This text records steps to create skeleton source code for application "ACMA" (AccountManagement) for Sakai (http://sakaiproject.org)

Step 1. Prepare tools

- Java: JDK 1.7 or later
- NetBean 8.1 or Eclipse 4.3
- Maven 3.3.1 (Install by execute command with root permission: yum install maven)

Step 2. Prepare to generate code for project

- 1. Create the folder for project. Ex: ~/ACMA/SourceCode
- 2. From terminal, change the current directory to folder of project. Then execute below command:

mvn archetype:generate -DarchetypeGroupId=org.sakaiproject.maven-archetype -DarchetypeArtifactId=sakai-spring-maven-archetype -DarchetypeVersion=1.2 -DarchetypeRepository=https://source.sakaiproject.org/maven2/

(Refer: https://confluence.sakaiproject.org/display/BOOT/Sakai+Spring+MVC+Maven+Archetype)

Fill data for questions:

groupld: mks

artifactId: acma

version: 0.1

package: m.k.s.sakaiapp

Step 3. Configure to compile and deploy the application to sakai 10.5

1.Modify "acma\pom.xml"

Line	Old source	To be updated
8	<name>sakai-spring-maven-</name>	<name>acma-spingmvc-sakai</name>
	archetype	
42~46	<dependency></dependency>	<dependency></dependency>
	<groupid>log4j</groupid>	<groupid>log4j</groupid>
	<artifactid>log4j</artifactid>	<artifactid>log4j</artifactid>
	<version>1.2.14</version>	<version>1.2.16</version>

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2.Modify "acma\tool\pom.xml"

Line	Old source	To be updated
15~18	<dependency></dependency>	<dependency></dependency>
	<pre><groupid>org.springframework</groupid> <artifactid>spring</artifactid></pre>	<pre><groupid>org.springframework</groupid> <artifactid>spring-core</artifactid></pre>
23~26	<pre><dependency> <groupid>org.springframework</groupid> <artifactid>spring-webmvc</artifactid> </dependency></pre>	<pre><dependency> <groupid>org.springframework</groupid> <artifactid>spring-webmvc</artifactid> <version>3.2.3.RELEASE</version> <scope>compile</scope> </dependency></pre>

You can get the source code at "https://github.com/software-handbook/qms/tree/master/Samples/SakaiApp/ACMA/SourceCode/acma"

Step 4. Compile and deploy to sakai

Change the current directory to the home of project. Then execute below command:

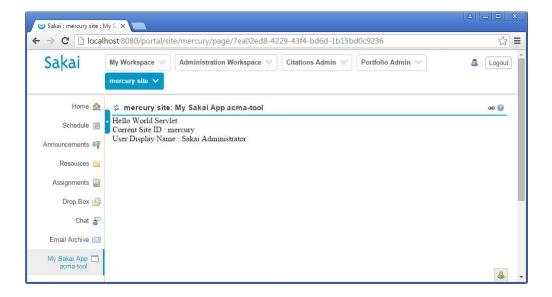
mvn -Dmaven.tomcat.home=<HOME OF SAKAI> install sakai:deploy

Ex:

mvn -Dmaven.tomcat.home=D:/jPackages/sakai-base-demo-10.5 clean install sakai:deploy

Step 5. Run sakai to view the tools

Now you can start the sakai, add tool "My Sakai App acma-tool" to a site by tool "Site info" to view the result as below:



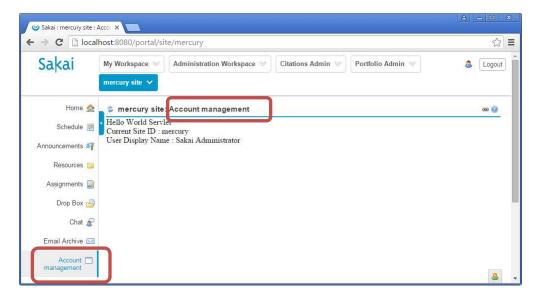
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Step 6: Change name of the application

Modify "acma\tool\src\main\webapp\tools\sakai.sakai-spring-maven-archetype.xml"

Then compile and deploy by the above step 4.

The title of application is changed as below:



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