



Trabajo Practico Integrador Diseño e implementación de Lexer y Parser

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Nacional Facultad Regional Resistencia*

Lugar y Fecha: *Ciudad de Resistencia; Provincia del
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Gramática

$\Sigma \rightarrow$ <?xml version = "número.número" encoding= "texto" ?>

DocBook

DocBook \rightarrow <article>**Artículo**</article>

genArt \rightarrow ItemizedList **genArt** | Important **genArt** | Para **genArt** |
SimPara **genArt** | Address **genArt** | MediaObject **genArt** |
InformalTable **genArt** | Comment **genArt** | Abstract **genArt** |
ItemizedList | Important | Para | SimPara | Address | MediaObject |
InformalTable | Comment | Abstarct

genS \rightarrow Section | Section **genS**

genSS \rightarrow SimpleSec | SimpleSec **genSS**

Artículo \rightarrow **genArt** | Info **genArt** | Title **genArt** | Info Title **genArt** |
genArt genS | Info **genArt genS** | Title **genArt genS** | Info Title
genArt genS | **genArt genSS** | Info **genArt genSS** | Title **genArt**
genSS | Info Title **genArt genSS**

texto \rightarrow cadena alfanumérica

número \rightarrow números

Section \rightarrow <section>**genArt**</section> | <section>Info Title
genArt</section> | <section>Info **genArt**</section> | <section>Title
genArt</section> | <section>**genArt genS**</section> | <section>Info
genArt genS</section> | <section>Title **genArt genS**</section> |
<section>Info Title **genArt genS**</section> | <section>**genArt**
genSS</section> | <section>Info **genArt genSS**</section> |
<section>Title **genArt genSS**</section> | <section>Info Title **genArt**
genSS</section>



SimpleSec → <simplesect>**Info Title genArt**</simplesect> |
<simplesect>**Info genArt**</simplesect> | <simplesect>**Title**
genArt</simplesect> | <simplesect>**genArt**</simplesect>

genInfo → **MediaObject | Abstract | Address | Author | Date |**
Copyright | Title | MediaObject genInfo | Abstract genInfo | Address
genInfo | Author genInfo | Date genInfo | Copyright genInfo | Title
genInfo

Info → <info>**genInfo**</info>

genAbstr → **Para genAbstr | SimPara genAbstr | Para | SimPara**

Abstract → <abstract>**Title genAbstr**</abstract> |
<abstract>**genAbstr**</abstract>

genAddress → **texto | Street | City | State | Phone | Email | texto**
genAddress | Street genAddress | City genAddress | State
genAddress | Phone genAddress | Email genAddress

Address → <address>**genAddress**</address>

genAuthor → **FirstName | SurName | FirstName genAuthor |**
SurName genAuthor

Author → <author>**genAuthor** </author>

genCopy → **Year | Year genCopy**

genHolder → **Holder | Holder genHolder**

Copyright → <copyright>**genCopy**</copyright> | <copyright>**genCopy**
genHolder</copyright>

genTitle → **texto | Emphasis | Link | Email | texto genTitle |**
Emphasis genTitle | Link genTitle | Email genTitle



Title → <title>**genTitle**</title>

Acronimo S.E.C.L (SimPara.Emphasis.Comment.Link)

genSECL → **texto | Emphasis | Link | Email | Author | Comment |**
texto genSECL | Emphasis genSECL | Link genSECL | Email
genSECL | Author genSECL | Comment genSECL |

SimPara → <simpara>**genSECL**</simpara>

Emphasis → <emphasis>**genSECL**</emphasis>

Comment → <comment>**genSECL**</comment>

Link → **genSECL Link | genSECL**

genPara → **texto | Emphasis | link | Email | Author | Comment |**
ItemizedList | Important | Address | MediaObject | InformalTable |
texto genPara | Emphasis genPara | link genPara | Email genPara |
Author genPara | Comment genPara | ItemizedList genPara |
Important genPara | Address genPara | MediaObject genPara |
InformalTable genPara

Para → <para>**genPara**</para>

Important → **Title genArt | genArt**

genFC→ **texto | Link | Emphasis | Comment | texto genFC | Link**
genFC | Emphasis genFC | Comment genFC

FirstName → <firstname>**genFC**</firstname>

Surname → <surname>**genFC**</surname>

Street → <street>**genFC**</street>

City → <city>**genFC**</city>

State → <state>**genFC**</state>

Phone → <phone>**genFC**</phone>

Email → <email>**genFC**</email>

Date → <date>**genFC**</date>

Year → <year>**genFC**</year>

Holder → <holder>**genFC**</holder>

genMediaObj → **VideoObject** | **ImageObject** | **VideoObject**
genMediaObj | **ImageObject** **genMediaObj**

MediaObject → <mediaobject>**Info VideoObject**</mediaobject> |
<mediaobject>**Info ImageObject**</mediaobject> |
<mediaobject>**VideoObject**</mediaobject> |
<mediaobject>**ImageObject**</mediaobject> | <mediaobject>**Info**
VideoObject genMediaObj</mediaobject> | <mediaobject>**Info**
ImageObject genMediaObj</mediaobject> |
<mediaobject>**VideoObject genMediaObj** </mediaobject> |
<mediaobject>**ImageObject genMediaObj** </mediaobject>

VideoObject → <videoobject>**Info VideoData**</videoobject> |
<videoobject>**VideoData**</videoobject>

VideoData → <videodata fileref='texto.VideoFormat' />

VideoFormat → MP4 | Ogg | WebM | AVI | MOV

ImageObject → <imageobject>**Info ImageData**</imageobject> |
<imageobject>**ImageData**</imageobject>

ImageData → <imagedata fileref='texto.ImageFormat' />



ImageFormat → PNG | JPEG | GIF | SVG

genItemizedList → **ListItem** | **Listitem** **genItemizedList**

ItemizedList → <itemizedlist>**genItemizedList**</itemizedlist>

genListItem → **ItemizedList** | **genArt** | **ItemizedList** **genListItem** |
genArt **genListItem**

ListItem → <listitem>**genListItem**</listitem>

genTGroup → **TGroup** | **TGroup** **genTGroup**

genInformalTable → **genMediaObj** | **genTGroup**

InformalTable → <informaltable>**genInformalTable**</informaltable>

TGroup → <tgroup>**thead** **tfoot** **tbody**</tgroup> | <tgroup>**tfoot**
tbody</tgroup> | <tgroup>**thead** **tbody**</tgroup> |
<tgroup>**tbody**</tgroup>

genHFB → **row** | **row** **genHFB**

thead → <thead>**genHFB**</thead>

tfoot → <tfoot>**genHFB**</tfoot>

tbody → <tbody>**genHFB**</tbody>

genrow → **entry** | **entrytbl** | **entry** **genrow** | **entrytbl** **genrow**

row → <row>**genrow**</row>

entrytbl → **thead** **tbody** | **tbody**

genEntry → **texto** | **ItemizedList** | **Important** | **Para** | **SimPara** |
MediaObject | **Comment** | **Abstract** | **texto** **genEntry** | **ItemizedList**



**genEntry | Important genEntry | Para genEntry | SimPara genEntry |
MediaObject genEntry | Comment genEntry | Abstract genEntry**

entry → <entry>**genEntry**</entry>

LINK →<link xlink:href= **PROTOCOLO://DOMINIO_GRAL FINAL_URL**
</link>

FINAL_URL → /RUTA#LOCALIZADOR | /RUTA

PROTOCOLO → http | https | ftp | ftps

DOMINIO_GRAL → **DOMINIO:PUERTO** | **DOMINIO**

LOCALIZADOR → texto

DOMINIO → texto

RUTA →texto