8.9 Putting the Cookie Utilities into Practice

Listing 8.5 redoes the `RepeatVisitor` servlet of Listing 8.1. The new version (`RepeatVisitor2`) has the same functionality as the old version: it says "Welcome Aboard" to first-time visitors and "Welcome Back" to repeat visitors. However, it uses the cookie utilities of Section 8.8 to simplify the code in two ways:

1. Instead of calling `request.getCookies` and looping down that array examining each name, it merely calls `CookieUtilities.getCookieValue`.

2. Instead of creating a `Cookie` object, calculating the number of seconds in a year, and then calling `setMaxAge`, it merely creates a `LongLivedCookie` object.

Figures 8-8 and 8-9 show the results.

Listing 8.5 RepeatVisitor2.java

```java
package coreservlets;

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

/** A variation of the RepeatVisitor servlet that uses
 *  CookieUtilities.getCookieValue and LongLivedCookie
 *  to simplify the code.
 */

public class RepeatVisitor2 extends HttpServlet {
  public void doGet(HttpServletRequest request,
                    HttpServletResponse response)
      throws ServletException, IOException {
    boolean newbie = true;
    String value =
      CookieUtilities.getCookieValue(request, "repeatVisitor2",
                                     "no");
    if (value.equals("yes")) {
      newbie = false;
    }
    String title;
    if (newbie) {
      LongLivedCookie returnVisitorCookie =
        new LongLivedCookie("repeatVisitor2", "yes");
      response.addCookie(returnVisitorCookie);
      title = "Welcome Aboard";
    } else {
      title = "Welcome Back";
    }
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    String docType =
      "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 " +
      "Transitional//EN\">\n";
    out.println(docType +
                "<HTML>\n" +
                "<HEAD><TITLE>" + title + "</TITLE></HEAD>\n" +
                "<BODY BGCOLOR=\"#FDF5E6\">\n" +
                "<H1 ALIGN=\"CENTER\">" + title + "</H1>\n" +
```

```
                    "</BODY></HTML>");
    }
}
```

Figure 8-8. First visit by a client to the `RepeatVisitor2` servlet.

Figure 8-9. Subsequent visit by a client to the `RepeatVisitor2` servlet.

[Team LiB]   ◀ PREVIOUS NEXT ▶