

Lab 6a – JSP – No Scriptlets

In this lab you learn to use JSP Expression Language and Actions.

Preparation

In order to use JSP Actions, add the jar-file `jstl-1.2.jar` to the libraries of the project.

Assignment 1: Refactor the StudentInformationSystem

Open your solution of labo 5, opdracht 1.

1. Add the following to `web.xml`
 - Add a welcome file list to ensure that browser goes by default to the Servlet (no parameters in querystring, no backslash “\” before file name).
NullPointerException? What happens in your code when
`request.parameter(“command”)==null`?

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://java.sun.com/xml/ns/javaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
    http://java.sun.com/xml/ns/javaee/web-app_4_0.xsd"
  version="4.0">
  <welcome-file-list>
    <welcome-file>Servlet</welcome-file>
  </welcome-file-list>
</web-app>
```

- Disable scriptlets cfr slide 16.
2. (slide 16-17) Try to run your project. Because of invalidation of scriptlets in `web.xml`, your project is not running any more. Replace all scriptlets by Expression Language and JSTL. Solve all problems.
3. (slide 27-30) Create the file `header.jsp`. Transfer the code of your header element in e.g. `index.jsp` to this new file.
 - Include `header.jsp` in all jsp-files of your project.
 - Use `<jsp:param>` in order to highlight the current menu-item. Add some CSS if necessary.