

```
1 <!--
2   Created by IntelliJ IDEA.
3   beans.User: maxma
4   Date: 9/29/2019
5   Time: 11:48 AM
6   To change this template use File | Settings | File Templates.
7 --%>
8 <%@ page contentType="text/html; charset=UTF-8" language="java" %>
9 <html>
10  <head>
11    <title>Test Website</title>
12    <link rel="stylesheet" href="css/main.css">
13  </head>
14  <body>
15    <h1>Welcome to Baseball Cards R' Us!</h1>
16    <h2>Please fill out the form to order your free items.</h2>
17    <hr>
18    <form action="order" method="post">
19      <input type="hidden" name="fromPage" value="index">
20      <label>First Name: </label><input type="text" name="firstName"
21      required><br>
22      <label>Last Name: </label><input type="text" name="lastName"
23      required><br>
24      <label>Email: </label><input type="email" name="email" required><br>
25      <label>Address: </label><input type="text" name="address" required
26      ><br>
27      <label>City: </label><input type="text" name="city" required><br>
28      <label>State: </label><input type="text" name="state" required><br>
29      <label>Zip Code: </label><input type="text" name="zipCode"
30      required><br>
31      Shipping:
32      <select name="shipping">
33        <option value="ground">Ground (3-5 business days)</option>
34        <option value="air">Air (1-2 business days)</option>
35        <option value="drone">Drone (30 minutes)</option>
36      </select><br>
37
38      <div id="cards">
39        <label>Cards:</label>
40        <select name="cards" size="5" multiple required>
41          <option value="barryBonds">Barry Bonds</option>
42          <option value="kenGriffeyJr">Ken Griffey Jr.</option>
43          <option value="hankAaron">Hank Aaron</option>
```

```
40         <option value="jackieRobinson">Jackie Robinson</option>
41         <option value="randyJohnson">Randy Johnson</option>
42     </select>
43 </div>
44
45     <label>Join mailing list? </label><input type="checkbox" name="
mailingList"><br>
46     <label>Would you recommend this site to a friend?</label>
47     <label>Yes:</label><input type="radio" name="recommend" value="Yes
" checked><label> No:</label><input type="radio" name="recommend"
value="No"><br>
48     <input type="submit" value="Order">
49 </form>
50 </body>
51 </html>
52
```

```
1 <!--
2   Created by IntelliJ IDEA.
3   beans.User: maxma
4   Date: 9/29/2019
5   Time: 12:20 PM
6   To change this template use File | Settings | File Templates.
7 --%>
8 <%@ page contentType="text/html; charset=UTF-8" language="java" %>
9 <html>
10 <head>
11     <title>Order</title>
12     <link rel="stylesheet" href="css/main.css">
13 </head>
14 <body>
15     <h1>Thank you for placing an order.</h1>
16     <p>Below are your order details.</p>
17     <hr>
18     <table border="2">
19         <tr>
20             <th>First Name</th>
21             <td>${user.firstName}</td>
22         </tr>
23         <tr>
24             <th>LastName</th>
25             <td>${user.lastName}</td>
26         </tr>
27         <tr>
28             <th>Email</th>
29             <td>${user.email}</td>
30         </tr>
31         <tr>
32             <th>Address</th>
33             <td>${user.address}</td>
34         </tr>
35         <tr>
36             <th>City</th>
37             <td>${user.city}</td>
38         </tr>
39         <tr>
40             <th>State</th>
41             <td>${user.state}</td>
42         </tr>
43         <tr>
44             <th>Zip Code</th>
45             <td>${user.zipCode}</td>
```

```
46         </tr>
47         <tr>
48             <th>Shipping</th>
49             <td>${order.shipping}</td>
50         </tr>
51         <tr>
52             <th>Cards:</th>
53             <td>
54                 <%@ page import="beans.Order" %>
55                 <%
56                     Order order = (Order) request.getAttribute("order"
57 );
58                     String results = "";
59                     for (String card: order.getCards()) {
60                         results += card + " | ";
61                     }
62                 %>
63                 <%= results %>
64             </td>
65         </tr>
66         <tr>
67             <th>Mailing List:</th>
68             <td>${user.mailingList}</td>
69         </tr>
70         <tr>
71             <th>Recommendation:</th>
72             <td>${user.recommendToFriend}</td>
73         </tr>
74     </table>
75 </body>
76 </html>
77
```

```
1 body {
2     margin: auto;
3     width: 50%;
4     border: 2px dotted blue;
5     padding: 10px;
6     text-align: center;
7 }
8
9 form {
10     margin: 5px;
11     padding: 10px;
12 }
13
14 input {
15     margin-bottom: 20px;
16 }
17
18 select {
19     margin-bottom: 20px;
20 }
21
22 #cards {
23     margin-bottom: 20px;
24 }
25
26 div > select {
27     margin-bottom: 0;
28 }
29
30 table {
31     margin: auto;
32     width: 75%;
33 }
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4         xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http
: //xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
5         version="4.0">
6
7     <servlet>
8         <servlet-name>BaseballServlet</servlet-name>
9         <servlet-class>BaseballServlet</servlet-class>
10    </servlet>
11
12    <servlet-mapping>
13        <servlet-name>BaseballServlet</servlet-name>
14        <url-pattern>/order</url-pattern>
15    </servlet-mapping>
16 </web-app>
```

```
1 package beans;
2
3 import java.io.Serializable;
4
5 public class User implements Serializable {
6     private String firstName;
7     private String lastName;
8     private String email;
9     private String address;
10    private String city;
11    private String state;
12    private int zipCode;
13    private boolean mailingList;
14    private boolean recommendToFriend;
15
16    public User() {
17    }
18
19    public User(String firstName, String lastName, String email,
20    String address, String city, String state, int zipCode) {
21        this.firstName = firstName;
22        this.lastName = lastName;
23        this.email = email;
24        this.address = address;
25        this.city = city;
26        this.state = state;
27        this.zipCode = zipCode;
28    }
29
30    public String getFirstName() {
31        return firstName;
32    }
33
34    public void setFirstName(String firstName) {
35        this.firstName = firstName;
36    }
37
38    public String getLastName() {
39        return lastName;
40    }
41
42    public void setLastName(String lastName) {
43        this.lastName = lastName;
44    }
```

```
45     public String getEmail() {
46         return email;
47     }
48
49     public void setEmail(String email) {
50         this.email = email;
51     }
52
53     public String getAddress() {
54         return address;
55     }
56
57     public void setAddress(String address) {
58         this.address = address;
59     }
60
61     public String getCity() {
62         return city;
63     }
64
65     public void setCity(String city) {
66         this.city = city;
67     }
68
69     public String getState() {
70         return state;
71     }
72
73     public void setState(String state) {
74         this.state = state;
75     }
76
77     public int getZipCode() {
78         return zipCode;
79     }
80
81     public void setZipCode(int zipCode) {
82         this.zipCode = zipCode;
83     }
84
85     public boolean isMailingList() {
86         return mailingList;
87     }
88
89     public void setMailingList(boolean mailingList) {
```



```
90         this.mailingList = mailingList;
91     }
92
93     public boolean isRecommendToFriend() {
94         return recommendToFriend;
95     }
96
97     public void setRecommendToFriend(boolean recommendToFriend) {
98         this.recommendToFriend = recommendToFriend;
99     }
100 }
101
```

```
1 package beans;
2
3 import java.io.Serializable;
4
5 public class Order implements Serializable {
6     private String shipping;
7     private String[] cards;
8
9     public Order() {
10    }
11
12    public Order(String shipping, String[] cards) {
13        this.shipping = shipping;
14        this.cards = cards;
15    }
16
17    public String getShipping() {
18        return shipping;
19    }
20
21    public void setShipping(String shipping) {
22        this.shipping = shipping;
23    }
24
25    public String[] getCards() {
26        return cards;
27    }
28
29    public void setCards(String[] cards) {
30        this.cards = cards;
31    }
32 }
33
```

```
1 import beans.Order;
2 import beans.User;
3
4 import javax.servlet.ServletException;
5 import javax.servlet.annotation.WebServlet;
6 import javax.servlet.http.HttpServlet;
7 import javax.servlet.http.HttpServletRequest;
8 import javax.servlet.http.HttpServletResponse;
9 import java.io.IOException;
10
11 @WebServlet(name = "BaseballServlet")
12 public class BaseballServlet extends HttpServlet {
13
14     @Override
15     protected void doPost(HttpServletRequest request,
16         HttpServletResponse response) throws ServletException, IOException {
17         String fromPage = request.getParameter("fromPage");
18         String url = "/index.jsp";
19
20         if (fromPage.equals("index")) {
21             User user = new User();
22             user.setFirstName(request.getParameter("firstName"));
23             user.setLastName(request.getParameter("lastName"));
24             user.setEmail(request.getParameter("email"));
25             user.setAddress(request.getParameter("address"));
26             user.setCity(request.getParameter("city"));
27             user.setState(request.getParameter("state"));
28             user.setZipCode(Integer.parseInt(request.getParameter("
zipCode"))));
29
30             if (request.getParameter("mailingList") == null) {
31                 user.setMailingList(false);
32             } else {
33                 user.setMailingList(true);
34             }
35
36             if (request.getParameter("recommend").equals("Yes")) {
37                 user.setRecommendToFriend(true);
38             } else {
39                 user.setRecommendToFriend(false);
40             }
41
42             Order order = new Order();
43             order.setShipping(request.getParameter("shipping"));
44             order.setCards(request.getParameterValues("cards"));
```

```
44
45         request.setAttribute("user", user);
46         request.setAttribute("order", order);
47
48         url = "/confirmation.jsp";
49     }
50
51     getServletContext().getRequestDispatcher(url).forward(request,
response);
52     }
53
54     @Override
55     protected void doGet(HttpServletRequest request,
56     HttpServletResponse response) throws ServletException, IOException {
57         doPost(request, response);
58     }
59 }
```