

Week 5 Overview

Activities

1. Follow the instructions in [Web Development with Eclipse and Tomcat](https://calstatela.instructure.com/courses/80633/pages/web-development-with-eclipse-and-tomcat) (<https://calstatela.instructure.com/courses/80633/pages/web-development-with-eclipse-and-tomcat>) to set up your Java web development environment. Please pay special attention to the highlighted parts.
2. Watch the lecture video: Introduction to Java Servlets. You can find the lectures notes used in the video in the Lecture Notes section and the sample code in the Sample Code section.
3. Read [Changes in Newer Versions of Eclipse](https://calstatela.instructure.com/courses/80633/pages/changes-in-newer-versions-of-eclipse) (<https://calstatela.instructure.com/courses/80633/pages/changes-in-newer-versions-of-eclipse>).
4. Post your questions and comments in the weekly discussion.
5. Complete Week 5 Quiz by Sunday 9/26.
6. Complete and submit Week 5 Lab by Sunday 9/26.

Learning Objectives

The learning objectives of this week are:

- Know how to set up a Java web application development environment using Eclipse and Tomcat.
- Know how to create and run a servlet using Eclipse's Dynamic Web Project.
- Know how to generate an HTML page using a servlet.
- Know how to use `@WebServlet` for servlet mapping.
- Understand the directory structure of a Java web application both in development (using Eclipse's Dynamic Web Project) and in deployment.
- Know how to deploy a Java web application on the CS3 server.
- Understand the concept of Application Scope and the API to access it.
- Understand the lifecycle methods of servlet.