

JAXFront[®]

Eclipse Demo Project





« From Developers For Developers ... »
V2.61

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Conventions used in this document

Image	Meaning
	Points to an example-syntax in XML.
	Points to a code example in Java.
	Refers to important information.
	Describes a previously presented example..

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1 Introduction

This document describes how to use JAXFront within your own java application using the eclipse IDE.

If you are interested in generating Java user interfaces, see chapter 2. To generate web forms (XHTML) see chapter 3.1

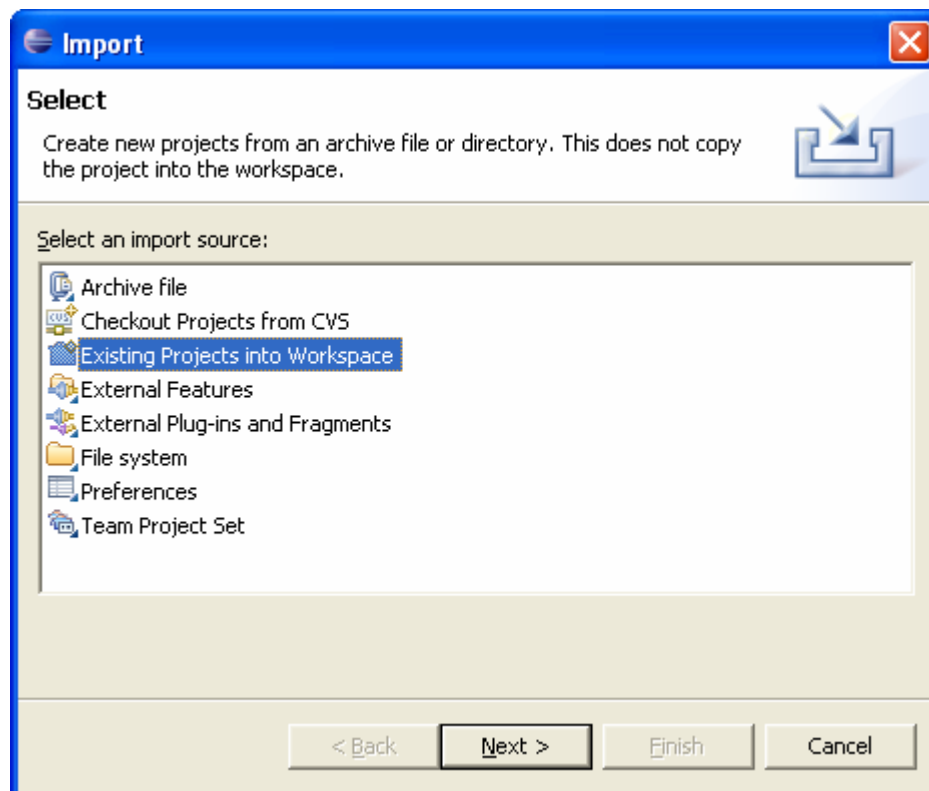
2 Java Examples

2.1.1 Setting Up Environment

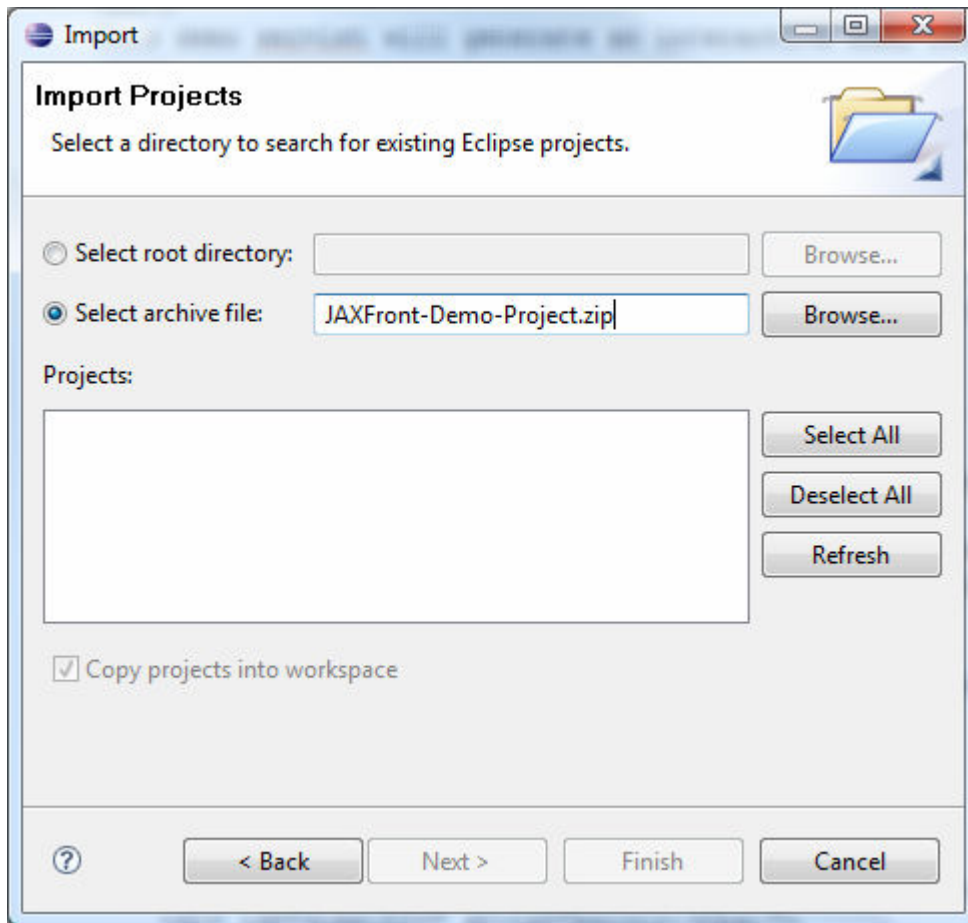
Be sure you have a running eclipse IDE (3.x) installed.

2.1.2 Basic Installation

- 1) Download the JAXFront eclipse project example from here:
<http://www.jaxfront.com/download/JAXFront-Demo-Project.zip>
- 2) From the eclipse main menu choose “File→ Import...”
- 3) Choose “Existing Projects into Workspace”

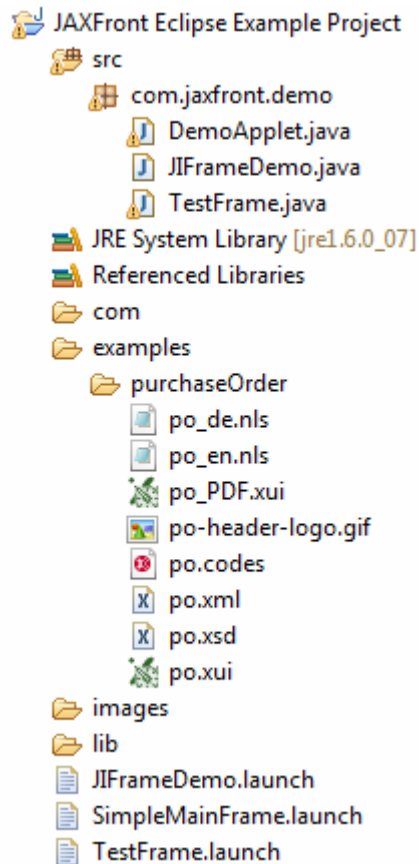


4) Choose “Select archive file” and select the JAXFront-Demo-Project.zip you have downloaded earlier. Press “Finish” to start the import.



2.1.3 Directory Structure

After you have imported the project archive, you should see the following directory structure.



Explanation:

src

Includes the source code for the java examples. In the package "com.jaxfront.demo" all java classes are runnable java programs. Just run them through the main method within your eclipse environment.

com

Includes the compiled source code (*.class) for the java examples.

examples

Directory containing xsd, xml and xui examples. Put our own example resources here.

images

Image resources needed in the samples.

lib

JAXFront system jar files and all used Libraries. (e.g. Log4J, xerces, ...).

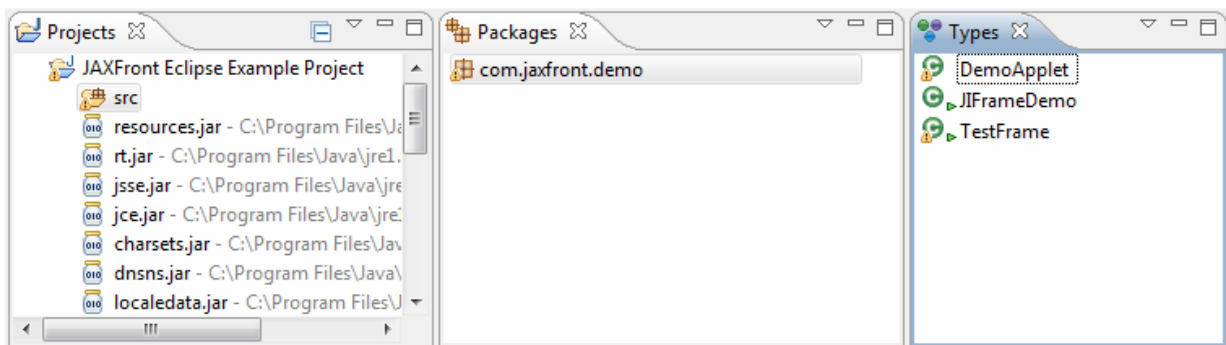
2.1.4 Used Libraries

To run the examples, JAXFront needs the following libraries (located in the folder “lib”).

Library name	Description	Version
jaxfront-core.jar	<i>jaxfront core classes</i>	2.60
jaxen	<i>Universal Java XPath Engine</i>	1.0
JEP	<i>Math Expression Parser</i>	2.2.4
jaxfront-swing.jar	<i>jaxfront swing renderer</i>	2.60
jaxfront-pdf.jar	<i>jaxfront pdf renderer</i>	2.60
log4j.jar	Apache Logging Framework	1.2.8
resolver.jar	Apache Resolver Tool	1.1
xercesImpl.jar	Apache XML Schema Parser	2.6.2
xml-apis.jar	W3C XML DOM/SAX API	1.2.01
commons-lang-2.3.jar	Apache commons language library	2.30

2.1.5 Run Examples

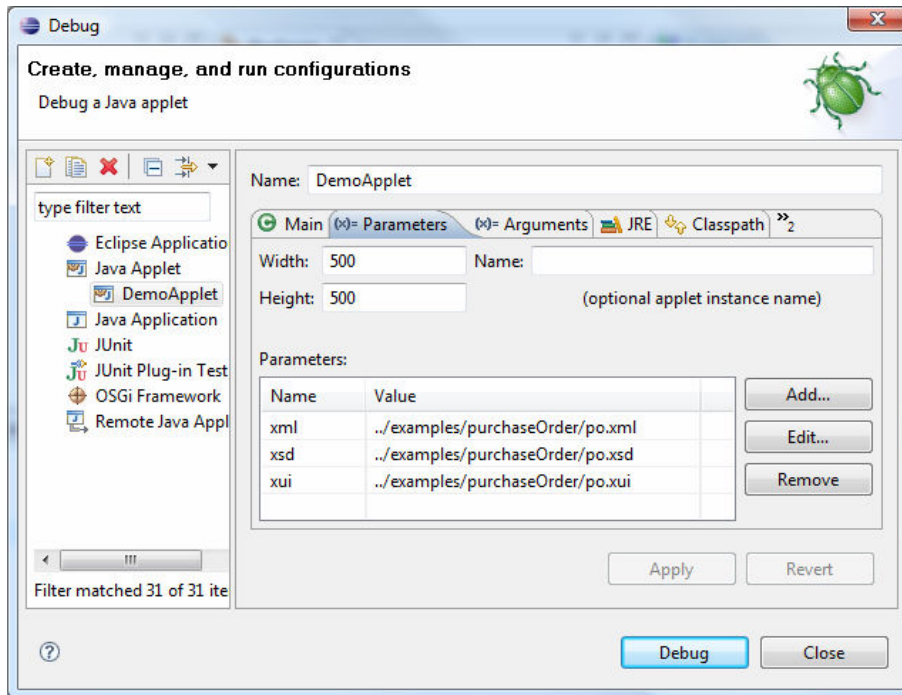
To run the examples, navigate to the package “com.jaxfront.demo”. To run the class, select the class and select “Run As / Debug As → Java Application/Java Applet” from the popup menu.



You find the following executable java applications:

- **com.jaxfront.demo.DemoApplet**
Demonstrates how to use JAXFront within an applet.
- **com.jaxfront.demo.JIFrameDemo**
Shows how easy a JAXFront UI can be integrated in an own JDesktopPane using MDI.
- **com.jaxfront.demo.TestFrame**
Demonstrates how easy it is to integrate generated JAXFront UI's within your own application frame.

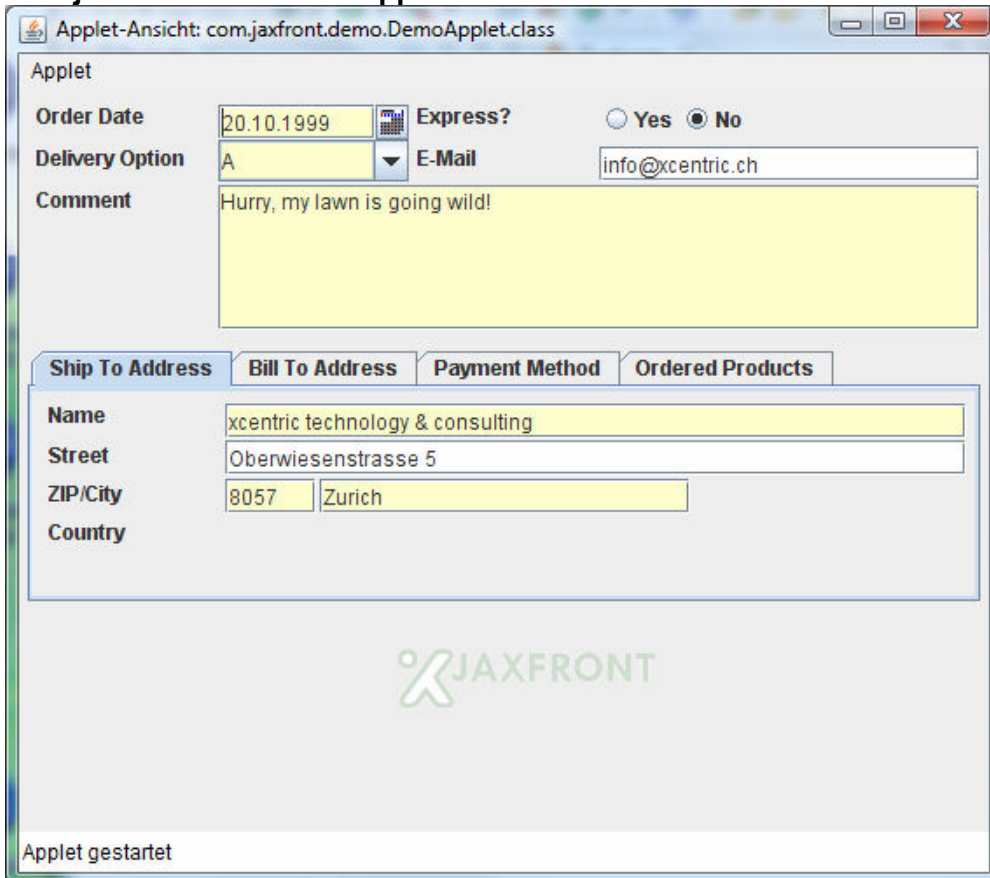
Note: To run the applet example (DemoApplet). Choose “Run As → JavaApplet” and pass the following parameters:



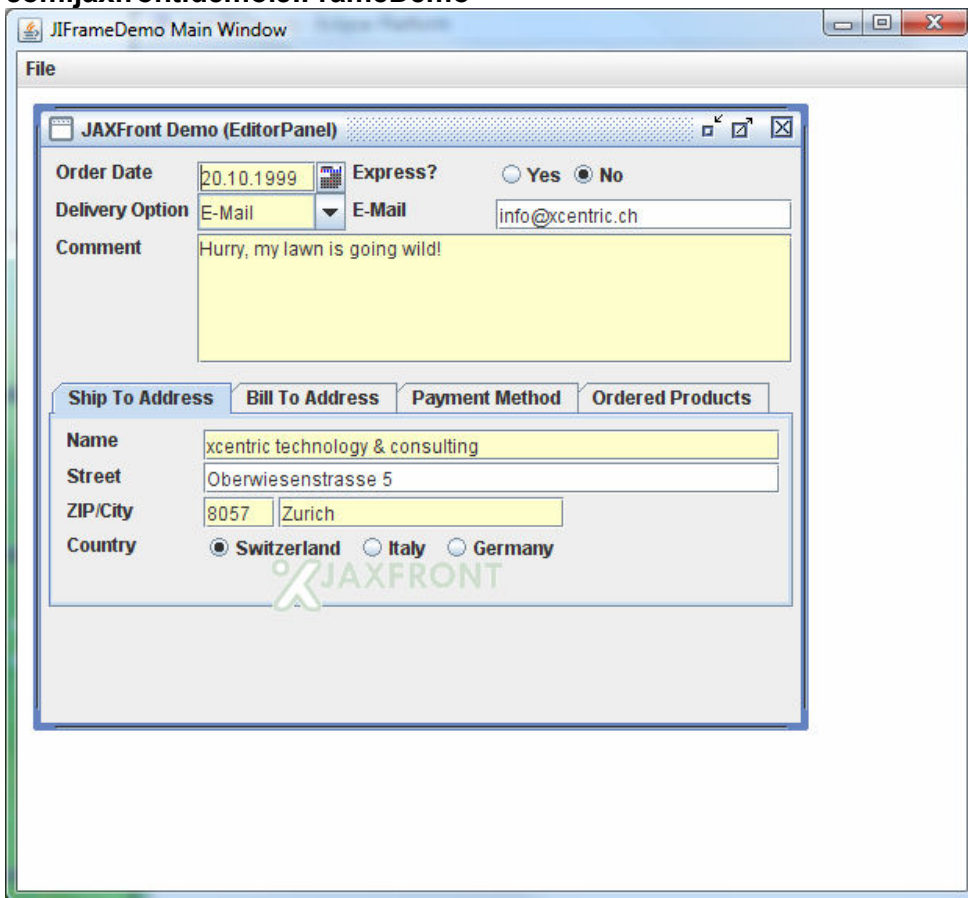
2.1.6 Screenshots

Here is how the example applications look like.

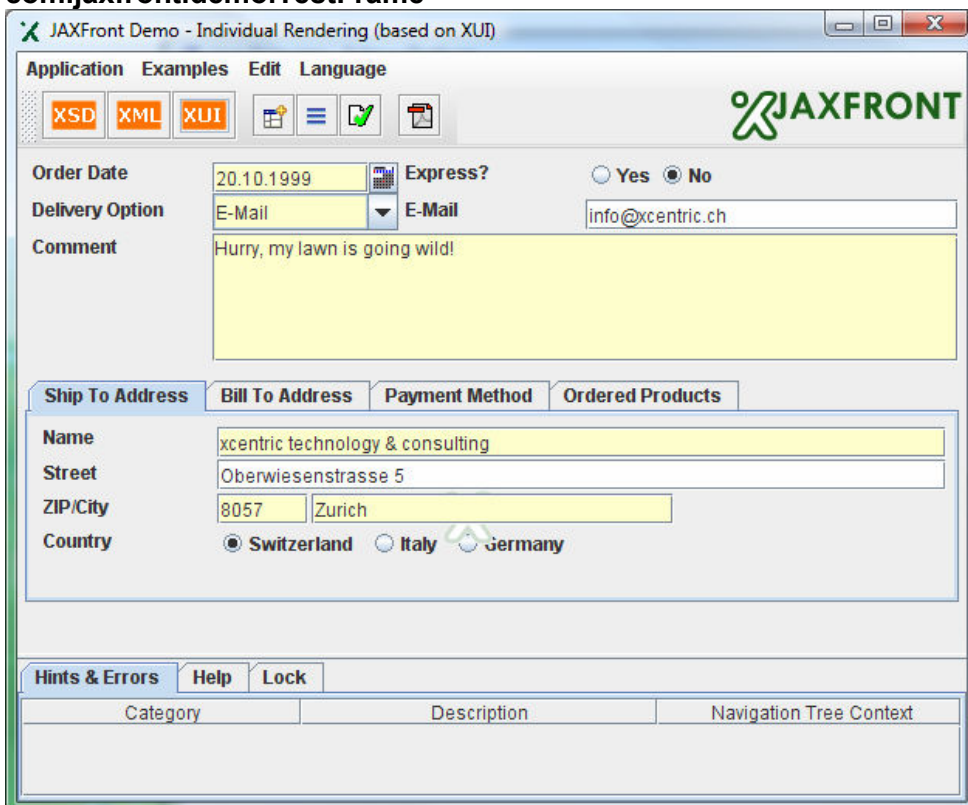
com.jaxfront.demo.DemoApplet



com.jaxfront.demo.JIFrameDemo



com.jaxfront.demo.TestFrame



3 HTML Examples

Demonstrates the usage of the JAXFront XHTML renderer.

3.1 Setting Up Environment

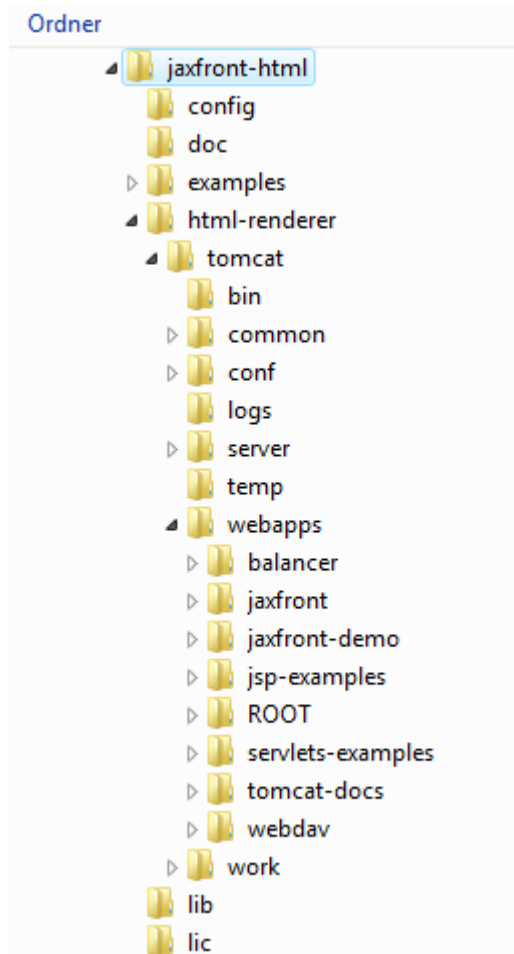
To run the examples be sure you have a J2EE application server (i.e. Tomcat, Weblogic, Websphere, JBOSS, ...) installed on your system. JAXFront HTML renderer runs with the following configuration:

- Java 1.4 or higher
- Servlet Runtime (Java Servlet 2.3+)
- Browser: Internet Explorer 5.5+, Mozilla 1.7+ or Firefox 1.0+, Safari 2.0+ (No plug-in needed)
- Browser must have Java Script enabled

Note: If you do not have a running J2EE application server on your system, you may use the embedded tomcat within the following installer from JAXFront:

http://www.jaxfront.org/member/JAXFront-Install-V2_html.exe

After you have installed the JAXFront HTML Renderer, navigate to the directory where you have installed JAXFront. You find the following directory structure:



To start Tomcat, go to the directory “/html-renderer/tomcat/bin” and run the file “startup.bat”. Be sure you have JAVA_HOME set in your system environment.

3.2 Basic Installation

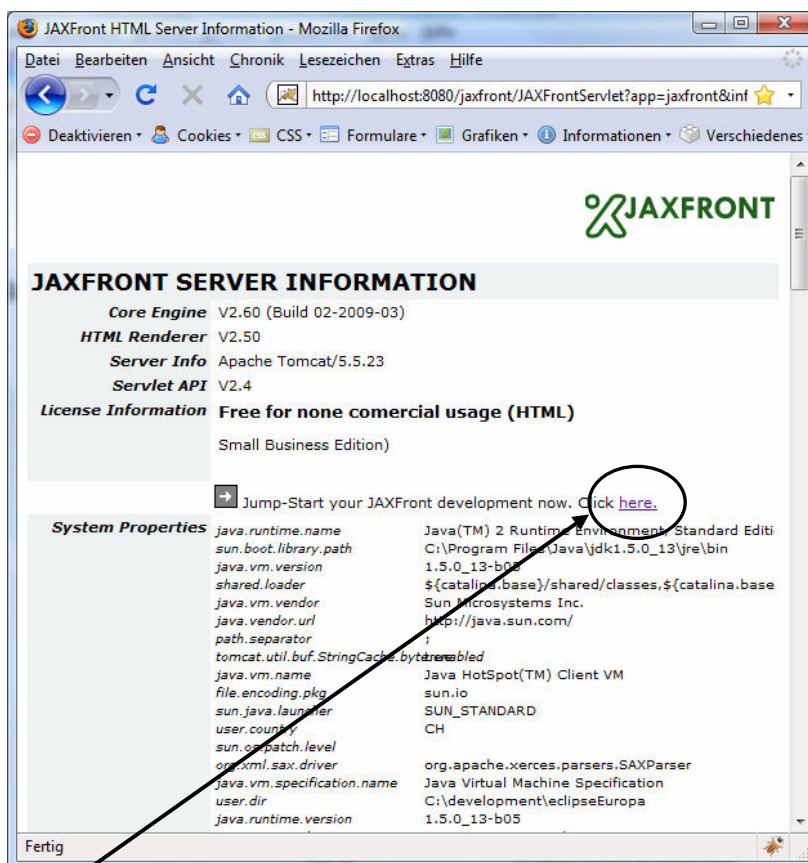
1. Download the jaxfront html renderer & examples from the following location:
<http://www.jaxfront.org/download/jaxfront.war>
<http://www.jaxfront.org/download/jaxfront-demo.war>
2. Deploy the WAR files to your J2EE application server.

Note: If you use Tomcat, put the war files into the webapps directory of your application server (i.e. c:\tomcat\webapps). Be sure you delete the “old” directory called “jaxfront” and “jaxfront-demo” first to be sure the WAR file get deployed again.

3.3 Run Examples

After successful installation of the JAXFront HTML Server (Servlet), point your browser to the following location: <http://localhost:8080/jaxfront/>

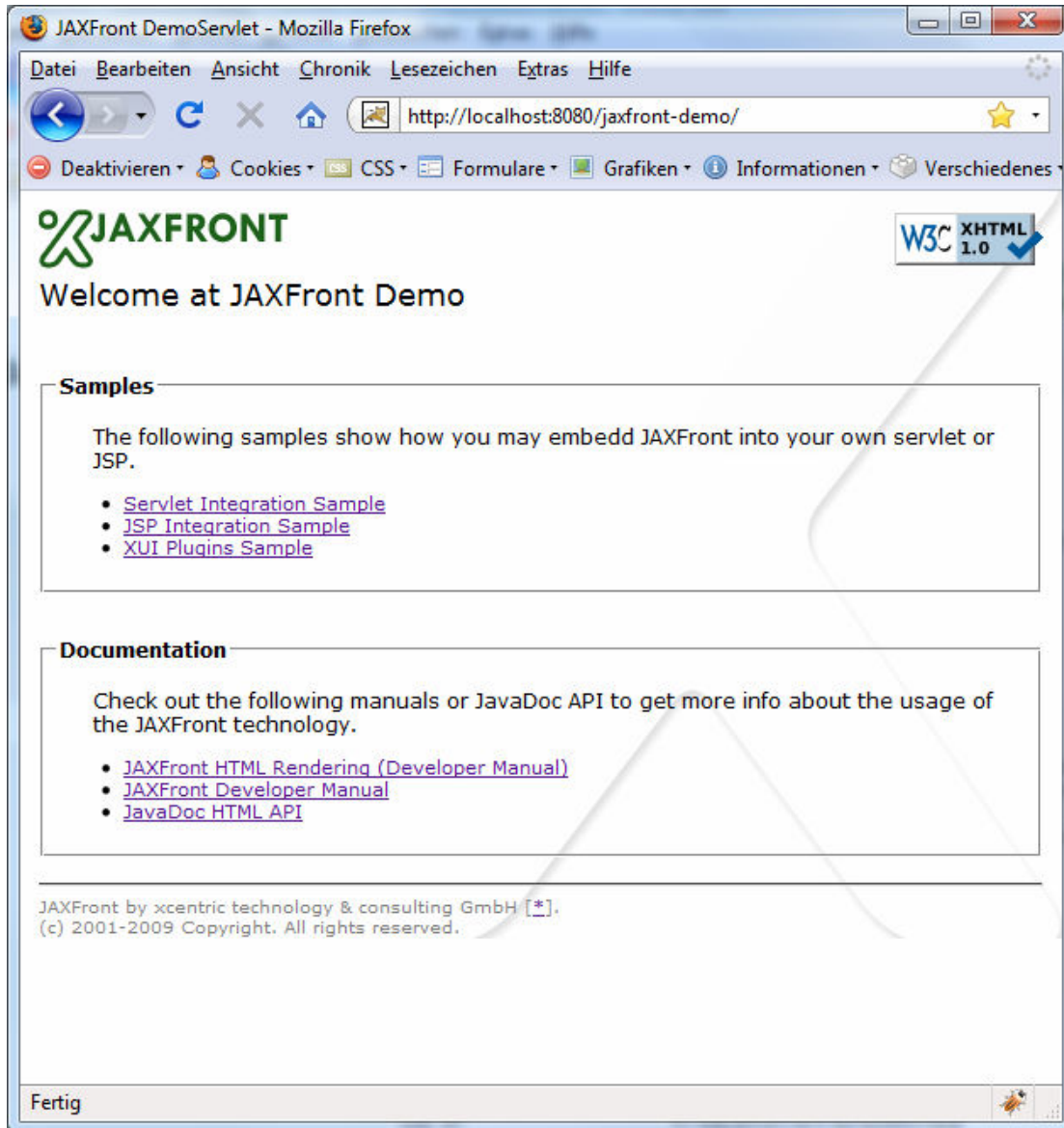
You should now see the following within your browser.



Click on the this link to jump start your JAXFront experience. Visualize any of your own XML Schema with the JAXFront HTML renderer.

If you have installed the JAXFront html demo (jaxfront-demo.war), navigate your browser to:
<http://localhost:8080/jaxfront-demo/>

You should now see the following within your browser.



3.4 Launch from XUI-Editor

If you have the XUI-Editor installed with the HTML extension, you should see a top level menu called 'HTML'. To test your web forms, do the following:

- 1) load any XSD (XML, XUI)
- 2) be sure your webserver is started (otherwise start your local tomcat server)
- 3) select 'Preview HTML' from menu 'HTML'

