

Add.java

```
1 package ctrl;
2
3 import java.io.IOException;
19
20 @WebServlet("/Add")
21 public class Add extends HttpServlet
22 {
23     private static final long serialVersionUID = 1L;
24
25     public Add()
26     {
27         super();
28     }
29
30     protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException
31     {
32         HttpSession session = request.getSession();
33         session.setAttribute("back", request.getRequestURL().toString());
34         if (session.getAttribute("user") != null) {
35             String user = (String) session.getAttribute("user");
36             request.setAttribute("user", user);
37         }
38         OrderBean order = ((OrderBean) session.getAttribute("order"));
39         try
40         {
41             Engine engine = Engine.getInstance();
42
43             if(request.getParameter("select_item")!=null)//add item
44             {
45                 String number = request.getParameter("number");
46                 String quantity = request.getParameter("qty");
47                 engine.orderAddItem(order, number, quantity);
48             }
49             if(request.getParameter("update")!=null)//update carts
50             {
51                 List<String> toDelete = new ArrayList<String>();
52                 Map<String, String> itemsQty = new HashMap<String, String>();
53                 List<String> parameters = Collections.list
(request.getParameterNames());
54                 for(String parameter: parameters)
55                 {
56                     if (parameter.startsWith("delete"))
57                         toDelete.add(request.getParameter(parameter));
58                     else if(parameter.matches("\\d{4}[A-Z|a-z]\\d{3}")
59 (parameter));
60                 }
```

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61         engine.updateOrder(order, itemsQty, toDelete);
62     }
63 }
64 catch (Exception e)
65 {
66     request.setAttribute("error", e.getMessage());
67 }
68
69 String checkoutName = "checkout";
70 if (session.getAttribute("user") != null)
71     checkoutName = "confirm";
72 request.setAttribute("checkout", checkoutName);
73
74 request.setAttribute("order", order);
75 this.getServletContext().getRequestDispatcher("/Add.jsp").forward
(request, response);
76 }
77
78 protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException
79 {
80     doGet(request, response);
81 }
82
83 }
```