sequence>
        <element ref="tns:errors"></element>
    </sequence>
</complexType>

<element name="paragraph" type="tns:Paragraph-text"></element>

```

```

<complexType name="Paragraph-text">
  <choice maxOccurs="unbounded" minOccurs="1">
    <element ref="tns:nested-text"></element>
    <element ref="tns:plain-text"></element>
  </choice>
</complexType>

<element name="nested-text" type="tns:Nested-textType"></element>

<complexType name="Nested-textType">
  <choice maxOccurs="1" minOccurs="1">
    <element ref="tns:itemize-numbered"></element>
    <element ref="tns:itemize-bulleted"></element>
    <element ref="tns:pre-formatted"></element>
  </choice>
</complexType>

<element name="pre-formatted" type="tns:Pre-formattedType"></element>

<complexType name="Pre-formattedType">
  <sequence>
    <element ref="tns:paragraph"></element>
  </sequence>
</complexType>

<element name="itemize-numbered" type="tns:Itemize-
numberedType"></element>

<complexType name="Itemize-numberedType">
  <sequence>
    <element ref="tns:items" maxOccurs="unbounded"
minOccurs="0"></element>
  </sequence>
</complexType>

<element name="itemize-bulleted" type="tns:Itemize-
bulletedType"></element>

<complexType name="Itemize-bulletedType">
  <sequence>
    <element ref="tns:items" maxOccurs="unbounded"
minOccurs="0"></element>
  </sequence>
</complexType>

<element name="items" type="tns:ItemsType"></element>

<complexType name="ItemsType">
  <sequence maxOccurs="unbounded" minOccurs="0">
    <element ref="tns:item" maxOccurs="1"
minOccurs="1"></element>
  </sequence>
</complexType>

<complexType name="HistoryType">
  <sequence maxOccurs="1" minOccurs="1">
    <element ref="tns:paragraph"></element>
  </sequence>
</complexType>

<element name="plain-text" type="tns:Plain-text"></element>

<complexType name="Plain-text">
  <choice maxOccurs="unbounded" minOccurs="1">
    <element ref="tns:empty-line"></element>

```



```

        <element ref="tns:text"></element>
        <element ref="tns:arg"></element>
        <element ref="tns:elem"></element>
        <element ref="tns:emph"></element>
        <element ref="tns:ref"></element>
        <element ref="tns:errors"></element>
    </choice>
</complexType>

<element name="item" type="tns:Paragraph-text"></element>

<element name="empty-line">
    <simpleType>
        <restriction base="string">
            <pattern value="EMPTY-LINE"></pattern>
        </restriction>
    </simpleType>
</element>

<element name="arg" type="string"></element>

<element name="text" type="string"></element>

<element name="pathname" type="string"></element>

<element name="package" type="string"></element>

<element name="name" type="tns:Paragraph-text"></element>

<element name="description" type="tns:Paragraph-text"></element>

<element name="visibility" type="tns:Paragraph-text"></element>

<element name="class-attrs" type="tns:Paragraph-text"></element>

<element name="args" type="tns:Paragraph-text"></element>

<element name="return-types" type="tns:Paragraph-text"></element>

<element name="example" type="tns:Paragraph-text"></element>

<element name="remarks" type="tns:Paragraph-text"></element>

<element name="refs" type="tns:Paragraph-text"></element>

<element name="implem-notes" type="tns:Paragraph-text"></element>

<element name="unable-to-document" type="tns:Paragraph-
text"></element>

<element name="history" type="tns:HistoryType"></element>

<element name="errors" type="string"></element>

<element name="emph" type="string"></element>

<element name="ref" type="string"></element>

<element name="elem" type="string"></element>

<attribute name="pathname" type="string"></attribute>

<attribute name="title" type="string"></attribute>

</schema>

```

manual.xsl

```
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  version="1.0">
  <xsl:output method="html" version="1.0" encoding="iso-8859-1"
    doctype-public="-//W3C//DTD XHTML 1.0 Strict//EN"
    doctype-system="http://www.w3.org/TR/xhtml1/DTD/xhtml1-
strict.dtd"
    indent="yes" />

  <!-- Begin document -->
  <xsl:template match="/">
    <html xml:lang="en" lang="en"
      xmlns="http://www.w3.org/1999/xhtml">
      <head>
        <meta http-equiv="content-type"
          content="text/html; charset=iso-8859-1" />
        <title>Siscog Manuals</title>
      </head>
      <body>
        <div id="header">
          <div id="logo">
            <h1>
              <a href="#">Manuals</a>
            </h1>
            <h2>
              <a
href="http://www.siscog.pt/">By SISCOG</a>
            </h2>
          </div>
          <div id="page">
            <div id="content">
              <div id="feature" class="box-green">
                <h2 class="section">
                  <b>#160;</b>
                </h2>
                <div class="content">
                  <!-- Table of contents
-->
                  <xsl:apply-templates />
                  <!-- End of table of
contents -->
                </div>
              </div>
            </div>
            <div style="clear: both;">#160;</div>
          </div>
          <div id="footer">
            <p id="legal">
              Copyright  #169; 2007 SISCOG -
Sistemas Cognitivos
              LDA.
            </p>
          </div>
        </body>
      </html>
    </xsl:template>

    <!-- Manual definitions -->
    <xsl:template match="manual">
      <h1>
        <xsl:apply-templates select="@title" />
      </h1>
```

```
<p>&#160;</p>
<xsl:apply-templates select="*" />
<p>End of Manual</p>
</xsl:template>

<xsl:template match="file">
  <h3>
    <xsl:apply-templates select="@pathname" />
  </h3>
  <p>
    <xsl:apply-templates select="*" />
  </p>
  <p>&#160;</p>
  <p>End of File</p>
</xsl:template>

<xsl:template match="fileheader">
  <hr />
  <xsl:apply-templates select="name" />
  <xsl:apply-templates select="description" />
  <xsl:apply-templates select="example" />
  <xsl:apply-templates select="remarks" />
  <xsl:apply-templates select="refs" />
  <xsl:apply-templates select="implem-notes" />
  <xsl:apply-templates select="unable-to-document" />
  <xsl:apply-templates select="history" />
  <xsl:apply-templates select="errors" />
  <hr />
  <br />
  <br />
</xsl:template>

<xsl:template match="docelement">
  <hr />
  <xsl:apply-templates select="name" />
  <xsl:apply-templates select="description" />
  <xsl:apply-templates select="visibility" />
  <xsl:apply-templates select="class-attrs" />
  <xsl:apply-templates select="args" />
  <xsl:apply-templates select="return-types" />
  <xsl:apply-templates select="example" />
  <xsl:apply-templates select="remarks" />
  <xsl:apply-templates select="refs" />
  <xsl:apply-templates select="implem-notes" />
  <xsl:apply-templates select="unable-to-document" />
  <xsl:apply-templates select="package" />
  <xsl:apply-templates select="pathname" />
  <xsl:apply-templates select="history" />
  <xsl:apply-templates select="errors" />
  <hr />
  <br />
  <br />
</xsl:template>

<xsl:template match="pathname">
  <h4>Pathname:</h4>
  <xsl:value-of select="." />
</xsl:template>

<xsl:template match="package">
  <h4>Package:</h4>
  <xsl:value-of select="." />
</xsl:template>

<xsl:template match="name">
```

```
<h3>Name</h3>
<xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="description">
  <h4>Description</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="visibility">
  <h4>Visibility</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="class-attrs">
  <h4>Class Attributes</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="return-types">
  <h4>Return Types</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="example">
  <h4>Example</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="remarks">
  <h4>Remarks:</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="refs">
  <h4>References</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="implem-notes">
  <h4>Implementation notes</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="unable-to-document">
  <h4>Unable to Document</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="history">
  <h4>History</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="args">
  <h4>Arguments</h4>
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="nested-text">
  <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="itemize-bulleted">
  <ul>
```

```
        <xsl:apply-templates select="*" />
    </ul>
</xsl:template>

<xsl:template match="itemize-numbered">
    <ol>
        <xsl:apply-templates select="*" />
    </ol>
</xsl:template>

<xsl:template match="pre-formatted">
    <pre>
        <xsl:apply-templates select="*" />
    </pre>
</xsl:template>

<xsl:template match="items">
    <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="item">
    <li>
        <xsl:apply-templates select="*" />
    </li>
</xsl:template>

<xsl:template match="paragraph">
    <xsl:apply-templates select="*" />
</xsl:template>

<xsl:template match="plain-text">
    <p>
        <xsl:apply-templates select="*" />
    </p>
</xsl:template>

<xsl:template match="empty-line">
    <br />
</xsl:template>

<xsl:template match="text">
    <xsl:value-of select="." />
</xsl:template>

<xsl:template match="emph">
    <em>
        <xsl:value-of select="." />
    </em>
</xsl:template>

<xsl:template match="elem">
    <font face="arial">
        <xsl:value-of select="." />
    </font>
</xsl:template>

<xsl:template match="arg">
    <font face="arial">
        <xsl:value-of select="." />
    </font>
</xsl:template>

<xsl:template match="ref">
    <font face="arial">
        <xsl:value-of select="." />
    </font>
</xsl:template>
```

```

        </font>
    </xsl:template>

    <xsl:template match="errors">
        <strong>
            <xsl:value-of select="." />
        </strong>
    </xsl:template>

    <!-- Attributes definitions -->

    <xsl:template match="@title">
        <h1>
            <xsl:value-of select="." />
        </h1>
    </xsl:template>

    <xsl:template match="@pathname">
        <p>
            <b>File:</b>
            <xsl:value-of select="." />
        </p>
    </xsl:template>

    <!-- End of template -->

    <xsl:template match="*|text()"></xsl:template>

</xsl:stylesheet>

```

Apêndice 2 - Resultados

Ficheiro de dados intermédio

```

(((PATHNAME "U:\\RDM\\rdm\\Test\\teste_small.lisp")
 (:DESCRIPTION ("This file contains the definition of some parameters of
the labour rules." :EMPTY-LINE)))
 (:HISTORY :HISTORY-HEADER ((("99/01/15      Autor1      Created 99/05/10
      Autor2      Added FN1 Changed THING 03/02/21 Autor1      Changed
THING")))) (:ERRORS ("")))
(((PATHNAME "U:\\RDM\\rdm\\Test\\teste_small.lisp") (:PACKAGE "LABOUR-
RULES") (:NAME ("FN1"))
 (:DESCRIPTION
 ((:BEGIN-ITEMIZE-BULLETED
 (:ITEM ("11111E" (:EMPH "calcula") "mais qualquer coisa.") :ITEM
("2222222222E" (:ELEM "calcula mais") "qualquer coisa.") :ITEM
("333333333E calcula mais qualquer coisa:"
 (:BEGIN-ITEMIZE-NUMBERED
 (:ITEM ("11111E" (:EMPH "calcula") "mais qualquer coisa.") :ITEM
("2222222222E" (:ELEM "calcula mais") "qualquer coisa.") :ITEM
((:EMPH "333333333E") "calcula mais qualquer coisa:"))
:END-ITEMIZE)))
:END-ITEMIZE)
 ((:EMPTY-LINE "terceira linha da descrição." :EMPTY-LINE))))
 (:VISIBILITY (("SI" :EMPTY-LINE))) (:ARGS (((:ARG "x") "is a" (:EMPH
"number") "." :EMPTY-LINE (:ARG "y") "is a" (:EMPH "number") "." :EMPTY-
LINE))))

```

```
(:RETURN-TYPES ((("çpsçjkgfkrtspokffdlk" :EMPTY-LINE))) (:EXAMPLE
(:ERRORS ("Malformed documentation near: YACC-EOF-SYMBOL"))))
(:REMARKS ("It is a dummy function. It is an alias of" (:ELEM "fn2") "."
:EMPTY-LINE))) (:REFS (("fn2 fn5" :EMPTY-LINE)))
(:IMPLEM-NOTES
  ("\"* 2\" is used instead of \"+ y\" because it is easier to
understand." :EMPTY-LINE "It should be consistent with file" (:REF
"utilities.lisp") "."
:EMPTY-LINE)))
(:HISTORY :HISTORY-HEADER ((("99/05/10      Autor2      Created"))))
(:ERRORS (""))
(:(:PATHNAME "U:\\RDM\\rdm\\Test\\teste_small.lisp") (:PACKAGE "LABOUR-
RULES") (:NAME ("THING"))
(:DESCRIPTION ("It represents a thing." :EMPTY-LINE))) (:VISIBILITY
("SI" :EMPTY-LINE)))
(:CLASS-ATTRS
  (((:EMPH "attr1") "is a" (:EMPH "hash-table") "indexed by date containing
a list of (generic.thing)s." :EMPTY-LINE (:EMPH "attr2")
"is a list of \\ elem(generic.things).\" :EMPTY-LINE (:EMPH "attr3") "is
a list of" (:ELEM "things") "." :EMPTY-LINE)))
(:HISTORY :HISTORY-HEADER ((("99/01/15      Autor1      Created 99/05/10
Autor2      Added the slot attr2 03/02/21      Autor1      Added
attr3")))) (:ERRORS (""))))
```

manual.xml

```
<manual xmlns:xsi='http://www.w3.org/2001/XMLSchema'
  xsi:schemaLocation='u:/rdm/xml/webcontent/rdm.xsd'
  title='CREWS Reference Manual'>
  <file pathname='U:\\RDM\\rdm\\Test\\teste_small.lisp'>
    <fileheader>
      <pathname>U:\\RDM\\rdm\\Test\\teste_small.lisp</pathname>
      <description>
        <plain-text>
          <text>
            This file contains the definition of
some parameters
of the labour rules.
          </text>
          <empty-line>EMPTY-LINE</empty-line>
        </plain-text>
      </description>
      <history>
        <paragraph>
          <plain-text>
            <text>
              99/01/15      Autor1      Created
99/05/10 Autor2 Added
              FN1   Changed   THING   03/02/21
Autor1 Changed THING
            </text>
          </plain-text>
        </paragraph>
      </history>
      <errors></errors>
    </fileheader>
    <docelement>
      <pathname>U:\\RDM\\rdm\\Test\\teste_small.lisp</pathname>
      <package>LABOUR-RULES</package>
      <name>
        <plain-text>
          <text>FN1</text>
        </plain-text>
      </name>
    </docelement>
  </file>
</manual>
```

```

</name>
<description>
  <nested-text>
    <itemize-bulleted>
      <items>
        <item>
          <plain-text>

<text>11111E</text>

<emph>calcula</emph>

qualquer coisa.</text>

<text>mais

</plain-text>
</item>
<item>
  <plain-text>

<text>222222222E</text>

mais</elem>

<elem>calcula

<text>qualquer

</plain-text>
</item>
<item>
  <plain-text>
    <text>
      333333333E

calcula mais qualquer

coisa:
</text>
<nested-text>
  <itemize-

numbered>

  <items>

  <item>

    <plain-text>

      <text>11111E</text>

      <emph>calcula</emph>

      <text>

        mais qualquer

        coisa.

      </text>

    </plain-text>

  </item>

  <item>

    <plain-text>

      <text>

        222222222E

```



```

        </text>

        <elem>

            calcula mais

        </elem>

        <text>

            qualquer coisa.

        </text>

    </plain-text>

</item>

<item>

    <plain-text>

        <emph>

            333333333E

        </emph>

        <text>

            calcula mais

            qualquer coisa:

        </text>

    </plain-text>

</item>

</items>

                                </itemize-
numbered>                                </nested-text>
                                </plain-text>
                                </item>
                                </items>
                                </itemize-bulleted>
                                </nested-text>
                                <plain-text>
                                    <empty-line>EMPTY-LINE</empty-line>
                                    <text>terceira linha da descrição.</text>
                                    <empty-line>EMPTY-LINE</empty-line>
                                </plain-text>
                            </description>
                            <visibility>
                                <plain-text>
                                    <text>SI</text>
                                    <empty-line>EMPTY-LINE</empty-line>
                                </plain-text>
                            </visibility>
                            <args>
                                <plain-text>
                                    <arg>x</arg>

```

```

        <text>is a</text>
        <emph>number</emph>
        <text>.</text>
        <empty-line>EMPTY-LINE</empty-line>
        <arg>y</arg>
        <text>is a</text>
        <emph>number</emph>
        <text>.</text>
        <empty-line>EMPTY-LINE</empty-line>
    </plain-text>
</args>
<return-types>
    <plain-text>
        <text>°cpsçjkgfkrtspokffdlk</text>
        <empty-line>EMPTY-LINE</empty-line>
    </plain-text>
</return-types>
<example>
    <plain-text>
        <errors>
            Malformed documentation near: YACC-
EOF-SYMBOL
        </errors>
    </plain-text>
</example>
<remarks>
    <plain-text>
        <text>It is a dummy function. It is an
alias of</text>
        <elem>fn2</elem>
        <text>.</text>
        <empty-line>EMPTY-LINE</empty-line>
    </plain-text>
</remarks>
<refs>
    <plain-text>
        <text>fn2 fn5</text>
        <empty-line>EMPTY-LINE</empty-line>
    </plain-text>
</refs>
<implem-notes>
    <plain-text>
        <text>
            because it is easier
            " * 2 " is used instead of " + y "
            to understand.
        </text>
        <empty-line>EMPTY-LINE</empty-line>
        <text>It should be consistent with
file</text>
        <ref>utilities.lisp</ref>
        <text>.</text>
        <empty-line>EMPTY-LINE</empty-line>
    </plain-text>
</implem-notes>
<history>
    <paragraph>
        <plain-text>
            <text>99/05/10 Autor2 Created</text>
        </plain-text>
    </paragraph>
</history>
<errors></errors>
</docelement>
<docelement>

```

```

<pathname>U:\RDM\rdm\Test\teste_small.lisp</pathname>
<package>LABOUR-RULES</package>
<name>
  <plain-text>
    <text>THING</text>
  </plain-text>
</name>
<description>
  <plain-text>
    <text>It represents a thing.</text>
    <empty-line>EMPTY-LINE</empty-line>
  </plain-text>
</description>
<visibility>
  <plain-text>
    <text>SI</text>
    <empty-line>EMPTY-LINE</empty-line>
  </plain-text>
</visibility>
<class-attrs>
  <plain-text>
    <emph>attr1</emph>
    <text>is a</text>
    <emph>hash-table</emph>
    <text>
      indexed by date containing a list of
      (generic.thing)s.
    </text>
    <empty-line>EMPTY-LINE</empty-line>
    <emph>attr2</emph>
    <text>is      a      list      of      \
elem(generic.things).</text>
    <empty-line>EMPTY-LINE</empty-line>
    <emph>attr3</emph>
    <text>is a list of</text>
    <elem>things</elem>
    <text>.</text>
    <empty-line>EMPTY-LINE</empty-line>
  </plain-text>
</class-attrs>
<history>
  <paragraph>
    <plain-text>
      <text>
        99/01/15      Autor1      Created
        99/05/10 Autor2 Added
        Added attr3
        the slot attr2 03/02/21 Autor1
      </text>
    </plain-text>
  </paragraph>
</history>
<errors></errors>
</docelement>
</file>
</manual>

```

manual.html

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd"><html
lang="en" xmlns="http://www.w3.org/1999/xhtml">

```

```
<head>

<meta http-equiv="content-type" content="text/html; charset=iso-8859-1"/>

<title>Siscog Manuals</title>

</head>

<body>

<div id="header">

<div id="logo">

<h1>

<a href="#">Manuals</a>

</h1>

<h2>

<a href="http://www.siscog.pt/">By SISCOG</a>

</h2>

</div>

</div>

<div id="page">

<div id="content">

<div id="feature" class="box-green">

<h2 class="section">

<b> </b>

</h2>
```

```
<div class="content">

<h1 xmlns="">

<h1>CREWS Reference Manual</h1>

</h1>

<p xmlns=""> </p>

<h3 xmlns="">

<p><b>File:</b>U:\RDM\rdm\Test\teste_small.lisp</p>

</h3>

<p xmlns="">

<hr>

<h4>Description</h4>

<p>This file contains the definition of some parameters of the labour
rules.<br></p>

<h4>History</h4>

<p>99/01/15 Autor1 Created 99/05/10 Autor2 Added FN1
Changed THING 03/02/21 Autor1 Changed
THING</p><strong></strong><hr><br><br><hr>

<h3>Name</h3>

<p>FN1</p>

<h4>Description</h4>

<ul>

<li>

<p>11111E<em>calcula</em>mais qualquer coisa.</p>
```

```
</li>

<li>

<p>2222222222E<font face="arial">calcula mais</font>qualquer coisa.</p>

</li>

<li>

<p>3333333333E calcula mais qualquer coisa:<ol>

<li>

<p>111111E<em>calcula</em>mais qualquer coisa.</p>

</li>

<li>

<p>2222222222E<font face="arial">calcula mais</font>qualquer coisa.</p>

</li>

<li>

<p><em>3333333333E</em>calcula mais qualquer coisa:</p>

</li>

</ol>

</p>

</li>

</ul>

<p><br>terceira linha da descrição.<br></p>

<h4>Visibility</h4>
```

<p>SI
</p>

<h4>Arguments</h4>

<p>

xis anumber.
yis anumber.
</p>

<h4>Return Types</h4>

<p>°çpsçjkgfkrtspokffdlk
</p>

<h4>Example</h4>

<p>Malformed documentation near: YACC-EOF-SYMBOL</p>

<h4>Remarks</h4>

<p>It is a dummy function. It is an alias offn2.
</p>

<h4>References</h4>

<p>fn2 fn5
</p>

<h4>Implementation notes</h4>

<p>"* 2" is used instead of "+ y" because it is easier to understand.
It should be consistent with fileutilities.lisp.
</p>

<h4>Package</h4>LABOUR-RULES<h4>Pathname</h4>U:\RDM\rdm\Test\teste_small.lisp<h4>History</h4>

<p>99/05/10 Autor2 Created</p><hr>

<hr>

<h3>Name</h3>

<p>THING</p>

<h4>Description</h4>

<p>It represents a thing.
</p>

<h4>Visibility</h4>

<p>SI
</p>

<h4>Class Attributes</h4>

<p>attr1is ahash-tableindexed by date containing a list of
(generic.thing)s.
attr2is a list of \
elem(generic.things).
attr3is a list of<font
face="arial">things.
</p>

<h4>Package</h4>LABOUR-

RULES<h4>Pathname</h4>U:\RDM\rdm\Test\teste_small.lisp<h4>History</h4>

<p>99/01/15 Autor1 Created 99/05/10 Autor2 Added the slot
attr2 03/02/21 Autor1 Added
attr3</p><hr>

</p>

<p xmlns=""> </p>

<p xmlns="">End of File</p>

<p xmlns="">End of Manual</p>

</div>

</div>

</div>

<div style="clear: both;"> </div>

</div>

<div id="footer">

<p id="legal">Copyright © 2007 SISCOG - Sistemas Cognitivos Lda.</p>

</div>

</body>

</html>

