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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | [**Package**](http://docs.google.com/rain/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ShoppingCartServlet.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/rain/ShoppingCartItem.html)   [**NEXT CLASS**](http://docs.google.com/rain/ShoppingCartSessionListener.html) | [**FRAMES**](http://docs.google.com/index.html?rain/ShoppingCartServlet.html)    [**NO FRAMES**](http://docs.google.com/ShoppingCartServlet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

## **rain**

Class ShoppingCartServlet

[java.lang.Object](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html)  
 javax.servlet.GenericServlet  
 javax.servlet.http.HttpServlet  
 **rain.ShoppingCartServlet**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/docs/jdk_docs/api/java/io/Serializable.html), javax.servlet.Servlet, javax.servlet.ServletConfig

public class **ShoppingCartServlet**extends javax.servlet.http.HttpServlet

This servlet handles a customer's shopping cart.

The servlet accesses a user's shopping cart by retrieving the session value named **the\_cart**

The servlet supports the following parameters:

* **command** - Command to "add" an item or "view" the cart's contents. See usage examples below
* **id** - The product id...used when adding products

Usage examples. If you want to link to the servlet from a web page:

//  
 // link to "add" an item to the cart  
 //  
 "<-a href=/servlet/rain.ShoppingCartServlet?command=add&id=" + tempProduct.getId() + ">"  
  
  
 //  
 // link to "view" the contents of the cart  
 //  
 <-a HREF="/servlet/rain.ShoppingCartServlet?command=view">

**Author:** 570 Development Team **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#rain.ShoppingCartServlet)

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| **Constructor Summary** | |
| [**ShoppingCartServlet**](http://docs.google.com/rain/ShoppingCartServlet.html#ShoppingCartServlet())() |

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| **Method Summary** | |
| protected  void | [**displayTotals**](http://docs.google.com/rain/ShoppingCartServlet.html#displayTotals(rain.ShoppingCart,%20java.io.PrintWriter))([ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) userCart, [PrintWriter](http://docs.google.com/docs/jdk_docs/api/java/io/PrintWriter.html) out) |
| void | [**doGet**](http://docs.google.com/rain/ShoppingCartServlet.html#doGet(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse))(javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)            Handles requests for the shopping cart. |
| void | [**doPost**](http://docs.google.com/rain/ShoppingCartServlet.html#doPost(javax.servlet.http.HttpServletRequest,%20javax.servlet.http.HttpServletResponse))(javax.servlet.http.HttpServletRequest request, javax.servlet.http.HttpServletResponse response)            Forwards the request to doGet... |
| void | [**init**](http://docs.google.com/rain/ShoppingCartServlet.html#init())()            Retrieves an instance of the VideoDAO and MusicDAO |
| void | [**showCart**](http://docs.google.com/rain/ShoppingCartServlet.html#showCart(rain.ShoppingCart,%20java.io.PrintWriter,%20javax.servlet.http.HttpServletResponse))([ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) userCart, [PrintWriter](http://docs.google.com/docs/jdk_docs/api/java/io/PrintWriter.html) out, javax.servlet.http.HttpServletResponse response)            Shows the contents of the shopping cart in a table. |

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| **Methods inherited from class javax.servlet.http.HttpServlet** |
| doDelete, doHead, doOptions, doPut, doTrace, getLastModified, service, service |

|  |
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| **Methods inherited from class javax.servlet.GenericServlet** |
| destroy, getInitParameter, getInitParameterNames, getServletConfig, getServletContext, getServletInfo, getServletName, init, log, log |

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| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html) |
| [clone](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#clone()), [equals](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#toString()), [wait](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#wait()), [wait](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/docs/jdk_docs/api/java/lang/Object.html#wait(long,%20int)) |

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| **Constructor Detail** |

### ShoppingCartServlet

public **ShoppingCartServlet**()

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| --- |
| **Method Detail** |

### init

public void **init**()  
 throws javax.servlet.ServletException

Retrieves an instance of the VideoDAO and MusicDAO

**Overrides:**init in class javax.servlet.GenericServlet **Throws:** javax.servlet.ServletException - error occurred connecting to VideoDAO

### doGet

public void **doGet**(javax.servlet.http.HttpServletRequest request,  
 javax.servlet.http.HttpServletResponse response)  
 throws javax.servlet.ServletException,  
 [IOException](http://docs.google.com/docs/jdk_docs/api/java/io/IOException.html)

Handles requests for the shopping cart.

Basic steps

1. Get the user's session
2. Find out the command by accessing the parameter **command**
3. If command equals "add" then add the product to cart, show the cart's contents
4. If command equals "view" then show the cart's contents

**Overrides:**doGet in class javax.servlet.http.HttpServlet **Throws:** javax.servlet.ServletException [IOException](http://docs.google.com/docs/jdk_docs/api/java/io/IOException.html)

### showCart

public void **showCart**([ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) userCart,  
 [PrintWriter](http://docs.google.com/docs/jdk_docs/api/java/io/PrintWriter.html) out,  
 javax.servlet.http.HttpServletResponse response)

Shows the contents of the shopping cart in a table.

+---------------------------------------+  
 | Product | Price | Quantity |  
 =========================================  
 | ... | ... | ... |  
 |----------------------------------------  
 | ... | ... | ... |  
 |----------------------------------------  
 | Total | | |  
 +---------------------------------------+

Basic steps

1. Get a list of items from the shopping cart
2. Iterate thru the list and display the product name, price and quantity
3. Display the shoppping cart's total price and the number of items

### displayTotals

protected void **displayTotals**([ShoppingCart](http://docs.google.com/rain/ShoppingCart.html) userCart,  
 [PrintWriter](http://docs.google.com/docs/jdk_docs/api/java/io/PrintWriter.html) out)

### doPost

public void **doPost**(javax.servlet.http.HttpServletRequest request,  
 javax.servlet.http.HttpServletResponse response)  
 throws javax.servlet.ServletException,  
 [IOException](http://docs.google.com/docs/jdk_docs/api/java/io/IOException.html)

Forwards the request to doGet...

**Overrides:**doPost in class javax.servlet.http.HttpServlet **Throws:** javax.servlet.ServletException [IOException](http://docs.google.com/docs/jdk_docs/api/java/io/IOException.html)

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