

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 new 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 (MVC - Servlet and JSP)

Read the attached CSV file using CsvJdbc Driver - <http://csvjdbc.sourceforge.net>

JSP page initially displays a FORM having a textbox for the user to enter the name of the CSV file. This form will be submitted to a Servlet that will read the name of the file, and connect to the CSV file using CsvJdbc. Once the connection is established, the controller will get the data from the CSV file, and pass the data with the request scope via RequestDispatcher and then the View page will print the data on the browser (you may use an HTML table if you want). When creating a URL-pattern use the extension .xls

Part 5. Programming Assignment (MVC – Servlet and JSP)

Read the attached Excel File using Apache POI - <http://poi.apache.org/>

Create a servlet that will read the excel file, and print the contents of the excel file to user's browser. When creating a URL-pattern use the extension .xls. Once done, add Programmatic Security.

Part 6. 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 on the next page]

Part 7. Programming Assignment

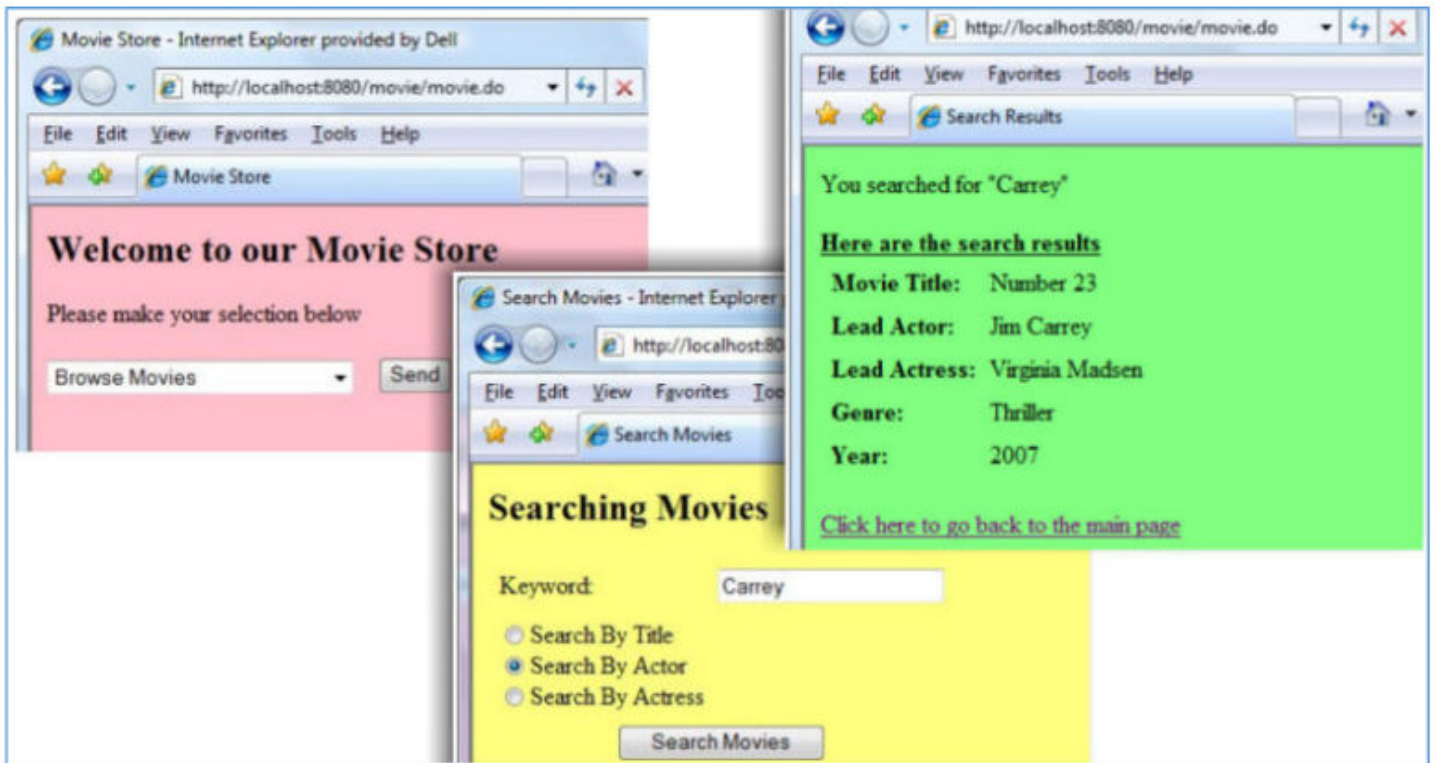
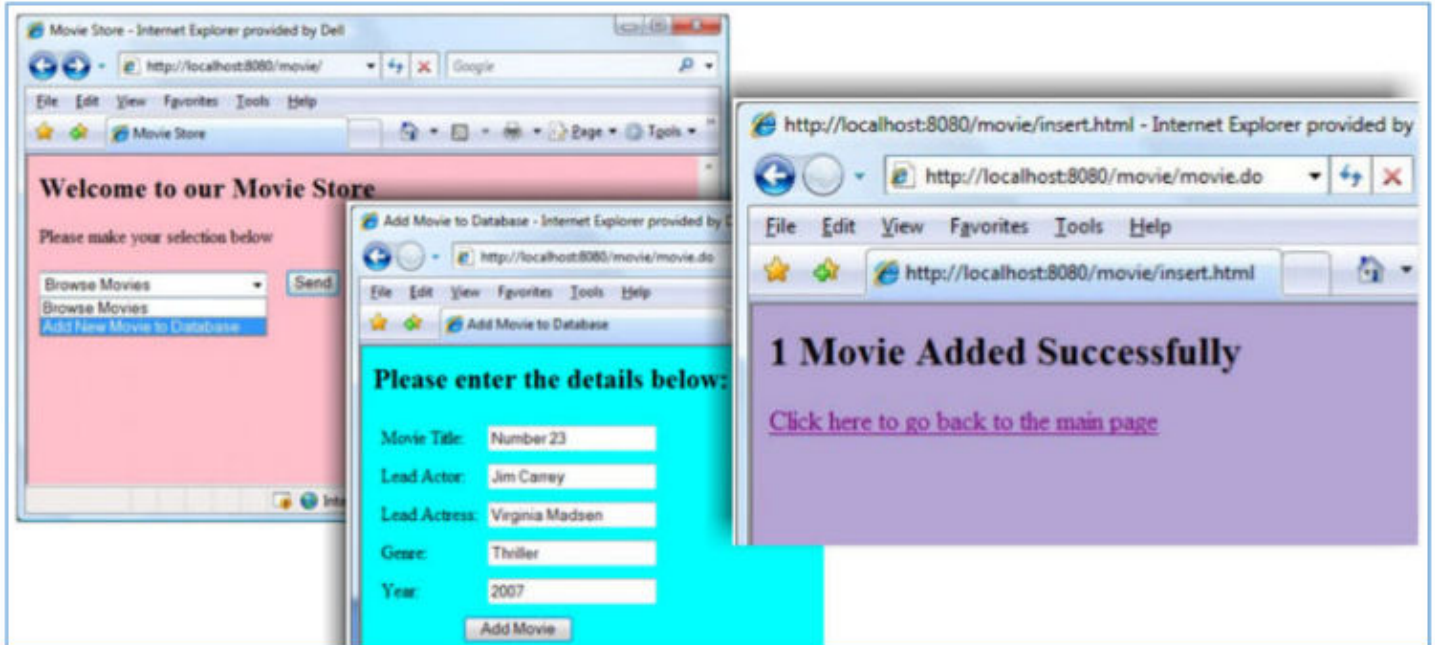
Create an MVC application and use PreparedStatement to enter the books to the database whose details shown on the next page.

Part 8. Programming Assignment

Redo 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.

Database Name: moviedb
Table Name: movies

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

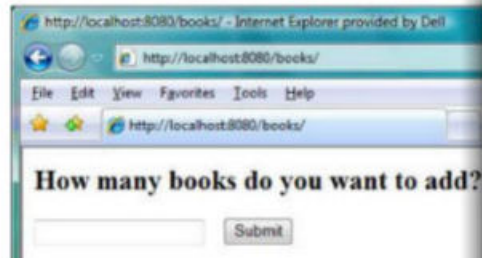


SCREENSHOTS FOR PART 7

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



http://localhost:8080/books/ - Internet Explorer provided by Dell

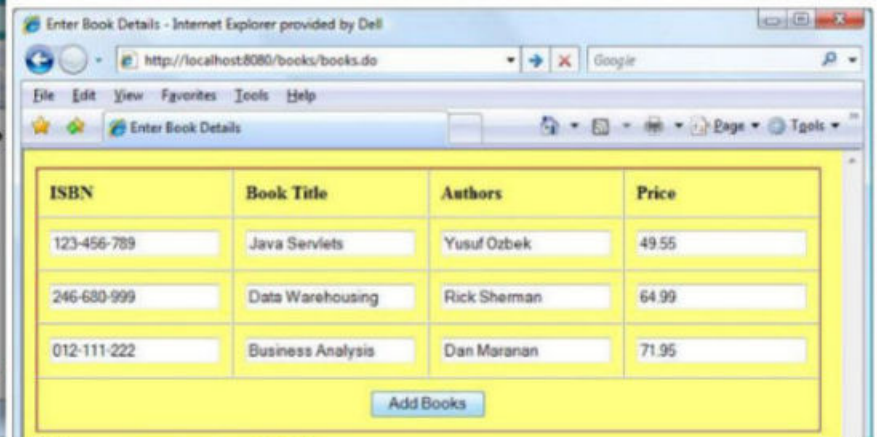
http://localhost:8080/books/

File Edit View Favorites Tools Help

http://localhost:8080/books/

How many books do you want to add?

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



Enter Book Details - Internet Explorer provided by Dell

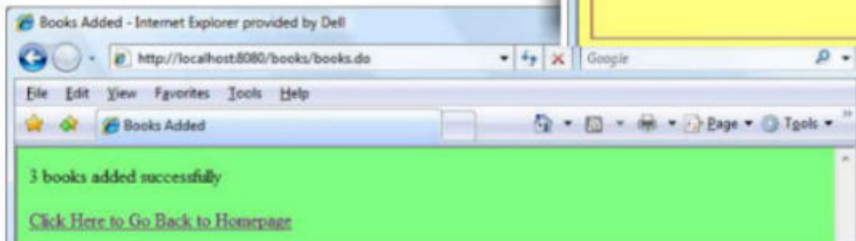
http://localhost:8080/books/books.do

File Edit View Favorites Tools Help

Enter Book Details

ISBN	Book Title	Authors	Price
<input type="text" value="123-456-789"/>	<input type="text" value="Java Servlets"/>	<input type="text" value="Yusuf Ozbek"/>	<input type="text" value="49.55"/>
<input type="text" value="246-680-999"/>	<input type="text" value="Data Warehousing"/>	<input type="text" value="Rick Sherman"/>	<input type="text" value="64.99"/>
<input type="text" value="012-111-222"/>	<input type="text" value="Business Analysis"/>	<input type="text" value="Dan Maranan"/>	<input type="text" value="71.95"/>

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



Books Added - Internet Explorer provided by Dell

http://localhost:8080/books/books.do

File Edit View Favorites Tools Help

Books Added

3 books added successfully

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