

## Tehtävä 3: XML-dokumentti ja DTD

### XML

```
people.xml > people > husband > wife > secondName
1  <?xml version="1.0" encoding="UTF-8" standalone="no"?>
2  <!DOCTYPE people SYSTEM "../peopleDTD.dtd">
3
4  <people>
5
6      <husband employed="Yes">
7          <name>John</name>
8          <secondName>Gary</secondName>
9          <age>40</age>
10         <wife>
11             <wname>Anna</wname>
12             <age>30</age>
13         </wife>
14     </husband>
15
16     <husband employed="No">
17         <name>Jack</name>
18         <age>25</age>
19         <wife>
20             <wname>Jane</wname>
21             <secondName>Emma</secondName>
22             <age>29</age>
23         </wife>
24     </husband>
25
26 </people>
```

### DTD

```
people.xml  peopleDTD.dtd X
peopleDTD.dtd > ...
1  <!ELEMENT people (husband)*>
2  <!-- ATTLIST husband employed CDATA "Yes" --> <!-- CDATA = Character data. Default value = Yes -->
3  <!ELEMENT husband (name,secondName?,age,wife)> <!-- Only one -->
4  <!ELEMENT name (#PCDATA)*> <!-- Parserable Character Data -->
5  <!ELEMENT secondName (#PCDATA)>
6  <!ELEMENT age (#PCDATA)*>
7  <!-- ELEMENT wife (wname,secondName?,age)* --> <!-- Can be many of those. No need to address age again because its already done -->
8  <!ELEMENT wname (#PCDATA)*>
9  |
```

### Validate

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
No problems have been detected in the workspace.
```