Erster Versuch mit XML

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Vorwort

Hier kommt der erste Text, der einen berblick gibt.

Inhaltsverzeichnis

1 Hauptteil **5**
1.1 Abschnitt 1 5
1.2 Abschnitt 2 5

A Beispiel Anwendung **6**

B Bibliographie **9**

Kapitel 1

Hauptteil

Einleitung.

1.1 Abschnitt 1

Text von Abschnitt 1.

1.2 Abschnitt 2

Text von Abschnitt 2. Text von Abschnitt 2. Text von Abschnitt 2.

- Listen Item
- Listen Item

Hinweis fr den Leser. Warnung vor Fehlern.

Anhang A

Beispiel Anwendung

Beispiel der Anwendung der DTD.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE book SYSTEM "report.dtd">
<book>
  <title>My book</title>
  <overview>
    <title>Avant-propos</title>
    <paragraph>
      Avant de lire ce document...
    </paragraph>
  </overview>
  <chapters>
    <chapter>
      <title>Il tait une fois</title>
      <paragraph>
Il tait une fois un petit koala rouge...
      </paragraph>
    </chapter>
  </chapters>
</book>
```

Die verwendete DTD.

```
<?xml version="1.0" encoding="ISO-8859-1"?>

<!-- hook pour permettre a l'utilisateur de rajouter des attributs -->
<!ENTITY % generalAttr "">

<!-- l'ensemble des attributs communs  chaque lment -->
<!ENTITY % book.generalAttr
  "id ID #IMPLIED
   %generalAttr;">

<!-- URI locator -->
<!ENTITY % locator.att
    "href CDATA #REQUIRED">

<!-- dfinition des attributs d'une lment lien -->
<!ENTITY % book.link
   '%book.generalAttr;
    xml:link CDATA #FIXED "simple"
    %locator.att;'>
```

```
<!-- un lien quelconque -->
<!ELEMENT link (#PCDATA)>
<!ATTLIST link
          %book.link;>


<!-- l'auteur(s) du document -->
<!ELEMENT authors (author)+>
<!ATTLIST authors
          %book.generalAttr;>

<!ELEMENT author (#PCDATA)>
<!ATTLIST author
          %book.link;>

<!-- le coordonnateur(s) du stage -->
<!ELEMENT managers (manager)+>
<!ATTLIST managers
          %book.generalAttr;>

<!ELEMENT manager (#PCDATA)>
<!ATTLIST manager
          %book.link;>

<!-- la socit dans lequel le stage a t effectu -->
<!ELEMENT organisation (#PCDATA)>
<!ATTLIST organisation
          %book.link;>

<!-- titre du rappport, du chapitre ou de la section -->
<!ELEMENT title (#PCDATA)>
<!ATTLIST title
       %book.generalAttr;>

<!-- contenu gnral d'une section ou d'un item de liste -->
<!ENTITY % book.content
       "(paragraph|list|code|img|newpage)">

<!-- saut de page -->
<!ELEMENT newpage EMPTY>
<!ATTLIST newpage
    %book.generalAttr;>

<!-- dfinition de la liste -->

<!ELEMENT item (%book.content;)*>
<!ATTLIST item
    %book.generalAttr;>

<!ELEMENT list (item)+>
<!ATTLIST list
    %book.generalAttr;
    type (ordered|unordered) "unordered">


<!-- dfiniton d'un paragraphe -->

<!ELEMENT em (#PCDATA | link)*>
<!ATTLIST em
   %book.generalAttr;>

<!ELEMENT paragraph (#PCDATA | em | link)*>
<!ATTLIST paragraph
    %book.generalAttr;>

<!-- note simple -->
<!ELEMENT note (#PCDATA | link)*>
<!ATTLIST note
```

```
    %book.generalAttr;>

<!-- les exemples -->
<!ELEMENT code (#PCDATA)*>
<!ATTLIST code
    %book.generalAttr;>

<!-- les images -->
<!ELEMENT img EMPTY>
<!ATTLIST img
    %book.generalAttr;
    xml:link CDATA #FIXED "simple"
    %locator.att;
    title CDATA   #REQUIRED
    scale NMTOKEN "1"
>

<!-- les sections (rcursives) -->
<!ELEMENT section (title, (%book.content; | section)+)>
<!ATTLIST section
    %book.generalAttr;>

<!-- les appendices -->
<!ELEMENT appendices (appendix)+>
<!ATTLIST appendices
          %book.generalAttr;>

<!ELEMENT appendix (title, (%book.content; | section)+)>
<!ATTLIST appendix
          %book.generalAttr;>

<!-- les chapitres -->
<!ELEMENT chapters (chapter)+>
<!ELEMENT chapter (title, (paragraph|note)*,
                       (section+, (paragraph|note)*)?)>
<!ATTLIST chapter
    %book.generalAttr;>

<!ELEMENT overview (title, %book.content;)+>
<!ATTLIST overview
    %book.generalAttr;>

<!-- la bilbiographie -->

<!ELEMENT bibliography (entry)+>
<!ATTLIST bibliography
    %book.generalAttr;>

<!ELEMENT entry (authors?, title, year, publisher?, uri?)>
<!ATTLIST entry
    %book.generalAttr;>

<!ELEMENT year (#PCDATA)*>
<!ATTLIST year
    %book.generalAttr;>

<!ELEMENT publisher (#PCDATA)*>
<!ATTLIST publisher
    %book.generalAttr;>

<!ELEMENT uri EMPTY>
<!ATTLIST uri
    %book.link;>

<!-- structure gnral du rapport -->
<!ELEMENT book (title, authors?, managers?, organisation?,
                overview?, chapters, (appendices)?, bibliography?)>
```

Anhang B

Bibliographie

Design Patterns, Elements of Reusable Object-Oriented Software Erich Gamma, Richard Helm, Ralph Johnson and John Vlissides
1995 - Addison Wesley.

Extensible Markup Language (XML) 1.0 Tim Bray, Jean Paoli and C. M. Sperberg-McQueen
1998 - World Wide Web Consortium.

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1998 - Universityy of Helsinki.

Structuring XML documents David Megginson
1998 - Prentice Hall.

Compilateurs : principes, techniques et outils Alfred Aho Ravi Sethi Jeffrey Ullman
1989 - Intereditions.