SOURCE CODE :

index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Shopping Cart</title>
</head>
<body>
    <h2>Select Items to Add to Cart</h2>
    <form method="get" action="CartServlet">
        <label for="item">Item:</label>
        <input type="text" id="item" name="item" required><br><br>
        <input type="submit" value="Add to Cart">
    </form>
    <br>
    <form method="get" action="ViewCartServlet">
        <input type="submit" value="View Cart">
    </form>
</body>
</html>
```

CartServlet.java

```java
import java.io.IOException;
import java.util.ArrayList;
import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
```

```java
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;

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

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

        // Retrieve or create a session
        HttpSession session = request.getSession();

        // Get the item from the request
        String item = request.getParameter("item");

        // Retrieve the cart from the session, or create a new one if it doesn't exist
        ArrayList<String> cart = (ArrayList<String>) session.getAttribute("cart");
        if (cart == null) {
            cart = new ArrayList<String>();
        }
        // Add the item to the cart
        cart.add(item);
        // Save the updated cart back to the session
        session.setAttribute("cart", cart);
        // Redirect to a confirmation page
        response.sendRedirect("index.html");
    }
}
```

ViewCartServlet.java

```java
import java.io.IOException;
import java.io.PrintWriter;
```

```java
import java.util.ArrayList;
import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.HttpSession;

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

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

        // Set response content type
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        // Retrieve the session, if it exists
        HttpSession session = request.getSession(false);

        // Display the cart
        out.println("<html><body>");
        out.println("<h2>Your Shopping Cart:</h2>");

        if (session != null) {
            ArrayList<String> cart = (ArrayList<String>) session.getAttribute("cart");
            if (cart != null && !cart.isEmpty()) {
                for (String item : cart) {
                    out.println("<p>" + item + "</p>");
                }} else {
                out.println("<p>Your cart is empty.</p>");
            }
```

```java
        } else {
            out.println("<p>No session found.</p>");
        }
        out.println("<a href='index.html'>Go Back</a>");
        out.println("</body></html>");
        out.close();
    }
}
```
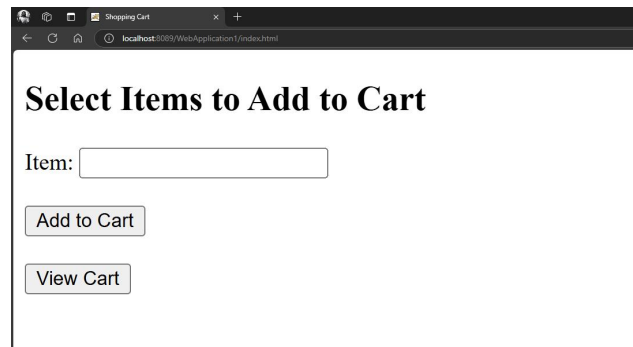
web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="6.0" xmlns="https://jakarta.ee/xml/ns/jakartaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee https://jakarta.ee/xml/ns/jakartaee/web-
app_6_0.xsd">

  <servlet>
    <servlet-name>CartServlet</servlet-name>
    <servlet-class>CartServlet</servlet-class>
  </servlet>
  <servlet>
    <servlet-name>ViewCartServlet</servlet-name>
    <servlet-class>ViewCartServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>CartServlet</servlet-name>
    <url-pattern>/CartServlet</url-pattern>
  </servlet-mapping>
  <servlet-mapping>
    <servlet-name>ViewCartServlet</servlet-name>
    <url-pattern>/ViewCartServlet</url-pattern>
  </servlet-mapping>
</web-app>
```
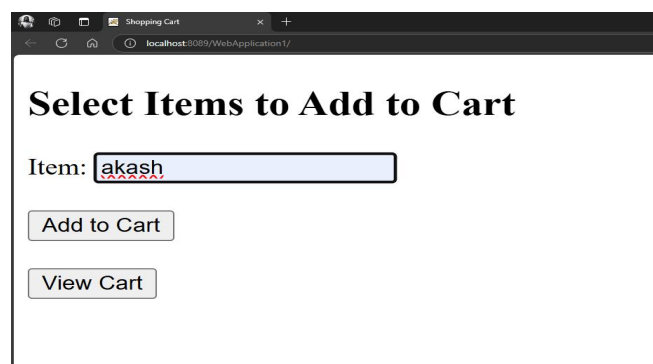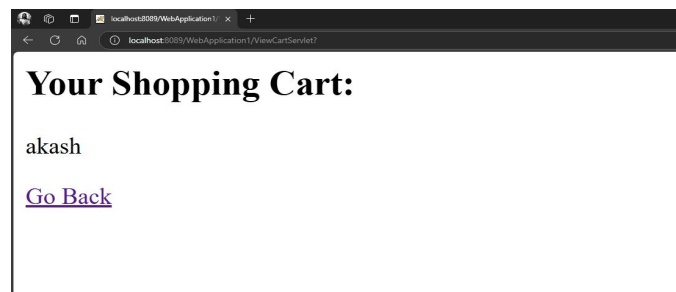
OUTPUT :