

EmailListServlet.java

```
1 package murach.email;
2
3 import java.io.*;
4
5
6
7
8
9
10 public class EmailListServlet extends HttpServlet {
11
12     @Override
13     protected void doPost(HttpServletRequest request,
14                           HttpServletResponse response)
15         throws ServletException, IOException {
16
17         String url = "/index.html";
18
19         // get current action
20         request.setCharacterEncoding("utf-8");
21         String action = request.getParameter("action");
22         if (action == null) {
23             action = "join"; // default action
24         }
25
26         // perform action and set URL to appropriate page
27         if (action.equals("join")) {
28             url = "/index.html"; // the "join" page
29         }
30         else if (action.equals("add")) {
31             // get parameters from the request
32             String firstName = request.getParameter("firstName");
33             String lastName = request.getParameter("lastName");
34             String email = request.getParameter("email");
35
36             // store data in User object and save User object in
37             database User user = new User(firstName, lastName, email);
38
39             UserDB.insert(user);
40
41             // set User object in request object and set URL
42             request.setAttribute("user", user);
43             url = "/thanks.jsp"; // the "thanks" page
44         }
45
46         // forward request and response objects to specified URL
```

EmailListServlet.java

```
47     getServletContext()
48         .getRequestDispatcher(url)
49         .forward(request, response);
50     }
51
52     @Override
53     protected void doGet(HttpServletRequest request,
54                          HttpServletResponse response)
55                          throws ServletException, IOException {
56         doPost(request, response);
57     }
58 }
```