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Feature grammar systems. Incremental maintenance of indexes to digital media warehouses

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Citation for published version (APA):

Windhouwer, M. A. (2003). Feature grammar systems. Incremental maintenance of indexes to digital media warehouses Amsterdam

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Appendix C

XML documents

C.1 A schema document

```
1 <?xml version="1.0"?>
2 <fg:grammar
3   xmlns:fg="http://www.cwi.nl/~acoi/fg/schema"
4   xmlns:WWW="http://www.cwi.nl/~acoi/WWW"
5   xmlns:Image="http://www.cwi.nl/~acoi/WWW"
6 >
7 <WWW:WebObject type=".non-terminal.start.">
8   <WWW:Location type=".non-terminal."/>
9   <WWW:WebHeader type=".non-terminal.detector.blackbox."/>
10  <WWW:WebBody type=".non-terminal."/>
11 </WWW:WebObject>
12 <WWW:WebHeader type=".non-terminal.detector.blackbox.">
13   <WWW:Modification type=".non-terminal."/>
14   <WWW:Length type=".non-terminal."/>
15 </WWW:WebHeader>
16 <WWW:Location type=".non-terminal.">
17   <WWW:url type=".terminal.atom." module="www"/>
18 </WWW:Location>
19 <WWW:Modification type=".non-terminal.">
20   <WWW:date type=".terminal.atom." module="temporal"/>
21 </WWW:Modification>
22 <WWW:Length type=".non-terminal.">
23   <fg:lmg type=".terminal.atom."/>
24 </WWW:Length>
25 <WWW:WebBody type=".non-terminal.">
26   <Image:Image type=".non-terminal."/>
27 </WWW:WebBody>
28 <Image:Skin type=".non-terminal.detector.blackbox."/>
```

```
29     <Image:bitmap type=".terminal.atom." module="image"/>
30 </Image:Skin>
31 <Image:Color type=".non-terminal.detector.blackbox.">
32   <Image:RGB type=".non-terminal."
33     coll="list" lbnd="0" hbnd="infinite"/>
34   <Image:Number type=".non-terminal."/>
35   <Image:Prevalent type=".non-terminal."/>
36   <Image:Saturation type=".non-terminal."/>
37 </Image:Color>
38 <Image:Faces type=".non-terminal.detector.blackbox.">
39   <fg:int type=".terminal.atom."/>
40 </Image:Faces>
41 <Image:Red type=".non-terminal.">
42   <fg:int type=".terminal.atom."/>
43 </Image:Red>
44 <Image:Green type=".non-terminal.">
45   <fg:int type=".terminal.atom."/>
46 </Image:Green>
47 <Image:Blue type=".non-terminal.">
48   <fg:int type=".terminal.atom."/>
49 </Image:Blue>
50 <Image:Number type=".non-terminal.">
51   <fg:int type=".terminal.atom."/>
52 </Image:Number>
53 <Image:Prevalent type=".non-terminal.">
54   <fg:flt type=".terminal.atom."/>
55 </Image:Prevalent>
56 <Image:Saturation type=".non-terminal.">
57   <fg:flt type=".terminal.atom."/>
58 </Image:Saturation>
59 <Image:Image type=".non-terminal.">
60   <Image:Color type=".non-terminal.detector.blackbox."/>
61   <Image:Class type=".non-terminal."/>
62 </Image:Image>
63 <Image:Class type=".non-terminal.">
64   <Image:Graphic type=".non-terminal.detector.blackbox."/>
65   <Image:Photo type=".non-terminal.detector.whitebox."/>
66   <Image:Skin type=".non-terminal.detector.blackbox."/>
67   <Image:Faces type=".non-terminal.detector.blackbox."/>
68 </Image:Class>
69 <Image:RGB type=".non-terminal.">
70   <Image:Red type=".non-terminal."/>
71   <Image:Green type=".non-terminal."/>
72   <Image:Blue type=".non-terminal."/>
73 </Image:RGB>
74 </fg:grammar>
```

C.2 A parse forest document

```

1 <?xml version="1.0"?>
2 <fg:forest
3   xmlns:fg="http://www.cwi.nl/~acoi/fg/forest"
4   xmlns:WWW="http://www.cwi.nl/~acoi/WWW"
5   xmlns:Image="http://www.cwi.nl/~acoi/Image"
6 >
7   <fg:elementary context="1:1" confidence="1.00" idrefs="2"
8     start="WWW:WebObject" date="20030625"
9   >
10    <WWW:WebObject id="5478@0" context="1:1">
11      <WWW:Location id="1" context="1:1">
12        <WWW:url id="2" context="1:1">
13          <![CDATA[http://...]]>
14        </WWW:url>
15      </WWW:Location>
16      <WWW:WebHeader idrefs="5479@0" context="1:1"/>
17      <WWW:WebBody id="7" context="1:1">
18        <Image:Image id="8" context="1:1">
19          <Image:Color idrefs="5480@0" context="1:1"/>
20          <Image:Class id="15" context="1:1">
21            <Image:Photo idrefs="5486@0" context="1:1"/>
22            <Image:Skin idrefs="5487@0" context="1:1"/>
23            <Image:Faces idrefs="5488@0" context="1:1"/>
24          </Image:Class>
25        </Image:Image>
26      </WWW:WebBody>
27    </WWW:WebObject>
28  </fg:elementary>
29  <fg:auxiliary date="20030625">
30    <WWW:WebHeader id="5479@0" idrefs="2" context="1:1"
31      confidence="1.00" version="1.0.0"
32    >
33      <WWW:Modification id="3" context="1:1">
34        <WWW:date id="4" context="1:1">
35          <![CDATA[Jul 23 2001]]>
36        </WWW:date>
37      </WWW:Modification>
38      <WWW:Length id="5" context="1:1">
39        <fg:lmg id="6" context="1:1">
40          <![CDATA[14197]]>
41        </fg:lmg>
42      </WWW:Length>
43    </WWW:WebHeader>
44  </fg:auxiliary>

```

```
45 <fg:auxiliary date="20030625">
46   <Image:Color id="5480@0" idrefs="2" context="1:1"
47     confidence="1.00" version="1.0.0"
48   >
49     <Image:Number id="9" context="1:1">
50       <fg:int id="10" context="1:1">
51         <![CDATA[29053]]>
52       </fg:int>
53     </Image:Number>
54     <Image:Prevalent id="11" context="1:1">
55       <fg:flt id="12" context="1:1">
56         <![CDATA[0.03]]>
57       </fg:flt>
58     </Image:Prevalent>
59     <Image:Saturation id="13" context="1:1">
60       <fg:flt id="14" context="1:1">
61         <![CDATA[0.19]]>
62       </fg:flt>
63     </Image:Saturation>
64   </Image:Color>
65 </fg:auxiliary>
66 <fg:auxiliary date="20030625">
67   <Image:Photo id="5486@0" idrefs="10 12 14"
68     context="1:1" confidence="0.85" version="1.0.0"
69   />
70 </fg:auxiliary>
71 <fg:auxiliary date="20030625">
72   <Image:Skin id="5487@0" idrefs="2" context="1:1"
73     confidence="0.95" version="1.0.0"
74   >
75     <Image:bitmap id="16" context="1:1">
76       <![CDATA[00...]]>
77     </Image:bitmap>
78   </Image:Skin>
79 </fg:auxiliary>
80 <fg:auxiliary date="20030625">
81   <Image:Faces id="5488@0" idrefs="16" context="1:1"
82     confidence="0.77" version="1.0.0"
83   >
84     <fg:int id="17" context="1:1">
85       <![CDATA[1]]>
86     </fg:int>
87   </Image:Faces>
88 </fg:auxiliary>
89 </fg:forest>
```