

GreetingServlet

greeting.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Greeting Servlet</title>
</head>
<body>
  <h2>Enter your name for a personalized greeting:</h2>
  <form action="GreetUser" method="get">
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" required>
    <input type="submit" value="Greet Me">
  </form>
</body>
</html>
```

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://java.sun.com/xml/ns/javaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
    http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd"
  version="3.0">

  <servlet>
    <servlet-name>GreetingServlet</servlet-name>
    <servlet-class>GreetingServlet</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>GreetingServlet</servlet-name>
    <url-pattern>/GreetUser</url-pattern>
  </servlet-mapping>
</web-app>
```

GreetingServlet.java

```
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/GreetUser")
public class GreetingServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        String name = request.getParameter("name");
        response.setContentType("text/html");
        if (name != null && !name.trim().isEmpty()) {
            response.getWriter().println("<h1>Hello, " + name + "!</h1>");
        } else {
            response.getWriter().println("<h1>Hello, Guest!</h1>");
        }
    }
}
```