XSA driven application

XSA Authoring tool Documentation

Version 1.0

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XSAAuthoringTool

# What is XSA-Driven Application?

An XSA driven application is an application that creates XML records. It build records complying to a certain XML schema, with a specific structure described in an XML Skeleton Annotations file (xsa.xml). It generates a UI that is suitable for populating such records and bindings between the UI and the XML. The structure of the XML skeleton is then described by an XML document that we call an XML Structure Annotations (XSA). XSA is designed so that it is independent from the UI technology stack. However, the current implementation provides only an IceFaces UI, within a Spring web container.

# Getting Started

* Environment Setup
* User Guide

## Environment Setup

1. [Production Environment](#_Production_Environment)
2. [Development Environment](#_Development_Environment)

## Production Environment

### Prerequisites

1. **Java Development Kit** (JDK 1.6.0)
2. **Apache Tomcat 7**.

### Downloads

* WAR File (see also: [How to deploy a WAR file on apache tomcat 7.0](http://tomcat.apache.org/tomcat-7.0-doc/deployer-howto.html" \l "Deployment_on_Tomcat_startup))
  + the WAR File can be find [here](http://www.google.com) **(link to be updated)**

## Development Environment

### Prerequisites

1. **Java Development Kit** (JDK 1.6.0)
2. **Eclipse.** (required for development purpose only)
3. **Apache Tomcat 7**.
   * Add an Apache Tomcat 7server to Eclipse from the Servers view, set its Runtime to the default runtime environment.
4. **Maven 2**

### Source Code

### Setting up the development environment for the WAMCP projects

1. Checkout the trunk at <http://svn.bibalex.org/XSAAuthoringTool/trunk/> (to be updated). This will check out several eclipse projects, so make sure to check them out as separate projects.
2. Download the source code of ***BibAlexCommonYA***
3. Go to the downloaded folder ***BibAlexCommonYA***.
4. Run: ***mvn dependency:resolve***
5. Run: ***mvn package***
6. Run: ***mvn install***
7. Download the source code of ***XSACore***
8. Go to the downloaded folder ***XSACore***.
9. Run: ***mvn dependency:resolve***
10. Run: ***mvn package***
11. Run: ***mvn install.***
12. Add the two projects ***BibAlexCommonYA***, and ***XSACore*** to the XSAAuthoringTool as dependencies.
13. Solve any errors by configuring any missing libraries or jars.
14. Add XSAAuthoringTool to tomcat server and start the server.

## User Guide

You can find it [here](XSAAuthoringTool_UserGuide.docx). **(link to be updated)**