Homework 2: Make a Simple Servlet

For this homework, you will build upon your Homework 1 work by creating a simple servlet, and gain more practice using Subversion (svn).

As before, you will do this homework as a team; however, each member of your team will be responsible for the completion of a particular task.

Step 1. Create a servlet

Your main task is to create a servlet that corresponds to the HTML form you created in Homework 1. Here is the list of tasks:

- Task 1
    - Form: players/updateForm.html
    - Servlet: PlayersUpdateServlet
        - URL Pattern: /players/update.do
- Task 2
    - Form: players/deleteForm.html
    - Servlet: PlayersDeleteServlet
        - URL Pattern: /players/delete.do
- Task 3
    - Form: teams/updateForm.html
    - Servlet: TeamsUpdateServlet
        - URL Pattern: /teams/update.do
- Task 4
    - Form: teams/deleteForm.html
    - Servlet: TeamsDeleteServlet
        - URL Pattern: /teams/delete.do
- Task 5
    - Form: teams/addPlayerForm.html
    - Servlet: TeamsAddPlayerServlet
        - URL Pattern: /teams/addPlayer.do

Each team member must do one of the above tasks. All team members must do a different task. If your team has only four members, then ignore Task 5.

Recall that URL patterns are set with the Java tag **WebServlet**. For example:

```
@WebServlet("/foo.do")
public class FooServlet …
```

Your servlet must respond to HTTP POST requests with a proper HTML5 web page that prints out each of the *names* that your form submitted along with the user-entered *values* that correspond to that name. Hardcode the names that you're interested in into your servlet. (Do *not* make a general-purpose servlet that prints all name/value pairs associated with the request no matter what the names are.) Although I'm leaving the style of this page up to you, make it neat and easy to read. Also, provide a link at the end of the servlet-generated web page that takes you back to the index page (similar to the footer on your Homework 1 pages).

Step 2. Submit (by tagging) your team's submission

Attention! Before performing this step, you must make sure that all team members have committed their edits to the **trunk** in the repository.

Only one team member (the leader) performs the following.

First, you must fill out the **README.txt** file in your project's **trunk**. The file should list which team member performed each task (one team member per task; use their login IDs).

To submit work in this course, you must tag it. Then, I will checkout the revision that you tagged and grade it. By tagging, you tell me that you are done, and this is the version you want me to grade.

The tag you must use for this homework is **hw2** (case sensitive, no spaces).

To tag the current revision of your trunk as **hw2**, do as follows:

1. Go to the **SVN Repository Exploring** perspective in Eclipse.
2. In the **SVN Repositories** view, find the **trunk** folder that you want to tag.
3. Right-click on the **trunk** folder, and click **Show History**. This should open the **History** view with a table listing the past commits to the **trunk**.
4. In the History table, right-click the newest revision (i.e., the one with the greatest revision number), and click **Tag from…** This should open a **Create Tag** dialog.
5. Enter **hw2** into the **Tag** field and optionally enter a log comment, then click **OK**. This should create the tag!

To verify that tagging was successful, open your team's repository URL in a web brower, and inspect what's in the repository.