

Exercise – 4
XML and Semantic Web Technologies – SoSe 2012
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Answering the following questions for the following XML files and you may edit them (Can have a look at the W3C Recommendation for Namespaces):

- Is the declaration of the namespace correct?
- Is the use of namespace in the following documents valid / correct according to the namespace concept ?
- If the namespace concept has been violated: Correct the document!
- In each of the documents which component (element, attribute, text, if necessary) belongs to which namespace (Use different colors for each namespace/no-namespace and their corresponding components.)

XML-Document #1:

```
<?xml version="1.0" encoding="UTF-8"?>
<root xmlns:n1="test://mähdrescher" xmlns:n2="test://m%E4hdrescher" xmlns:n3="test:opaque_uri#">
  <n1:child n3:attr="attributwert" attr="attributwert" n1:attr="noch_ein_wert"></n1:child>
  <n2:child n3:attr="Hallo" n2:attr="Welt"></n2:child>
  <n3:child attr="Test"></n3:child>
</root>
```

XML-Document #2:

```
<?xml version="1.0" encoding="UTF-8"?>
<root xmlns:n1="test://mähdrescher" xmlns:n2="test://mähdrescher" xmlns:n3="test:opaque_uri#">
  <n1:child n3:attr="attributwert" n2:attr="attributwert" n1:attr="noch_ein_wert"></n1:child>
  <n2:child n1:attr="Hallo, " attr="schöne" n2:attr="Welt"></n2:child>
  <child attr="Test"></child>
</root>
```

XML-Document #3:

```
<?xml version="1.0" encoding="UTF-8"?>
<root xmlns="test://mähdrescher" xmlns:n1="test://mähdrescher" xmlns:n2="test://mähdrescher" xmlns:n3="test:opaque_uri#">
  <n1:child n3:attr="attributwert" attr="attributwert" ></n1:child>
  <n2:child n3:attr="Hallo" n2:attr="Welt"></n2:child>
  <n3:child attr="Test" n3:attr="1, 2, 3!"></n3:child>
  <child n2:attr="1, 2, 3!" attr="Test"></child>
</root>
```

XML-Document #4:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<html:html xmlns:html="http://www.w3.org/2002/06/xhtml12/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.w3.org/2002/06/xhtml12/ http://www.w3.org/MarkUp/SCHEMA/xhtml12.xsd"
  xmlns:xi="http://www.w3.org/2001/XInclude"
  xmlns="ismll://lectures/xml-swt/exercises/#ex3">
  <html:head>
    <html:title>Titelzeile</html:title>
  </html:head>
  <html:body>
    <xi:include href="namespace2.xml"/>
    <svg width="10cm" height="5cm" viewBox="0 0 1000 500"
      xmlns="http://www.w3.org/2000/svg" version="1.1">
      <rect x="200" y="100" width="600" height="300"
        fill="red" stroke="blue" stroke-width="3"/>
    </svg>
  </html:body>
</html:html>
```