

Forms using servlet

artToolsForm.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Art Tool Selection</title>
</head>
<body>
  <h2>Select an Art Tool</h2>
  <form action="ArtToolServlet" method="get">
    <label for="artTool">Choose an art tool:</label>
    <select id="artTool" name="artTool">
      <option value="Brush">Brush</option>
      <option value="Palette">Palette</option>
      <option value="Canvas">Canvas</option>
      <option value="Easel">Easel</option>
      <option value="Pencil">Pencil</option>
    </select>
    <br><br>
    <input type="submit" value="Submit">
  </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>ArtToolServlet</servlet-name>
    <servlet-class>ArtToolServlet</servlet-class>
  </servlet>
```

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

ArtToolServlet.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("/ArtToolServlet")
public class ArtToolServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {

        String artTool = request.getParameter("artTool");

        response.setContentType("text/html");
        response.getWriter().println("<html><body>");
        response.getWriter().println("<h1>You have selected: " + artTool + "</h1>");

        if (artTool.equals("Brush")) {
            response.getWriter().println("<p>The brush is used for painting on a canvas.</p>");
        } else if (artTool.equals("Palette")) {
            response.getWriter().println("<p>The palette holds the colors you are mixing.</p>");
        } else if (artTool.equals("Canvas")) {
            response.getWriter().println("<p>The canvas is the surface for your painting.</p>");
        } else if (artTool.equals("Easel")) {
            response.getWriter().println("<p>The easel holds your canvas while you paint.</p>");
        } else if (artTool.equals("Pencil")) {
            response.getWriter().println("<p>The pencil is used for sketching outlines.</p>");
        } else {
            response.getWriter().println("<p>Invalid selection!</p>");
        }
    }
}
```

```
        response.getWriter().println("</body></html>");  
    }  
}
```