**Toy Web Application Tutorial**

**Setup Eclipse to use JDK**

In order for the JSP pages to work in Google Plugins, we must set Eclipse to use JDK instead of JRE.

* Go to “Window” -> “Preferences” -> “Java” -> “Installed JREs”
* If you only see “jre6” or “jre7”, then click on “Add…” -> “Standard VM” -> “Next” -> “Directory…”, select the location of installed Java SDK on your system
* Make sure the new “jdk” is selected instead of “jre6” or “jre7”

**Install Google Plugins**

* Go to “Help” -> “Install New Software…” -> “Add…”
* In “Location”, type in <http://dl.google.com/eclipse/plugin/4.X>
  + 4.6 for Neon
  + 4.5 for Mars
  + 4.4 for Luna
  + 4.3 for Kepler
  + 4.2 for Juno
* Select EVERYTHING for installation
* Restart Eclipse when prompted

**Import the ToyWebApp project in Eclipse**

**Running the ToyWebApp**

* In Eclipse, right click on “ToyWebApp” -> “Run As…” -> “Web Application”
* You might get an error for “Unable to restore the previous TimeZone” when the ToyWebApp runs, this is a known bug of certain JDKs. If so, you need to modify ToyWebApp’s “Run Configuration”
  + Go to “Run”-> “Run Configurations…”, select “ToyWebApp”, go to the “Arguments” tab
  + Append “-Dappengine.user.timezone=UTC” to “VM arguments”
* You should see something like “The server is running at <http://localhost:8888/>” in the Console
* Open a browser window and go to <http://localhost:8888/> and you should see “Assignment 4 - Toy Web App”

**Remember to click on “Terminate” (the red square button) before you close Eclipse!**

Note: we are only using Google Plugins in Eclipse to simulate a web server. The Toy web application is not related to your assignment’s Eclipse project in any way.