Appendix I Deploying SOBA and MyNotes Straight from Maven to Tomcat 7

Building and installing a real application are two separate processes in general that you first create a build and then run an installer to deploy your application in a given environment, either for internal testing or production. However, in a dev environment, it might be more convenient to run a quick test on an embedded server or standalone server with just one click or one command. In this appendix, a procedure is given on how you can deploy SOBA and MyNotes straight from Maven to Tomcat 7 so that you don't have to manually copy and rename either of them as was described in previous appendices.

To include deploying SOBA or MyNotes on Tomcat 7 into the Maven building process directly, follow the steps below:

Step 1: Add the following <plugin> element within the <plugins> section of the `pom.xml` file (replace *soba* with *mn* for the MyNotes sample):

```
<plugin>
    <groupId>org.codehaus.mojo</groupId>
    <artifactId>tomcat-maven-plugin</artifactId>
    <version>2.0-beta-1</version>
    <configuration>
    <url>http://localhost:8080/manager/html</url>
    <server>myTomcat</server>
    <path>/soba</path>
    </configuration>
</plugin>
```

Step 2: Locate the Maven `settings.xml` file (in *C:\Users\<yourLoginID>\.m2* on Windows) and add the following element (assuming that you have followed the

instructions in the book to configure your tomcat with the following username and password):

```
<server>
 <id>myTomcat</id>
 <username>tomcat</username>
 <password>s3cret</password>
</server>
```

Step 3: Make sure you have your Tomcat non-secure HTTP/1.1 connector configured as follows in your Tomcat `server.xml` file (you need to un-comment this segment if it has not been):

```
<Connector port="8080" protocol="org.apache.coyote.http11.Http11Protocol"
       connectionTimeout="20000"
       redirectPort="8443" />
```

Step 4: Make sure your Tomcat server is running as you cannot perform deploy or redeploy operations if it is not running.

Step 5: cd to your project directory and execute the following commands to deploy or redeploy SOBA or MyNotes:

```
cmd> mvn -DskipTests tomcat:deploy
cmd> mvn -DskipTests tomcat:redeploy
```

Note that you might see errors on your Tomcat console after you redeploy multiple times. Whenever that happens, you need to manually stop your Tomcat server and start over.