

Hello World Servlet

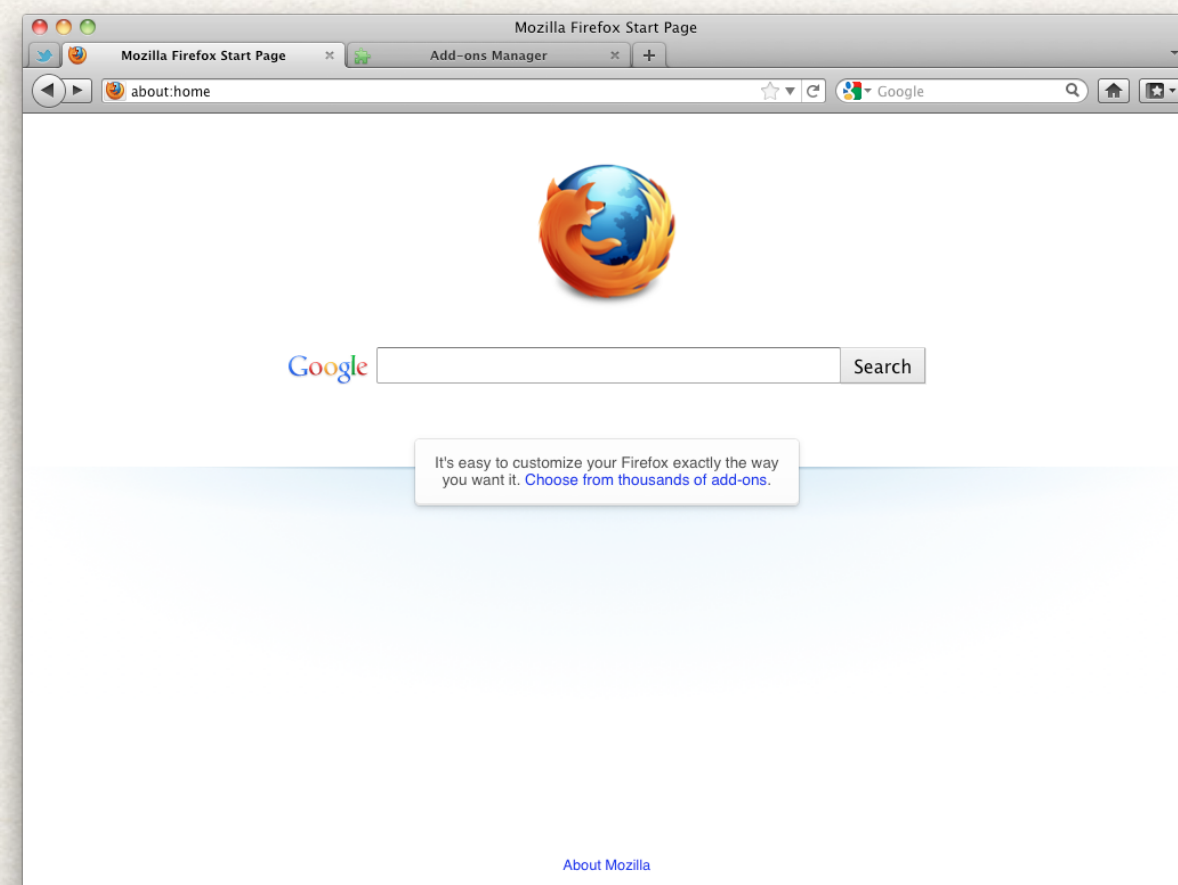


What Are Servlets?

- Java class that is processed on the server
- Java class generates HTML that is returned to browser
- Can read HTML form data, use cookies and sessions etc...
- At a high-level, similar functionality to JSPs
 - more on that later ... :-)

What Are Servlets?

Web Browser



request

response

<html>

Java Servlet

Java class

Show me the code!

```
@WebServlet("/HelloWorldServlet")
public class HelloWorldServlet extends HttpServlet {

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

        // Step 1: set the content type
        response.setContentType("text/html");

        // Step 2: get the printwriter
        PrintWriter out = response.getWriter();

        // Step 3: generate HTML content
        out.println("<html><body>");

        out.println("<h2>Hello World</h2>");
        out.println("<hr>");
        out.println("Time on the server is: " + new java.util.Date());

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

Hello World

Time on the server is: Thu Dec 24 10:33:13 EST 2015

Access the Servlet

- Use the path specified in@WebServlet annotation

`http://localhost:8080/<projectName>/HelloWorldServlet`

```
@WebServlet("/HelloWorldServlet")  
public class HelloWorldServlet extends HttpServlet {  
  
...  
}
```

Hello World

Time on the server is: Thu Dec 24 10:33:13 EST 2015