

INDIVIDUAL_ASSIGNMENT ABOUT COOKIE

Html code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>User Login</title>
7 </head>
8 <body>
9     <h1>Enter Your Username or Email</h1>
10    <form action="StoreCookieServlet" method="POST">
11        <input type="text" name="username" id="username" placeholder="Username or Email" value="">
12        <input type="submit" value="Submit">
13    </form>
14 </body>
15 </html>
```

Servlet code:

```
3 import java.io.IOException;
4
5 import jakarta.servlet.ServletException;
6 import jakarta.servlet.annotation.WebServlet;
7 import jakarta.servlet.http.Cookie;
8 import jakarta.servlet.http.HttpServlet;
9 import jakarta.servlet.http.HttpServletRequest;
10 import jakarta.servlet.http.HttpServletResponse;
11
12
13 /**
14  * Servlet implementation class StoreCookieServlet
15  */
16 @WebServlet("/StoreCookieServlet")
17 public class StoreCookieServlet extends HttpServlet {
18     private static final long serialVersionUID = 1L;
19
20     /**
21      * @see HttpServlet#HttpServlet()
22      */
23     public StoreCookieServlet() {
24         super();
25         // TODO Auto-generated constructor stub
26     }
27
28     /**
29      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
30      */
31     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
32         // TODO Auto-generated method stub
33         response.getWriter().append("Served at: ").append(request.getContextPath());
34
35         // Check for existing cookies
36         String username = "";
37         Cookie[] cookies = request.getCookies();
38
39         if (cookies != null) {
40             for (Cookie cookie : cookies) {
41                 if ("username".equals(cookie.getName())) {
42                     username = cookie.getValue();
43                     break;
44                 }
45             }
46         }
47     }
48 }
```

```

        break;
    }
}

// Set the username attribute for the JSP page
request.setAttribute("username", username);
request.getRequestDispatcher("INDEX.html").forward(request, response);
}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
    String username = request.getParameter("username");

    // Create a cookie to store the username or email
    Cookie cookie = new Cookie("username", username);
    cookie.setMaxAge(60 * 60 * 24); // 1 day
    response.addCookie(cookie);

    // Redirect back to the main page
    response.sendRedirect("INDEX.html");
}
}

```

JSP code:

```

        break;
    }
}

// Set the username attribute for the JSP page
request.setAttribute("username", username);
request.getRequestDispatcher("INDEX.html").forward(request, response);
}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
    String username = request.getParameter("username");

    // Create a cookie to store the username or email
    Cookie cookie = new Cookie("username", username);
    cookie.setMaxAge(60 * 60 * 24); // 1 day
    response.addCookie(cookie);

    // Redirect back to the main page
    response.sendRedirect("INDEX.html");
}
}

```

Output:

Before submitting:

Enter Your Username or Email

After submitting:

Enter Your Username or Email