HW2 – Due by 11:59pm on Monday, February 4, 2019

Part 1. Do HW1 – Part 7. Programming Assignment

Part 2. Reading Assignment (ignore the deployment details explained for other Servlet Containers)
http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-04.pdf
http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-05.pdf

Part 3. Reading Assignment (Inside Servlets)
https://www.safaribooksonline.com/library/view/java-for-the/073571195X/ch02.html

Part 4. 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 5. Programming Assignment
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 a servlet 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, and print on the browser (you may use an HTML table if you want).
When creating a URL-pattern use the extension .xls

Part 6. Programming Assignment
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

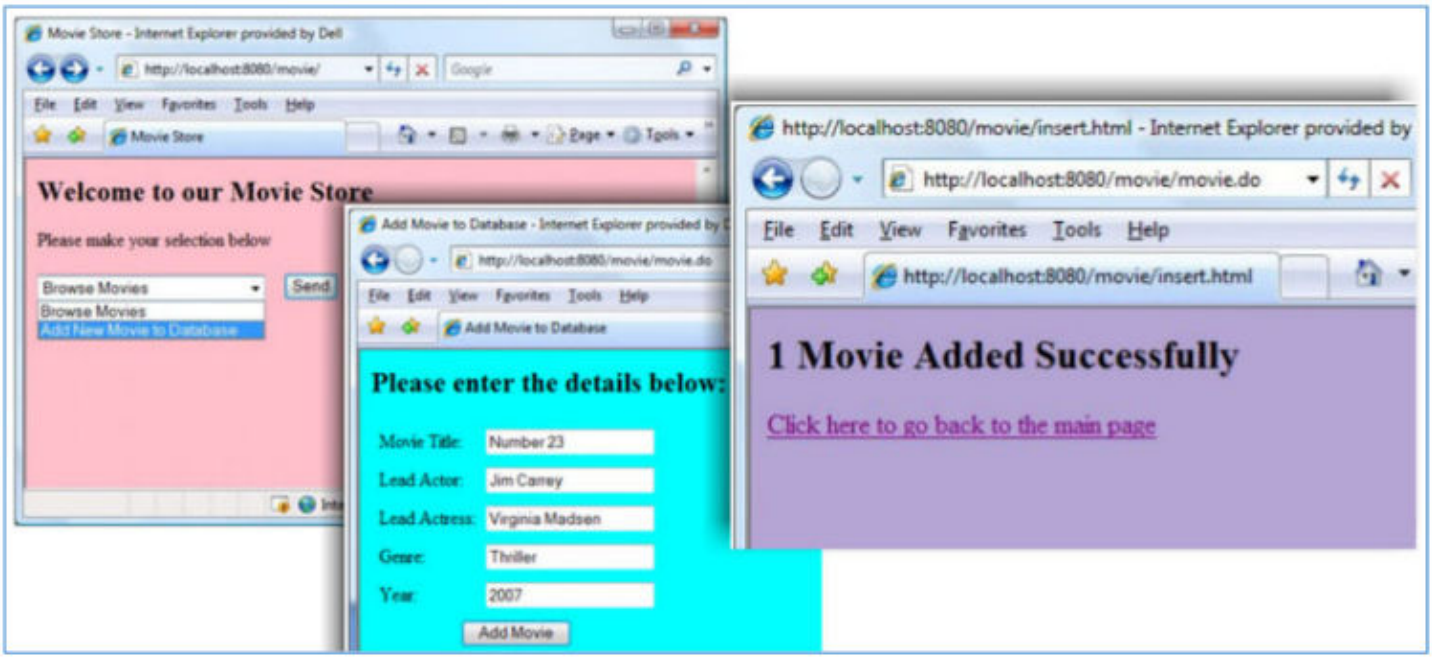
Part 7. Programming Assignment
Create an application to browse movies and add new movies to the DB. (You can change/improve the views).
For those of you who don't know how to create a database, we could create one on the server, and send you the Connection information. [Refer to the screenshots on the next page]

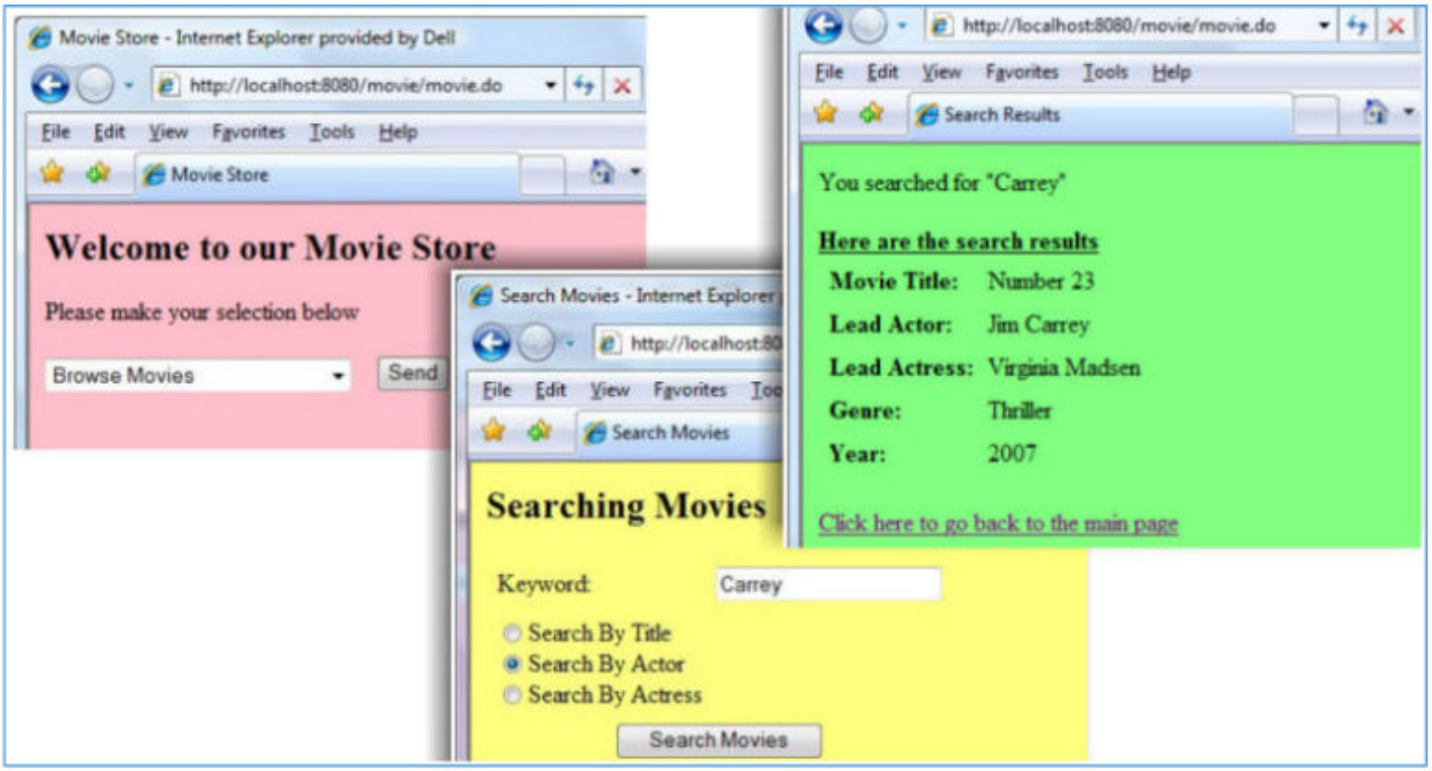
Part 8. Programming Assignment
Create an application using PreparedStatement to enter the books to the database whose details shown on the next page.

SCREENSHOTS FOR PART 7

Database Name: moviedb
Table Name: movies

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





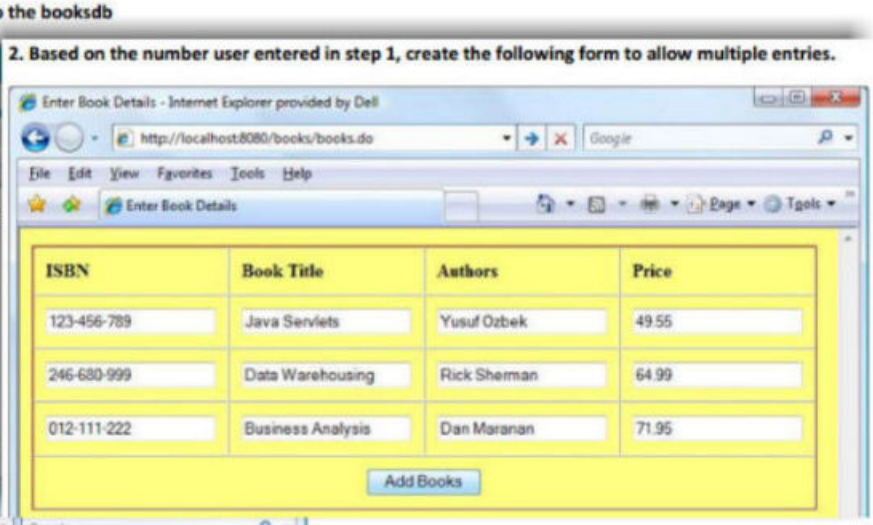
SCREENSHOTS FOR PART 8

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