```java
 1 package ctrl;
 2
 3 import java.io.IOException;
11
12 @WebServlet({ "/Browse"})
13 public class Browse extends HttpServlet
14 {
15     private static final long serialVersionUID = 1L;
16
17     public Browse()
18     {
19         super();
20     }
21
22     protected void doGet(HttpServletRequest request, HttpServletResponse
   response) throws ServletException, IOException
23     {
24         try
25         {
26
27             if (request.getSession().getAttribute("user") != null) {
28                 String user = (String) request.getSession().getAttribute
   ("user");
29                 request.setAttribute("user", user);
30             }
31
32             Engine engine = Engine.getInstance();
33             request.setAttribute("catalogs", engine.getCatalogs());
34             if(request.getParameter("orderBy")!= null)
35             {
36                 String cat = request.getParameter("cat");
37                 if (cat != null && !cat.isEmpty() && !cat.equals("NONE"))
38                 {
39                     request.setAttribute("items",engine.getItems(cat,
   request.getParameter("orderBy")));
40                     request.setAttribute("cat",request.getParameter("cat"));
41                 }
42                 else if (request.getParameter("number")!= null)
43                 {
44                     request.setAttribute("items",engine.searchItem
   (request.getParameter("number")));
45                     request.setAttribute("number",request.getParameter
   ("number"));
46                 }
47             }
48             else if(request.getParameter("cat")!=null)
49             {
50                 request.setAttribute("items",engine.getItems
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     (request.getParameter("cat")));
51                     request.setAttribute("cat",request.getParameter("cat"));
52                 }
53             else if(request.getParameter("select_item").equals("search"))
54             {
55                     request.setAttribute("items",engine.searchItem
     (request.getParameter("number")));
56                     request.setAttribute("number",request.getParameter("number"));
57             }
58
59             request.getSession().setAttribute("back", request.getRequestURL
     ());
60         }
61         catch (Exception e)
62         {
63             request.setAttribute("error", e.getMessage());
64         }
65         this.getServletContext().getRequestDispatcher("/Browse.jspx").forward
     (request, response);
66     }
67
68     protected void doPost(HttpServletRequest request, HttpServletResponse
     response) throws ServletException, IOException
69     {
70         doGet(request, response);
71     }
72
73 }
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