

Exercises: Getting Started with JSF 2.0

1. Bookmark the following two URLs in your browser.
 - JSF 2 Docs page: <http://javaserverfaces.java.net/nonav/docs/2.1/>
 - Java 6 API: <http://docs.oracle.com/javase/6/docs/api/>
(or Java 7 API: <http://docs.oracle.com/javase/7/docs/api/>)
2. Deploy the jsf-blank project as described in the notes. Make sure you can run it in a browser with <http://localhost/jsf-blank/>.
3. Make a new Dynamic Web Project (File --> New --> Project --> Web --> Dynamic Web Project, or, if you have done it once before, File --> New --> Dynamic Web Project). Copy the pieces from jsf-blank as described in the notes (i.e., copy the JAR files from WEB-INF/lib, copy web.xml, copy faces-config.xml, and for testing purposes, copy index.jsp and the two .xhtml files). An easy way to copy all the pieces is to go to jsf-blank, R-click on WebContent, select Copy, go to your new project, R-click on the main project name, and select Paste (say OK to overwrite existing folders). Deploy and run the new project.
4. Make a new Eclipse project by copying the jsf-blank project. Here is the process:
 - R-click on jsf-blank and click Copy.
 - R-click in Project Explorer on left and click Paste.
 - Give the project a new name. For Tomcat and most other servers, leave the project exactly as is. But, if you use JBoss 6, Glassfish 3, or another Java EE 6 server, you should delete the JAR files from WEB-INF/lib because the classes defined in those JARs are already built into the server.Unfortunately, due to an Eclipse bug, you have to fix up the references to the old project name as shown in the notes. (Open Navigator with Window --> Show View --> Navigator)
 - Go to file system or Eclipse Navigator (not Project Explorer), edit `eclipseWorkspace/yourNewProject/.settings/org.eclipse.wst.common.component`
 - Change all instances of old project name to new one, then save file
 - R-click on project and choose Refresh, **then close Navigator window**Deploy the project and access <http://localhost/yourNewProject/> (which forwards to a .jsf page).
5. Take a look at WEB-INF/web.xml in jsf-blank. See if you can figure out the purpose of the various entries.
6. Make a copy of your project from #2 or #3. Change the JSF file extension from .jsf to .faces. Note that you do *not* rename the physical files (e.g., blah.xhtml is still blah.xhtml, but you will access it with blah.faces now instead of blah.jsf as before). Hint 1: we did *not* explain this in class, so you will be guessing based on what you discovered in #4 above. Hint 2: change index.jsp as well as web.xml.