

# SERVLET INTRODUCTION LAB

## PART A: A SIMPLE SERVLET

1. New project/Java Web/Web Application
2. Name it SimplestServletDemo (and note the location where it is being created)
3. Server: GlassFish Server (Latest version)
4. Java EE version: Java EE (Latest version)
5. Next, don't choose any of the frameworks
7. Click Finish
8. Replace div of the generated index.html with: `<a href='Simplest'>SimplestServletDemo</a>`
9. Right click Source Packages/New/Servlet
10. Class Name = SimplestServlet
11. Package = mum.cs472, click <Next>
12. Then change the url pattern from /SimplestServlet to /Simplest. Also, but be sure to check "Add information to deployment descriptor (web.xml)" and then click Finish
13. In SimplestServlet.java, delete the processRequest method.
14. Replace the doGet and doPost methods with the following:

```
protected void doGet(HttpServletRequest request,
    HttpServletResponse response) throws ServletException, IOException
{
    PrintWriter out = response.getWriter();
    out.print("<html><head><title>Test</title></head><body>");
    out.print("<form method='post'>");
    out.print("<p>Please click the button</p>");
    out.print("<input type='submit' value='Click me' />");
    out.print("</form>");
    out.print("</body></html>");
}
```

```
protected void doPost(HttpServletRequest request,
    HttpServletResponse response) throws ServletException, IOException
{
    PrintWriter out = response.getWriter();
    out.print("<html><head><title>Test</title></head><body>");
    out.print("<p>Postback received</p>");
    out.print("</body></html>");
}
```

15. F6
16. You should see a link to SimplestServletDemo, click it and you should see the page created by doGet. Click the button and you should see the page created by doPost.

## **PART B: HELLO WORLD SERVLET**

In this Lab, you will write and deploy a simple "Hello World" Servlet using Netbeans and Glassfish. When your website is called by the Browser, it should display a Hello World message in the Browser Window. The website is not interactive and only has this one display screen.

## **PART C: BEER ADVISER WEBSITE**

In this Lab, you will implement the Beer Advisor website (Version 2) described in pages 75 - 84 (Chapter 3) of the *Head First Servlets and JSP* textbook. You may use the HTML and Java code shown in the pages of the textbook.