

ShowItems.java

```
1 package coreservlets;
2
3 import java.io.*;
4
5
6
7
8
9 /** Servlet that displays a list of items being ordered.
10 * Accumulates them in an ArrayList with no attempt at
11 * detecting repeated items. Used to demonstrate basic
12 * session tracking. Updated to use generics.
13 * <p>
14 * From <a
15 * href="http://courses.coreservlets.com/Course-Materials/">th
16 * e
17 * coreservlets.com tutorials on servlets, JSP, Struts,
18 * JSF, Ajax, GWT,
19 * Spring, Hibernate, JPA, and Java</a>.
20 */
21
22 @WebServlet("/show-items")
23 public class ShowItems extends HttpServlet {
24     @Override
25     public void doPost (HttpServletRequest request,
26                         HttpServletResponse response)
27         throws ServletException, IOException {
28         HttpSession session = request.getSession();
29         synchronized(session) {
30             @SuppressWarnings("unchecked")
31             List<String> previousItems =
32                 (List<String>)session.getAttribute("previousItems");
33             if (previousItems == null) {
34                 previousItems = new ArrayList<String>();
35             }
36             String newItem = request.getParameter("newItem");
37             if ((newItem != null) &&
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35         (!newItem.trim().equals("")) {
36             previousItems.add(newItem);
37         }
38         session.setAttribute("previousItems", previousItems);
39         response.setContentType("text/html");
40         PrintWriter out = response.getWriter();
41         String title = "Items Purchased";
42         String docType =
43             "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 \" +
44             \"Transitional//EN\">\n";
45         out.println(docType +
46             "<HTML>\n" +
47             "<HEAD><TITLE>" + title +
48             "</TITLE></HEAD>\n" +
49             "<BODY BGCOLOR=\"#FDF5E6\">\n" +
50             "<H1>" + title + "</H1>");
51         if (previousItems.size() == 0) {
52             out.println("<I>No items</I>");
53         } else {
54             out.println("<UL>");
55             for(String item: previousItems) {
56                 out.println("    <LI>" + item);
57             }
58             out.println("</UL>");
59         }
60         out.println("</BODY></HTML>");
61     }
62 }
63
```