Part 1 - Reading Assignment (Programmatic Security)

https://www.safaribooksonline.com/library/view/core-servlets-and/0131482602/ch04.html
http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-08.pdf

Part 2 - Reading Assignment (More Servlets and JSP)

Chapter 7. Tag Libraries: The Basics
https://www.safaribooksonline.com/library/view/core-servlets-and/0131482602/ch07.html
Chapter 8. Tag Libraries: Advanced Features
https://www.safaribooksonline.com/library/view/core-servlets-and/0131482602/ch08.html

If the whole chapter is not visible, just open a browser in incognito or private mode, and enter your neu email (try your_user_name@northeastern.edu or your_user_name@neu.edu if your husky email does not work)

Part 3. Reading Assignment (JDBC) - Attached

JDBC provides a standard library for accessing relational databases. By using the JDBC API, you can access a wide variety of SQL databases with exactly the same Java syntax. It is important to note that although the JDBC API standardizes the approach for connecting to databases, the syntax for sending queries and committing transactions, and the data structure representing the result, JDBC does not attempt to standardize the SQL syntax. So, you can use any SQL extensions your database vendor supports. However, since most queries follow standard SQL syntax, using JDBC lets you change database hosts, ports, and even database vendors with minimal changes to your code.

Part 4. Programming Assignment

Create an MVC application to browse movies and add new movies to the DB. (You may change/improve/simplify the views). For those of you who don't know how to create a database, we could create one on the server, and send you the Connection information. [Refer to the screenshots below]

Part 5. Programming Assignment

Create an MVC application and use PreparedStatement to enter the books to the database. [Refer to the screenshots below]

Part 6. Programming Assignment

Create an MVC application. 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 below].

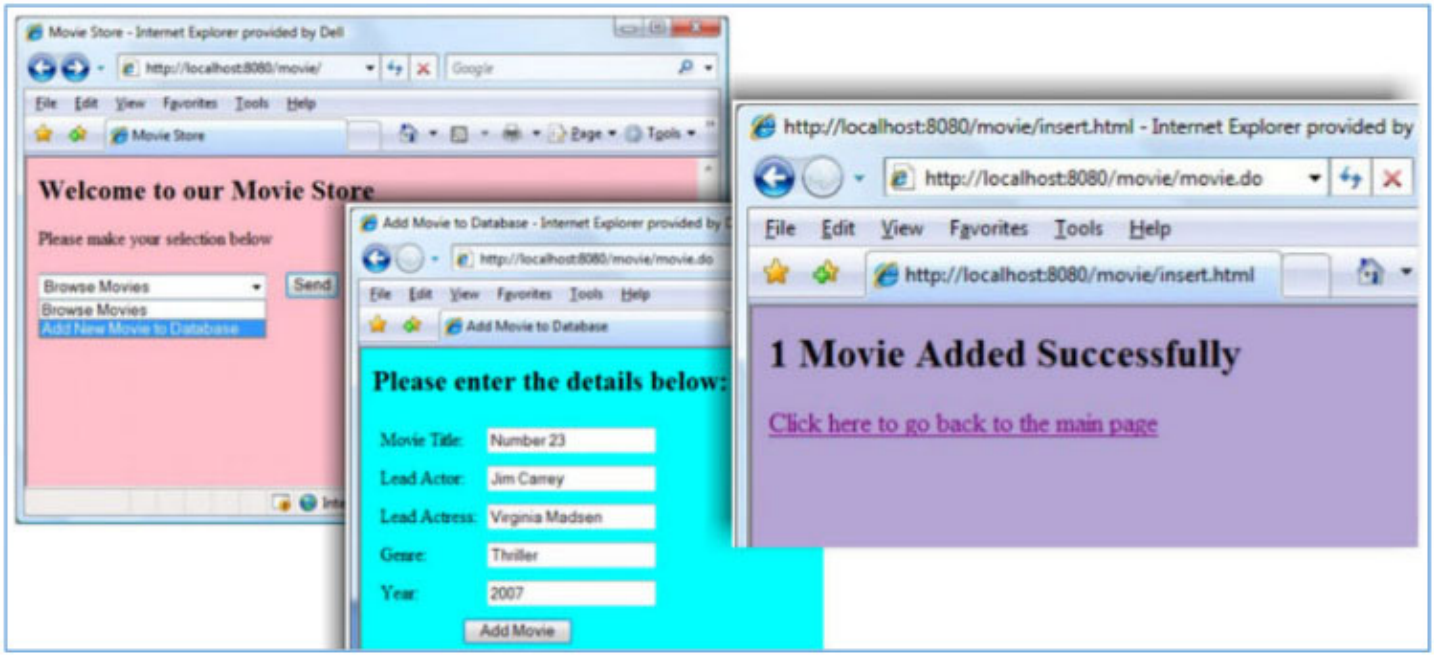
Part 7. Programming Assignment

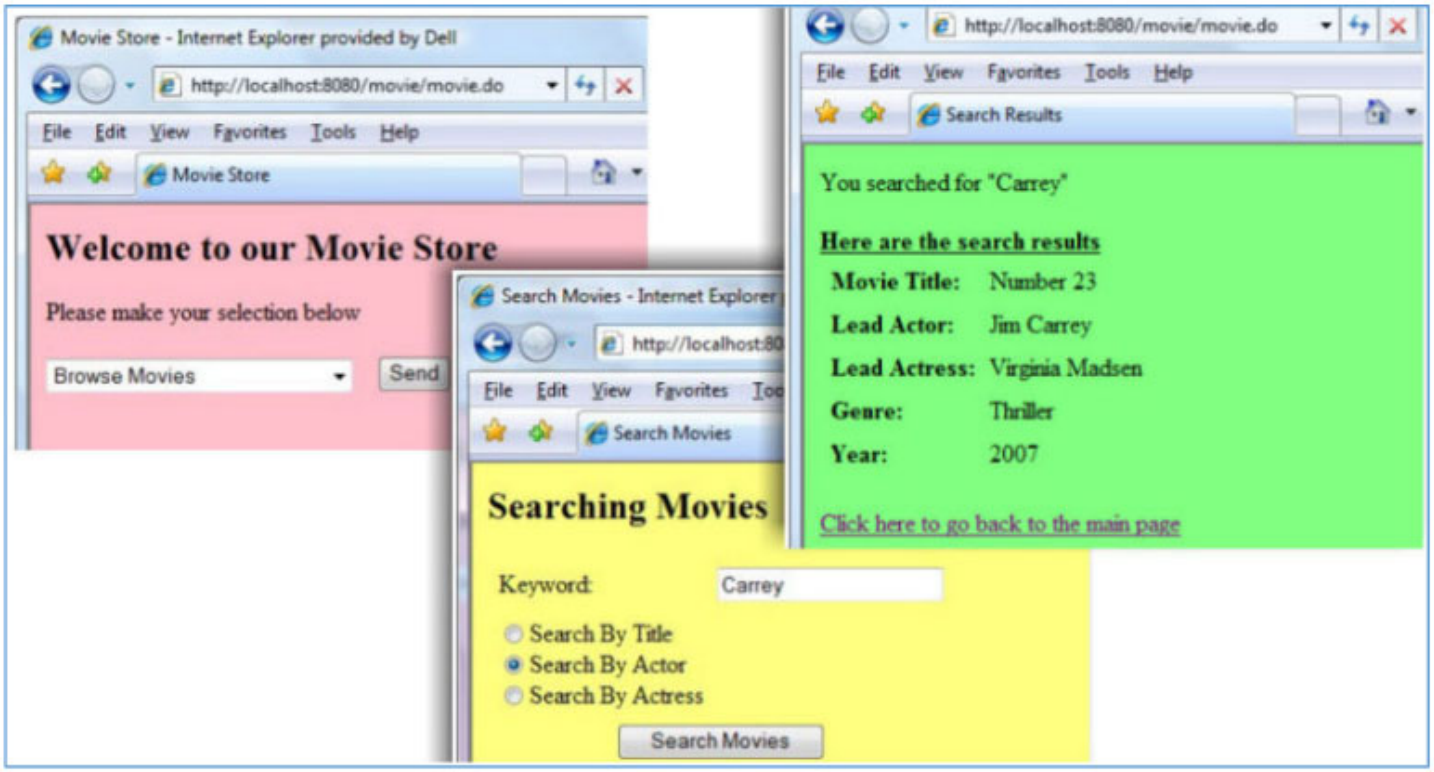
Redo HW2-Part4 by utilizing a CustomTag in the JSP page to display the data retrieved from CSV. The name of the CSV file is to be passed to CustomTagHandler class either as an attribute or body content (you decide which one to use). In the doTag method, you simply read the name of the CSV file using CsvJdbc, and retrieve all the data and display on the JSP page. You may create the tabular format in the doTag method

SCREENSHOTS FOR PART 4

Database Name: moviedb
Table Name: movies

Field Name	Data Type
title	varchar(80)
actor	varchar(30)
actress	varchar(30)
genre	varchar(20)
year	integer





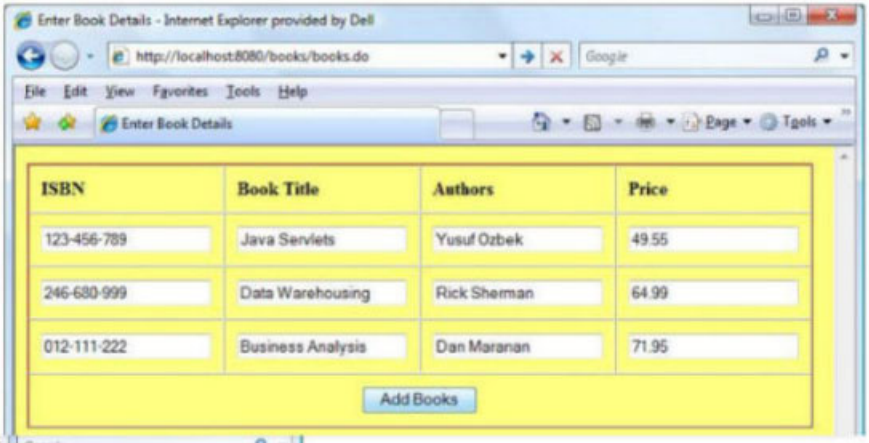
SCREENSHOTS FOR PART 5

Database Name: booksdb
Table Name: books

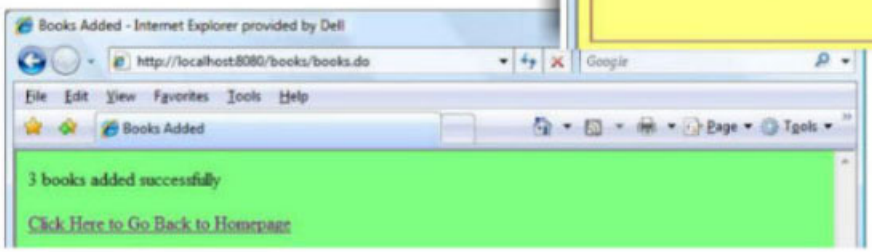
FieldName	DataType
isbn	varchar(12)
title	varchar(60)
authors	varchar(60)
price	float

1. **Ask the user to enter number of books to be added to the booksdb**

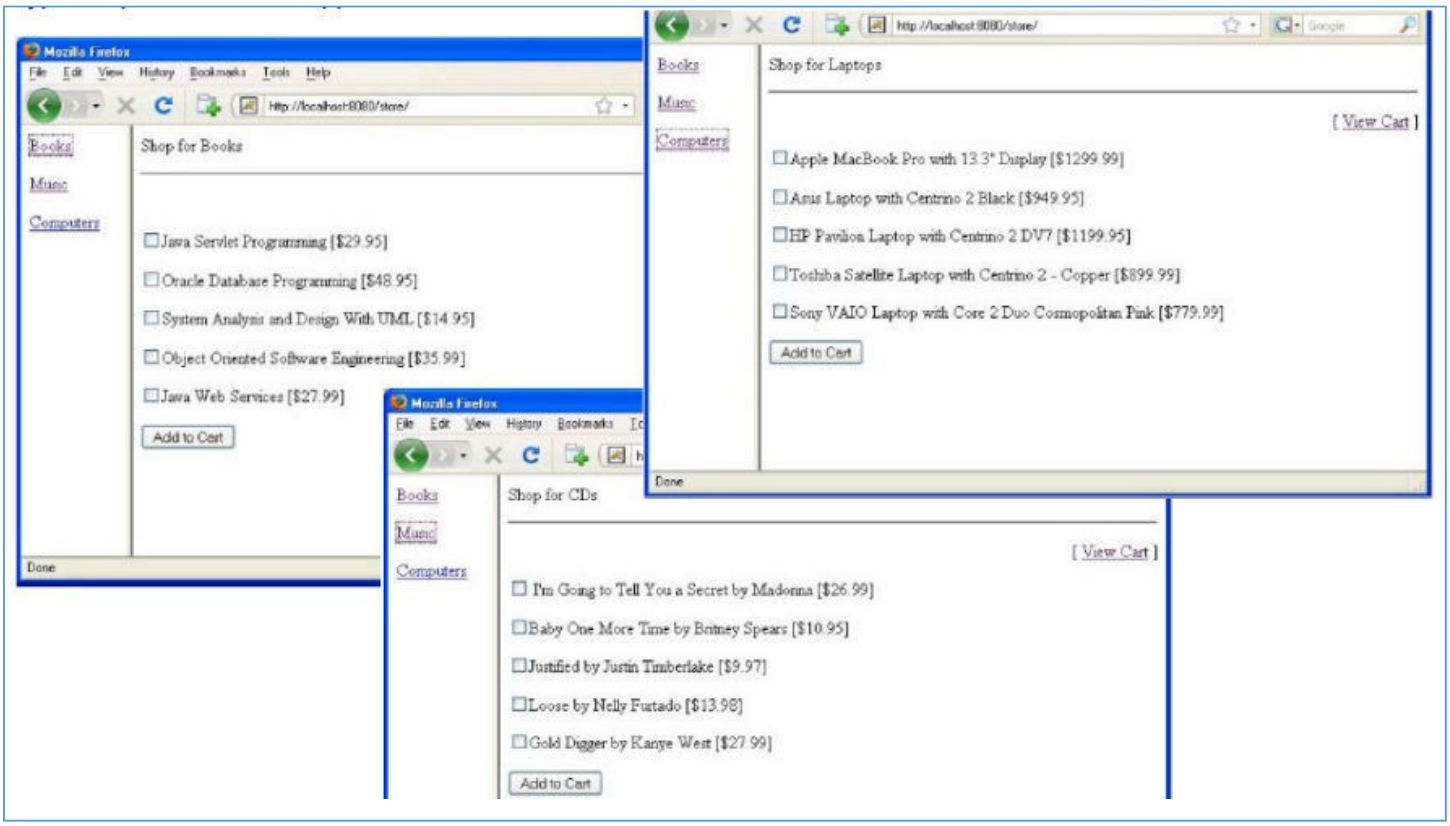
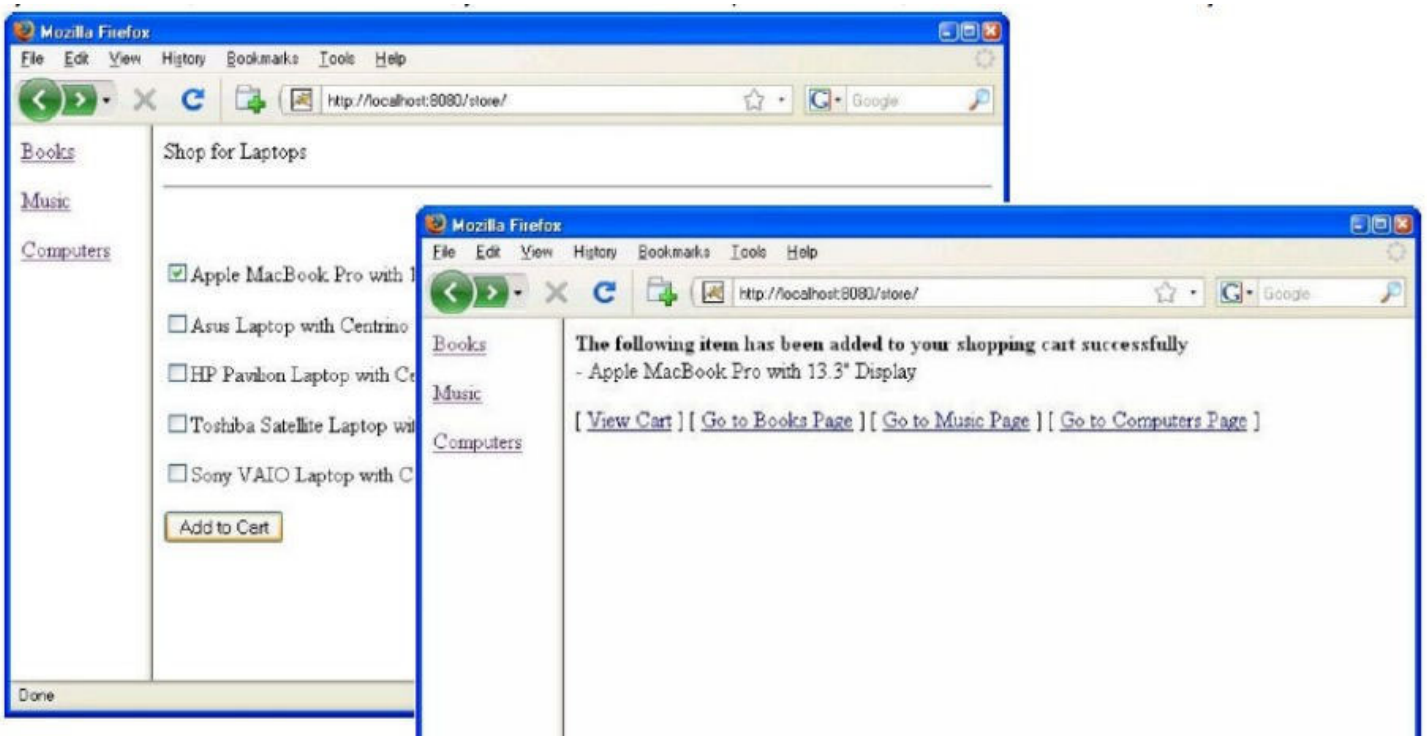
2. **Based on the number user entered in step 1, create the following form to allow multiple entries.**



3. Now, insert the books to the booksdb using **PreparedStatement**



SCREENSHOTS FOR PART 6



If you select an item, then click on "Add to Cart", your servlet will retrieve the products selected, and then add to the session object.