



ATLANTA•2012

Using The Sakai Maven Archetypes to Get Started Creating Tools

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What is a Maven Archetype?

In short, Archetype is a Maven project templating toolkit.

The archetypes provide users with a way to get their Maven project setup quickly by providing a sample project that demonstrates many of the features of Maven.

The logo for Apache Maven, featuring the word "maven" in a bold, italicized sans-serif font. The letter "a" is colored orange, while the remaining letters "m", "v", "e", "n" are in black.

What Maven Archetypes are available for Sakai?

Sakai Wicket Maven Archetype

<https://confluence.sakaiproject.org/display/BOOT/Sakai+Wicket+Maven+Archetype>

Sakai Spring MVC Maven Archetype

<https://confluence.sakaiproject.org/display/BOOT/Sakai+Spring+MVC+Maven+Archetype>



Lets Create A Project!!



Step 1

Navigate to the location you would like to have your project create in.



Step 2

Just Use this Simple Command

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



Step 3

Build your project

```
mvn clean install sakai:deploy
```



Step 4

START TOMCAT!!!!



What is In this Project?

- A Basic Spring MVC Project
- The Sakai Project Maven Layout
- Examples of API's, Transfer Objects, Implementations, and components
- Examples of getting information about users, sessions, ect.



Whats Next?



Project Lombok

You will need to configure Eclipse to take advantage of the lombok annotations currently used in both the Spring and Wicket Maven Archetypes.

Download the jar from:

<http://projectlombok.org/download.html>

Install in Eclipse by running:

```
java -jar lombok.jar
```





Import Your Project Into Eclipse



Having Archetype Issues?

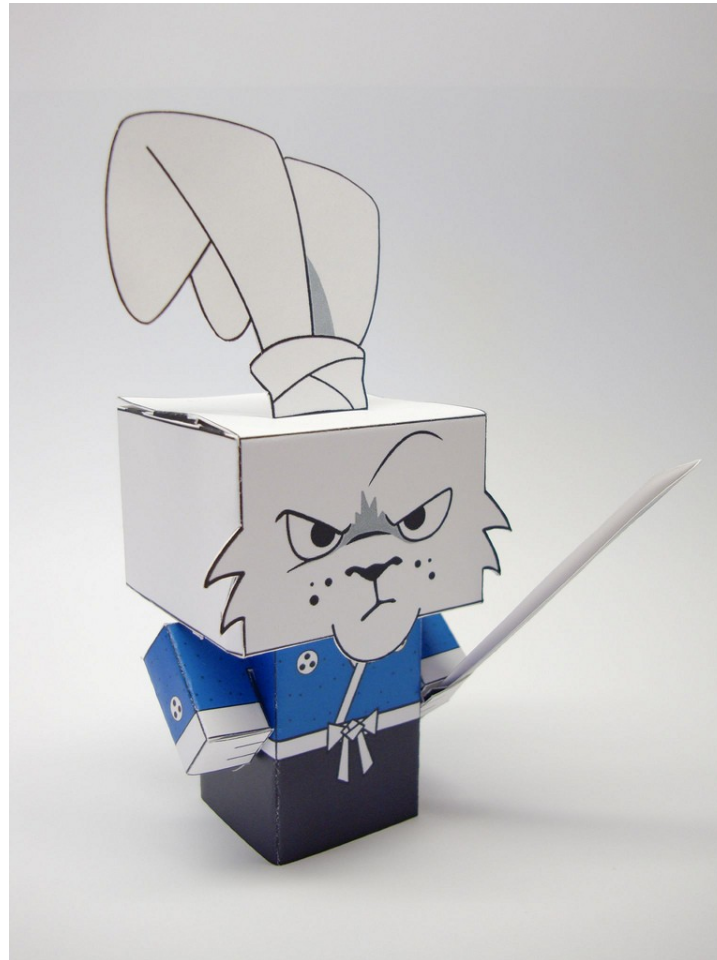


File a Jira

<https://jira.sakaiproject.org/browse/MARCH>



Now Off To Battle!!!





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Thanks!

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