



XSpec meet-up
xspec-maven-plugin

- **Many maven projects embeds XML technologies**
 - XSLT
 - XQuery
 - Schematron
- **They are all code, and require unit testing**
- **xspec-maven-plugin allows to unit test with XSpec in Maven**
 - It is bound to test Maven phase
- **XSpec files are expected in `src/test/xspec`**

```
src/test/  
└─ xspec  
    └─ uppercaseTest.xspec  
    └─ xquery-tutorial.xspec
```

- **xspec-maven-plugin relies on Saxon**
 - We can not determine which release of saxon your project will use
 - You have to declare explicitly which Saxon release use with the plugin

```
<plugin>
  <groupId>io.xspec.maven</groupId>
  <artifactId>xspec-maven-plugin</artifactId>
  <version>1.5.1</version>
  <dependencies>
    <dependency>
      <groupId>net.sf.saxon</groupId>
      <artifactId>Saxon-HE</artifactId>
      <version>9.8.0-8</version>
    </dependency>
  </dependencies>
</plugin>
```

- If your project has already a dependency on Saxon, this is not required
- **Xspec-maven-plugin may use Saxon-PE or Saxon-EE**

- **xspec-maven-plugin may use Saxon-PE or Saxon-EE**
 - You have to put Saxon-PE or Saxon-EE artifacts in your repository
 - You have to declare a dependency on you saxon-license

```
<plugin>
  <groupId>io.xspec.maven</groupId>
  <artifactId>xspec-maven-plugin</artifactId>
  <version>1.5.0</version>
  <dependencies>
    <dependency>
      <groupId>extern.net.sf.saxon</groupId>
      <artifactId>saxonee</artifactId>
      <version>9.7.0.13</version>
    </dependency>
    <dependency>
      <groupId>extern.net.sf.saxon</groupId>
      <artifactId>saxonee-license</artifactId>
      <version>9.7</version>
    </dependency>
  </dependencies>
</plugin>
```

- **xspec-maven-plugin searches recursively for xspec files**
 - It is possible to exclude some files with patterns
- **Each xspec file is run, accordingly to XSpec implementation**
 - It produces an HTML report, as actual XSpec implementation
 - All reports are in target/xspec-reports
- **An index.html is generated**
 - With a resume of each file [**Passed | Pending | Failed | Missed | Total**]

XSpec results

XSpec file	Passed	Pending	Failed	Missed	Total
/Users/cmarchand/devel/github/xmlprague-demo/src/test/xspec					
xquery-tutorial.xspec	0	0	0	1	1
uppercaseTest.xspec	2	0	0	0	2

- xspec-maven-plugin supports catalogs
- xspec-maven-plugin supports almost all Saxon configuration

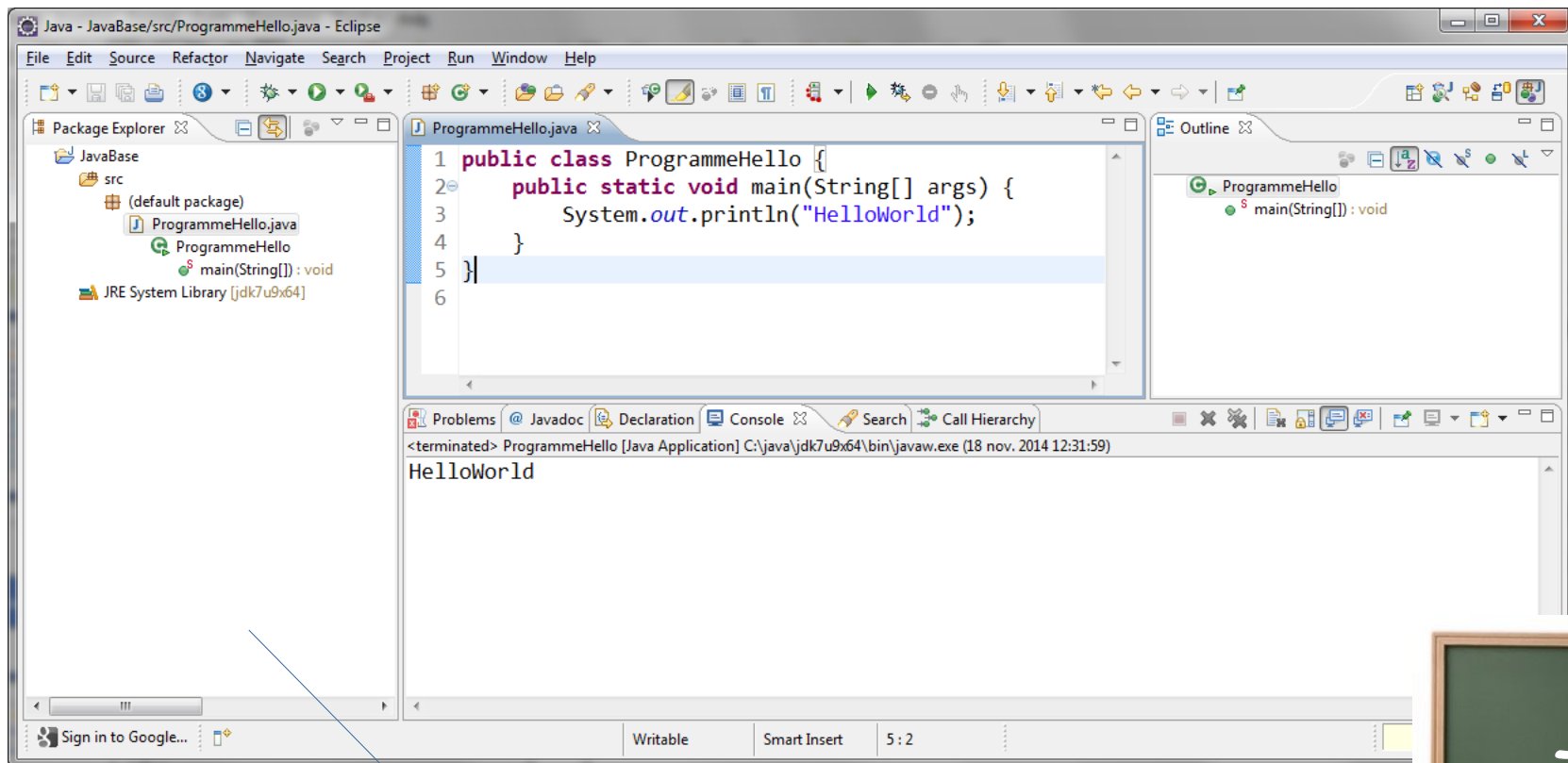
```
<configuration>
  <catalogFile>catalog.xml</catalogFile>
  <saxonOptions>
    <dtd>off</dtd>
    <ea>off</ea>
    <expand>off</expand>
    <ext>on</ext>
    <l>off</l>
    <m>top.marchand.xml.saxon.MessageReceiver</m>
    <opt>9</opt>
    <or>top.marchand.xml.saxon.OutputUriResolver</or>
    <outval>recover</outval>
    <strip>none</strip>
    <TJ>off</TJ>
    <warnings>silent</warnings>
    <xi>on</xi>
  </saxonOptions>
</configuration>
```

- **Code coverage is not implemented**
 - It relies on Saxon-EE
 - It is difficult to implement this, keeping code compatible with Saxon-HE
- **XSpec for XQuery should work, but not released**
- **XSpec for Schematron doesn't work**
- **xspec-maven-plugin relies on XSpec 0.5**
 - This may change this evening...
- **Support for XQuery and Schematron should be available quickly**
 - Need only few work and testing

- Pour l'impression, ne pas sortir des limites du trait de séparation

Ne pas dépasser

Ne pas dépasser



Redimensionner proportionnellement
et avec des rapports entiers si possibles

TP 2

OX-bleu très clair
#F0F5F7
240, 245, 247

OX-jaune
#FFFFCC
255, 255, 204

OX-orange clair
#FFCD9B
255, 205, 155

OX-orange
#EC9300
236, 147, 0

OX-bleu clair
#CFE7F5
207, 231, 245

OX-bleu
#4E8Ef7
78, 142, 247

OX-bleu foncé
#3067C2
48, 103, 194

OX-bleu logo
#2155AA
33, 85, 170

• Pour créer la macro

- Copier le source ci-contre dans le presse-papier
- Ouvrir l'éditeur de **LibreOffice Basic...**
 - Outils > Macros > Gérer les macros > LibreOffice Basic...
- Créer une nouvelle macro personnelle
 - Mes macros > Standard > [Nouveau]
- Coller le texte de la macro et fermer

• Pour créer le bouton StyleCode

- Ouvrir l'éditeur de **LibreOffice Basic...**
 - Comme ci-dessus
- Assigner la macro à une barre d'outil
 - [Assigner] > [Barre d'outils] > [Ajouter]
 - Retrouver la macro
 - [Ajouter]

```
REM ***** BASIC *****

sub StyleCode
rem -----
rem define variables
dim document as object
dim dispatcher as object
rem -----
rem get access to the document
document = ThisComponent.CurrentController.Frame
dispatcher = createUnoService("com.sun.star.frame.DispatchHelper")

rem -----
dim args1(0) as new com.sun.star.beans.PropertyValue
args1(0).Name = "Color"
args1(0).Value = 0

dispatcher.executeDispatch(document, ".uno:Color", "", 0, args1())

rem -----
dim args2(4) as new com.sun.star.beans.PropertyValue
args2(0).Name = "CharFontName.StyleName"
args2(0).Value = "Gras"
args2(1).Name = "CharFontName.Pitch"
args2(1).Value = 1
args2(2).Name = "CharFontName.CharSet"
args2(2).Value = -1
args2(3).Name = "CharFontName.Family"
args2(3).Value = 2
args2(4).Name = "CharFontName.FamilyName"
args2(4).Value = "Courier New"

dispatcher.executeDispatch(document, ".uno:CharFontName", "", 0, args2())

rem -----
dim args3(0) as new com.sun.star.beans.PropertyValue
args3(0).Name = "Bold"
args3(0).Value = true

dispatcher.executeDispatch(document, ".uno:Bold", "", 0, args3())

rem -----
dim args4(2) as new com.sun.star.beans.PropertyValue
args4(0).Name = "FontHeightCJK.Height"
args4(0).Value = 10.5
args4(1).Name = "FontHeightCJK.Prop"
args4(1).Value = 100
args4(2).Name = "FontHeightCJK.Diff"
args4(2).Value = 0

dispatcher.executeDispatch(document, ".uno:FontHeightCJK", "", 0, args4())

end sub
```