

Part 1. Reading Assignment

<http://pdf.coreservlets.com/HTTP-Request-Headers.pdf>
<http://pdf.coreservlets.com/HTTP-Status-Codes.pdf>
<http://pdf.coreservlets.com/HTTP-Response-Headers.pdf>

Part 2. Programming Assignment

Write a servlet that displays request headers using:

Enumeration `getHeaderNames()`

Enumeration `getHeaders(String name)`

<https://docs.oracle.com/javase/7/api/javax/servlet/HttpServletRequest.html>

Part 3. Programming Assignment

Repeat Part 2 using a JSP page.

Part 4. Programming Assignment

Create a servlet to read and display user input from the form you created in HW1 using `getParameterMap()` method.

<https://docs.oracle.com/javase/7/api/javax/servlet/ServletRequest.html#getParameterMap-->

PART 5. Programming Assignment

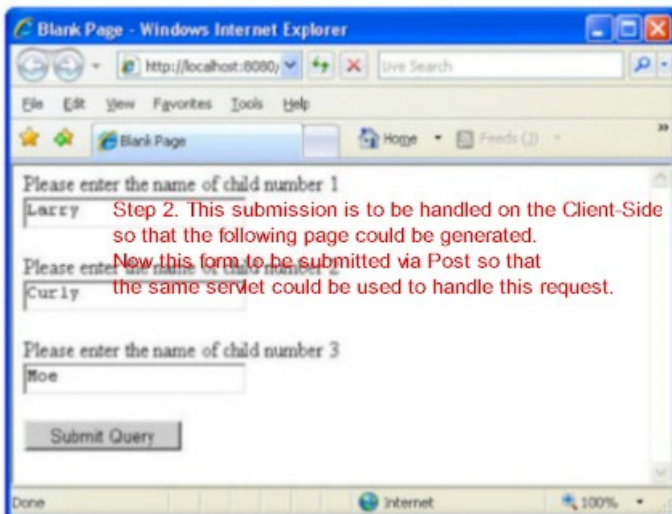
Redo Part 4 by using `getParameterNames()` method.

<https://docs.oracle.com/javase/7/api/javax/servlet/ServletRequest.html#getParameterNames-->

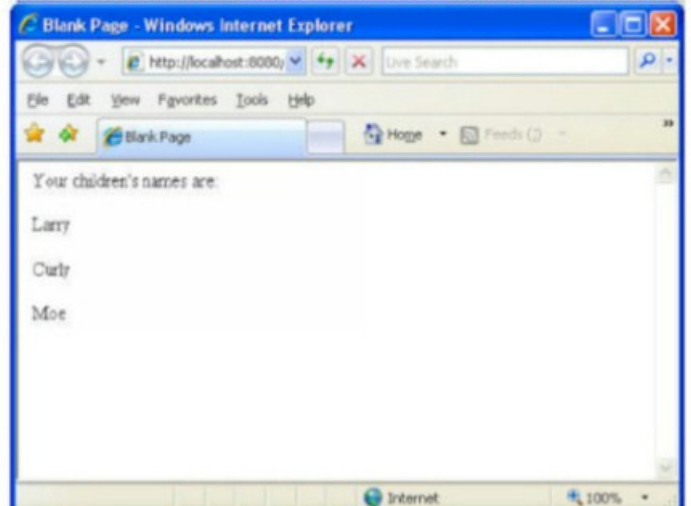
PART 6. Programming Assignment

Use only 1 servlet to implement the application whose screenshots are shown in the attached document. Initially form is displayed in the `doGet` method, and initially form submission will be handled in JavaScript that creates the page as shown in the second screenshot. Now, this form (2nd screenshot) is to be submitted via POST so that the same servlet could handle this request in the same servlet.

Step 1. Create this form in `doGet`

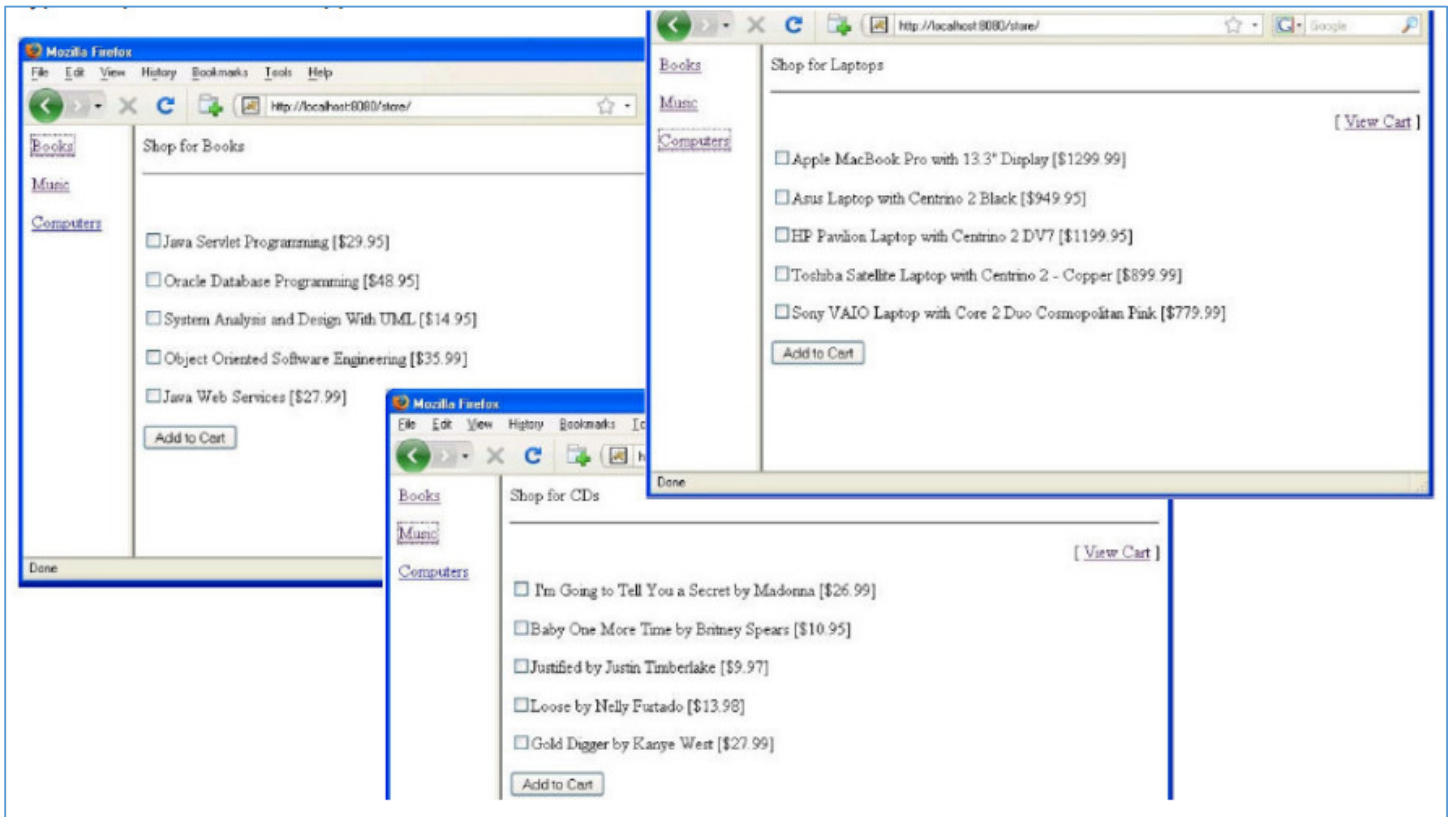


Step 3. Now handle the form in `doPost` and display the submitted data.



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. There are 3 different types of products in this application as shown below:



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.

