

**NOTE: DO NOT USE SCRIPTLEPTS IN JSP PAGES. USE JSTL AND EL.**

**Use Filter to prevent XSSi. Use String methods or RegExp to remove all suspicious strings from request parameter**

### Part 1. Expression Language (Reading Assignment)

JSP 2.0 introduced a shorthand language for evaluating and outputting the values of Java objects that are stored in standard locations. This expression language (EL) is one of the two most important new features of JSP 2.0; the other is the ability to define custom tags with JSP syntax.

### Part 2. JDBC (Reading Assignment)

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 3. Servlet and JSP Filters (Reading Assignment)

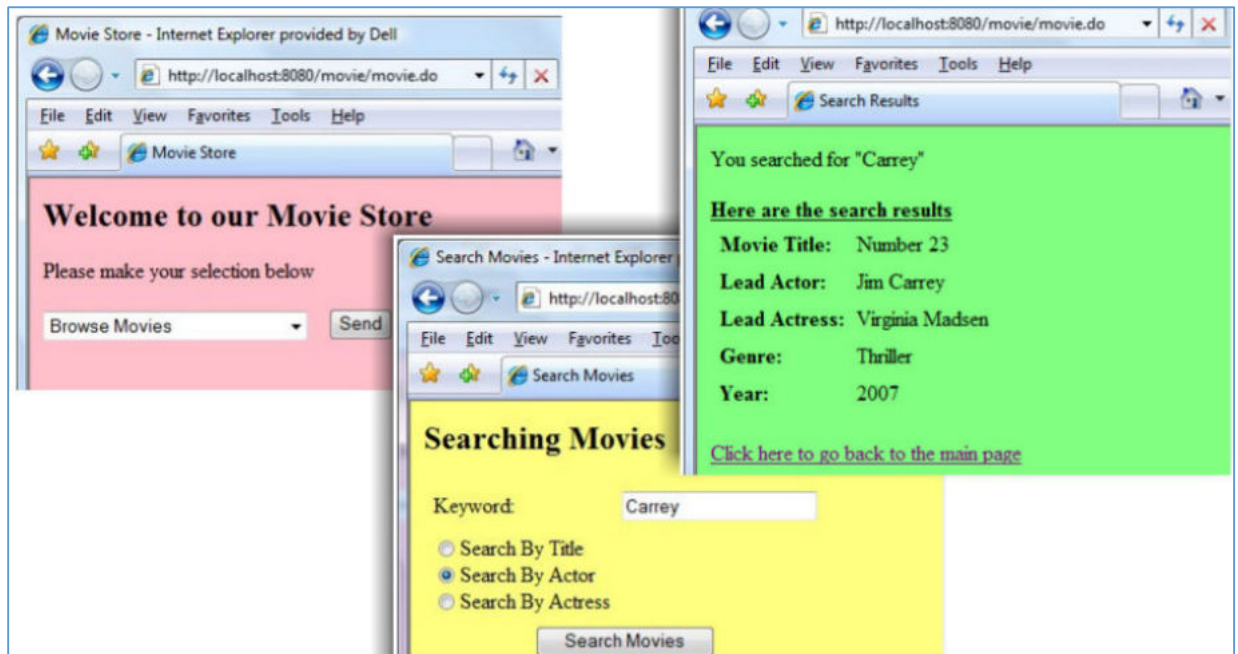
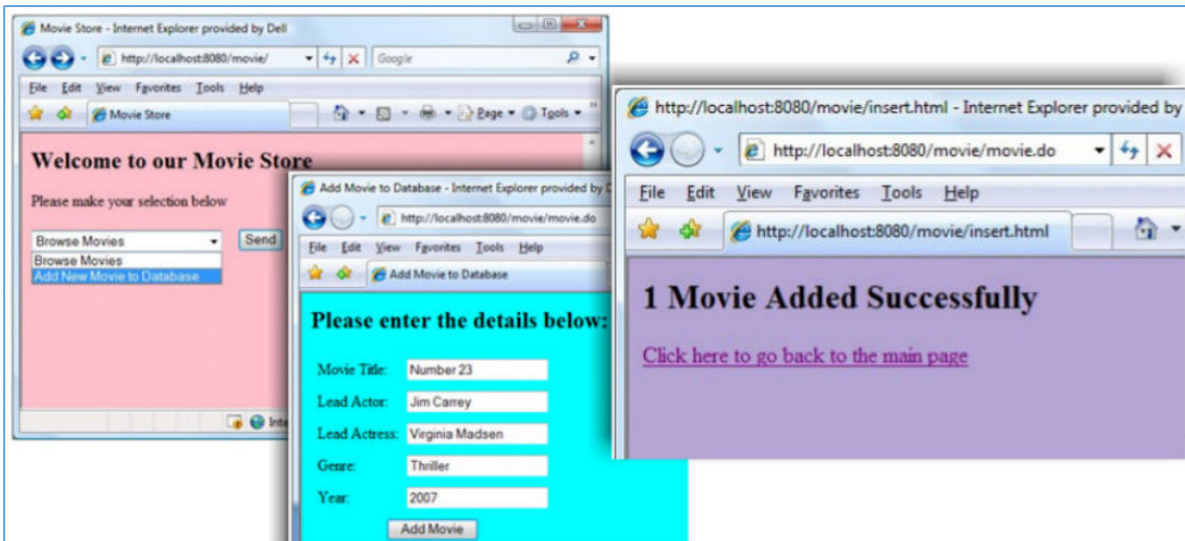
<http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-09.pdf>

### Part 4. Create an MVC application to browse movies and add new movies to the DB. (You can change/improve the views)

Database Name: moviedb

Table Name: movies

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



## Part 5. Prepared Statement and MVC

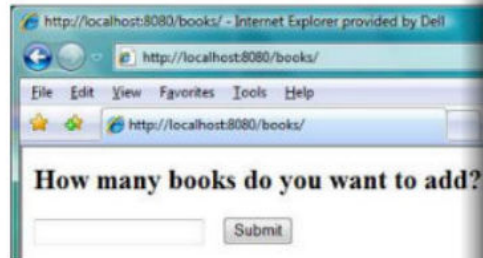
Use PreparedStatement to enter the books to the database whose details shown below. Implement using MVC. (You may change/improve the views.)

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

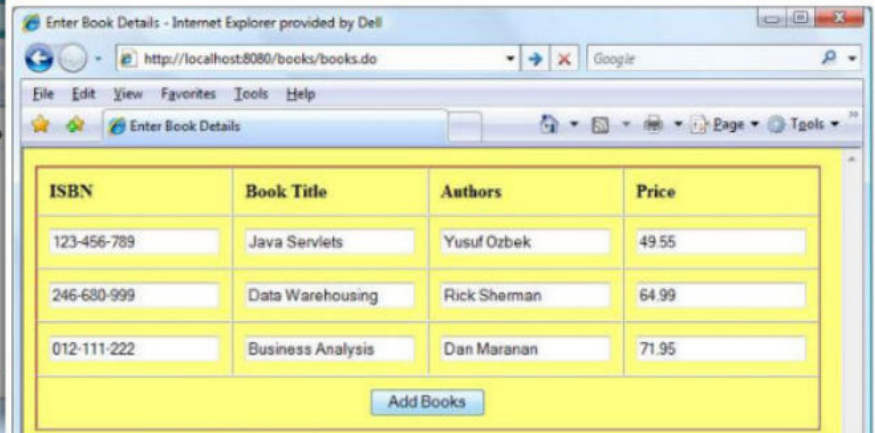
http://localhost:8080/books/

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

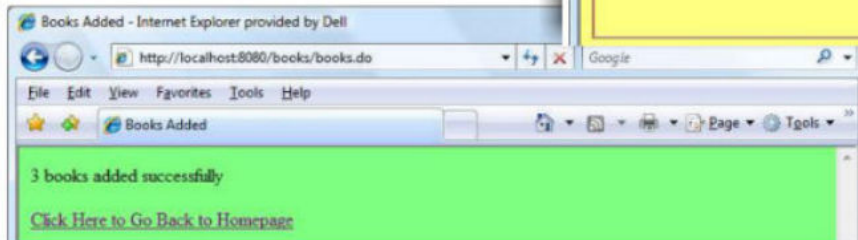
http://localhost:8080/books/books.do

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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