Editing XML and HTML with JBoss Visual Page Editor

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Overall Presentation Goal

Learn how to use and customize the Visual Page Editor in JBoss Tools
Max leads the development of JBoss Tools and Developer Studio at JBoss

Max developed Hibernate Tools

Max is part of Hibernate and Seam team

Max is looking for contributors to add to the team :)
Overall Presentation Goal

Learn how to use and customize Visual Page Editor in JBoss tools
In general I find visual editors to be restrictive and useless

...but sometimes they are quite useful
Visual Page Editor

- Provides out-of-the-box rich editing support for HTML, JSF and Facelets documents
- Uses Mozilla/XULRunner for rendering
- This is NOT the visual editor(s) from Eclipse WTP or ATF
- Very easily extended for custom tags and even other XML based languages (e.g. DocBook)
<div class="dialog">
    <h:panelGrid columns="2" rowClasses="prop" columnClasses="prop">
        <h:outputLabel for="username">Username</h:outputLabel>
        <h:inputText id="username" value="#{identity.username}"/>
        <h:outputLabel for="password">Password</h:outputLabel>
        <h:inputSecret id="password"/>
    </h:panelGrid>
</div>

Error Messages

Login

Please login using any username and password

Username: #{identity.username}
Password: ************
Remember me: 

Login
DEMO

Visual Page Editor
Welcome to showing of JBoss Tools Visual Page Editor Small talk at EclipseCon 2008:

I'm speaking at EclipseCon:

...when I should be at home taking care of:

Powered by Seam, Generated by searingen
1. Create a PDE plugin

2. Add `org.jboss.tools.vpe` as plugin dependency

3. Add extension point `org.jboss.tools.vpe.templates` pointing to ...

4. a `templates/yourtag-templates.xml` file

5. Write conversion templates from your tags to html

   ```xml
   <vpe:tag name="e:img"
   <vpe:template>
   <img src="{src(@href)}"/>
   </vpe:template>
   </vpe:tag>
   ```

6. Repeat for every tag until done!
Welcome to showing of JBoss Tools Visual Page Editor Small talk at EclipseCon 2007!

I'm speaking at EclipseCon...

...when I should be at home taking care of:
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DEMO

Custom templates
...what if the XML is not HTML'ish?

DocBook?

Seam Mail/PDF tags?

Your Own Document'ish XML?
Create a Seam Project

A core element that makes the JBoss Developer Studio "scalable" is the JBoss Seam framework.

The main purpose of this chapter is to tell you about build a simple Seam web application in minutes with the JBoss Developer Studio.

This section helps you to create a simple Seam project.

To create a new web application in Seam, you should create a Seam web project. This section provides all the necessary steps to organize a new project with appropriate tooling and adjust the settings that match your needs. In order to find out more information, see Seam Dev Tools Reference guide.

First, select

New > Project... > Seam > Seam Web Project

You will be prompted to enter a name and a location directory for your new project. The wizard has an option for selecting the actual Server (and not just WTP runtime) that will be used for the project. This allows the wizard to correctly identify where the needed datasource and driver libraries need to go.
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Create a Seam Project

This section helps you to create a simple Seam project.

To create a new web application in Seam, you should create a Seam web project. This section provides all the necessary steps to organize a new project with appropriate tooling and adjust the settings that match your needs. In order to find out more information, see Seam Dev Tools Reference guide.

First, select

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Create a Seam Project

![New Seam Project dialog box]

Seam Web Project
Create standalone Seam Web Project

<table>
<thead>
<tr>
<th>Project name:</th>
<th>MySeamProj</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project contents:</td>
<td>MySeamProj</td>
</tr>
<tr>
<td>Use default:</td>
<td>☑</td>
</tr>
</tbody>
</table>

Insert Seam Web Project
DEMO

DocBook Editor
More information?

• Download: http://www.jboss.org/tools

• DocBook Editor: http://jira.jboss.com/jira/browse/JBIDE-1304
Concluding statement

If you have a custom taglib you can configure VPE to render it as you want.
VPE can edit general XML, not just JSF/XHTML.
Q&A

http://jboss.org/tools

http://twitter.com/jbosstools

http://in.relation.to/Bloggers/Max
Thanks for your attention!

http://tools.hibernate.org

http://jboss.org/tools

http://twitter.com/jbosstools

http://in.relation.to/Bloggers/Max