EE6052/ED5022/CE4208/EE4023 Programming Project I

This project is an individual project – each student has to submit his/her own solution.

Your task is to write an OWASP Top 10 (2010 version) information application using servlets and JSP pages. You have to provide the following features:

- Use NetBeans 7.x IDE, Java SE 6 (or higher) and Java EE 6.
- Use your ID number as name for the NetBeans project.
- The initial welcome page allows the user to enter (or select) one of the OWASP Top 10 elements. Use Cookies to remember the most recent selection, i.e. if a user selects/enters "Injection Flaws" and returns to the initial welcome page, "Injection Flaw" should be the default selection/entered text. Note: a collection of simple links (<a href="…">) is not sufficient – either use an text input field or drop down selection list.
- For each OWASP Top 10 element you have to use a separate servlet/JSP page – you have to find a way to map from the selection to the individual pages (Hint: forwarding mechanisms can be of great help).
- For each OWASP Top 10 element provide:
  - A general description of the problem.
  - Outline typical impact of attacks exploiting that weakness.
  - Describe (in outline form) a typical attack scenario.
  - Outline how the weakness can be avoided.
  - Provide one (or multiple) link(s) to external resources for further information.
  - Feel free to use either a single servlet/JSP page for all information or use multiple servlets/JSP pages.
- Use at least one servlet that serves HTTP GET request (i.e. implements the doGet method)
- Use at least one servlet that serves HTTP POST request (i.e. implements the doPost method).
- Use at least one JSP page.
- All your JSP pages must utilize an error JSP page (or multiple error pages) – of course the error page itself does not need to link to another error page. Also, you must provide a link to a JSP page that causes an error.
- Use at least one method that is declared in a JSP declaration element (<%!   %>).
- Use at least one JSP expression element (<%=   %>)
- Provide information on your initial welcome page where (in which file) the last 6 elements can be found (GET servlet, POST servlet, JSP page, JSP error page (including where I can find the link to cause an error), JSP declaration element, JSP expression element).
- Don't' forget to properly format and comment your code !!! Hint: NetBeans provides an auto-format option in the Source menu (on Windows: Alt + Shift + F).
- For any questions/queries, use the Questions & Answers Forum on the module's SULIS Page.

Deadline and Marking:

Deadline for submission is **Monday, 10.03.2014**. This project contributes 10% to the module's mark. All solutions to be submitted via the module's SULIS page as a single archive (zip or rar). Please submit your **entire** Netbeans project folder !!!!