```java
package ctrl;

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import model.Engine;

@WebServlet({ "/Browse"})
public class Browse extends HttpServlet
{
    private static final long serialVersionUID = 1L;

    public Browse()
    {
        super();
    }

    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
    {
        try
        {
            Engine engine = Engine.getInstance();
            request.setAttribute("catalogs", engine.getCatalogs());
            if(request.getParameter("orderBy")!= null)
            {
                String cat = request.getParameter("cat");
                if (cat != null && !cat.isEmpty() && !cat.equals("NONE"))
                {
                    request.setAttribute("items",engine.getItems(cat, request.getParameter("orderBy")));
                    request.setAttribute("cat",request.getParameter("cat"));
                }
                else if (request.getParameter("number")!= null)
                {
                    request.setAttribute("items",engine.searchItem (request.getParameter("number")));
                    request.setAttribute("number",request.getParameter("number"));
                }
                request.getParameter("orderBy");
            }
            else if(request.getParameter("cat")!=null)
            {
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45                request.setAttribute("items",engine.getItems
    (request.getParameter("cat")));
46                request.setAttribute("cat",request.getParameter("cat"));
47             }
48          else if(request.getParameter("select_item").equals("search"))
49          {
50                request.setAttribute("items",engine.searchItem
    (request.getParameter("number")));
51                request.setAttribute("number",request.getParameter("number"));
52          }
53
54       }
55       catch (Exception e)
56       {
57            request.setAttribute("error", e.getMessage());
58       }
59       if (request.getSession().getAttribute("user") != null) {
60          String user = (String) request.getSession().getAttribute("user");
61          request.setAttribute("user", user);
62       }
63
64       this.getServletContext().getRequestDispatcher("/Browse.jspx").forward
    (request, response);
65    }
66
67    protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException
68    {
69       doGet(request, response);
70    }
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72 }
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