HW2 is due by 11:59pm on Wed, Feb 8

New Attempt

Due 8 Feb by 23:59   **Points** 100   **Submitting** a file upload

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Part 1. Reading Assignment (Chapter 48)

https://docs.oracle.com/javaee/7/JEETT.pdf ▭ (https://docs.oracle.com/javaee/7/JEETT.pdf)

Part 2. Reading Assignment (Declarative Web Application Security)

http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-07.pdf [Site was down - if still down, use the next link] ▭ (http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-07.pdf)
https://learning.oreilly.com/library/view/more-servlets-and/0130676144/0130676144_ch07.html ▭ (https://learning.oreilly.com/library/view/more-servlets-and/0130676144/0130676144_ch07.html)

Part 3. Reading Assignment (Controlling Web Application Behavior with web.xml)

https://learning.oreilly.com/library/view/more-servlets-and/0130676144/0130676144_ch05.html#ch05 ▭ (https://learning.oreilly.com/library/view/more-servlets-and/0130676144/0130676144_ch05.html#ch05)

Part 4. Programming Assignment
Read the attached CSV file (**parking_facilities.csv (https://northeastern.instructure.com/courses/137876/files/19783755?wrap=1)** ⤓ **(https://northeastern.instructure.com/courses/137876/files/19783755/download?download_frd=1)**) using CsvJdbc Driver - **http://csvjdbc.sourceforge.net (Links to an external site.) ▭ (http://csvjdbc.sourceforge.net)**

Web Application's welcome page initially displays a FORM in a HTML page having a textbox for the user to enter the name of the CSV file. This form will be submitted to a Servlet (you could use either annotations or XML mapping) that will read the name of the file, and connect to the CSV file using CsvJdbc. Once the connection is established, the servlet will get the data from the CSV file, print the data on the browser (you may use an HTML table if you want). When creating a URL-pattern use the extension .xls for the servlet.

Part 5. Programming Assignment
Read the attached Excel File (**store.xls (https://northeastern.instructure.com/courses/137876/files/19783765?wrap=1)** ⤓ **(https://northeastern.instructure.com/courses/137876/files/19783765/download?download_frd=1)**) using Apache POI - **http://poi.apache.org/ (Links to an external site.) ▭ (http://poi.apache.org/)**

Create an Annotated Servlet that will read the excel file, and print the contents of the excel file to user's browser. You may use an HTML table to display the data.

Create .xls URL pattern for the Servlet page using Annotations.

Once done, add Declarative Web Application Security [described in part 2.2].

Part 6. Programming Assignment

Redo HW1-Part 4

Map the Servlet using Annotations (Netbeans does this automatically)

Add Declarative Security.

https://docs.oracle.com/javaee/7/api/javax/servlet/ServletRequest.html#getParameterNames-- (Links to an external site.) ⤷ **(https://docs.oracle.com/javaee/7/api/javax/servlet/ServletRequest.html#getParameterNames--)**

Part 7. Programming Assignment

You will be using a session object to store and retrieve selected items from a simple shopping cart application. Shopping

cart applications typically allow users to select items from a catalog and place them in a virtual shopping cart. When the user selects some items and presses the Add to Cart" button, the servlet will add the selected items to the session object and then retrieve all of the items currently in the session object and then display them in the browser. Removing an item from the shopping cart will be from the same servlet.

Use URL-rewriting or hidden fields as necessary to use the same servlet for adding and removing items. [Refer to the screenshots attached]. Add Programmatic Security [https://web.archive.org/web/20200206032018/http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-08.pdf]

hw2_part7_screenshots.pdf (https://northeastern.instructure.com/courses/137876/files/19783782?wrap=1) ↓ **(https://northeastern.instructure.com/courses/137876/files/19783782/download?download_frd=1)**