SWEN301 Tutorial - Servlets

Objective

Get familiar with JEE web applications, and how to set up project structure and build scripts.

Instructions

Create a simple Java web application using a servlet.

In this project, create a package **nz.ac.wgtn.swen301.tuts.jee101**. In this package, create a servlet **UserAgentDetectorServlet** and map this (using web.xml to bind the servlet to the URL **/whatsyourbrowser)**. This servlet should generate a web site that only prints a single sentence:

the browser you are using is <agent>

but replace <agent> by one of the following: Firefox, MSIE, Chrome, Safari, Opera or other. Note that 100% precision is not required, but do experiment with the different browsers installed on your platform. You will find that an accurate mapping is more complex than expected.

Once you have created the project, test it with **mvn jetty:run** and then point your browser to **localhost:8080/webapp/whatsyourbrowser** . Test this with different browsers. You can also install a jetty plugin in your IDE to test the project.

Hints

1. Have a look at https://github.com/jensdietrich/se-teaching/tree/main/servlets for project structure and build file (pom.xml) for the server part.

What to try next (not part of the tutorial)

Install the Apache Tomcat server, export the web application (war file) with Maven and deploy it on the server.