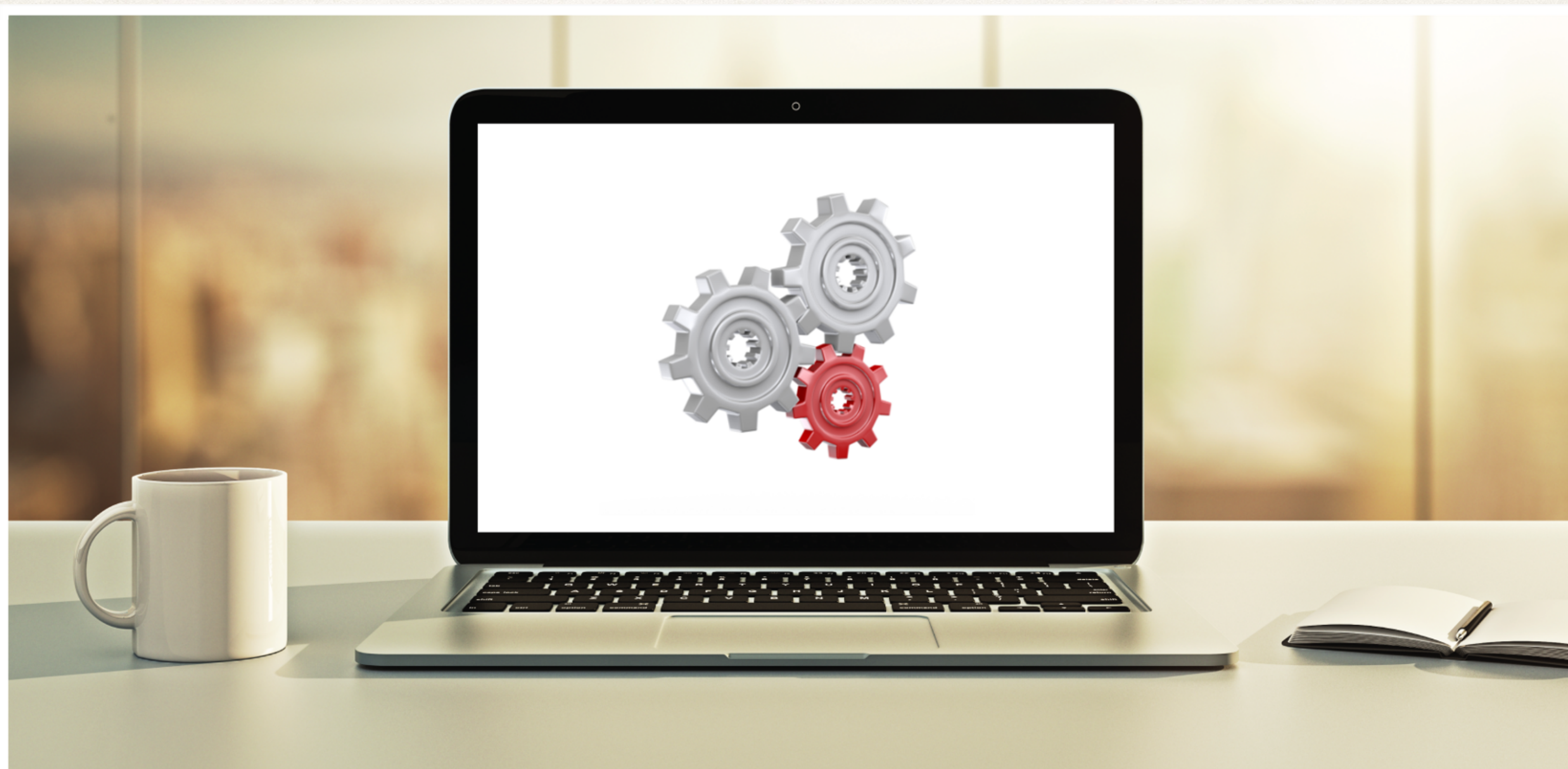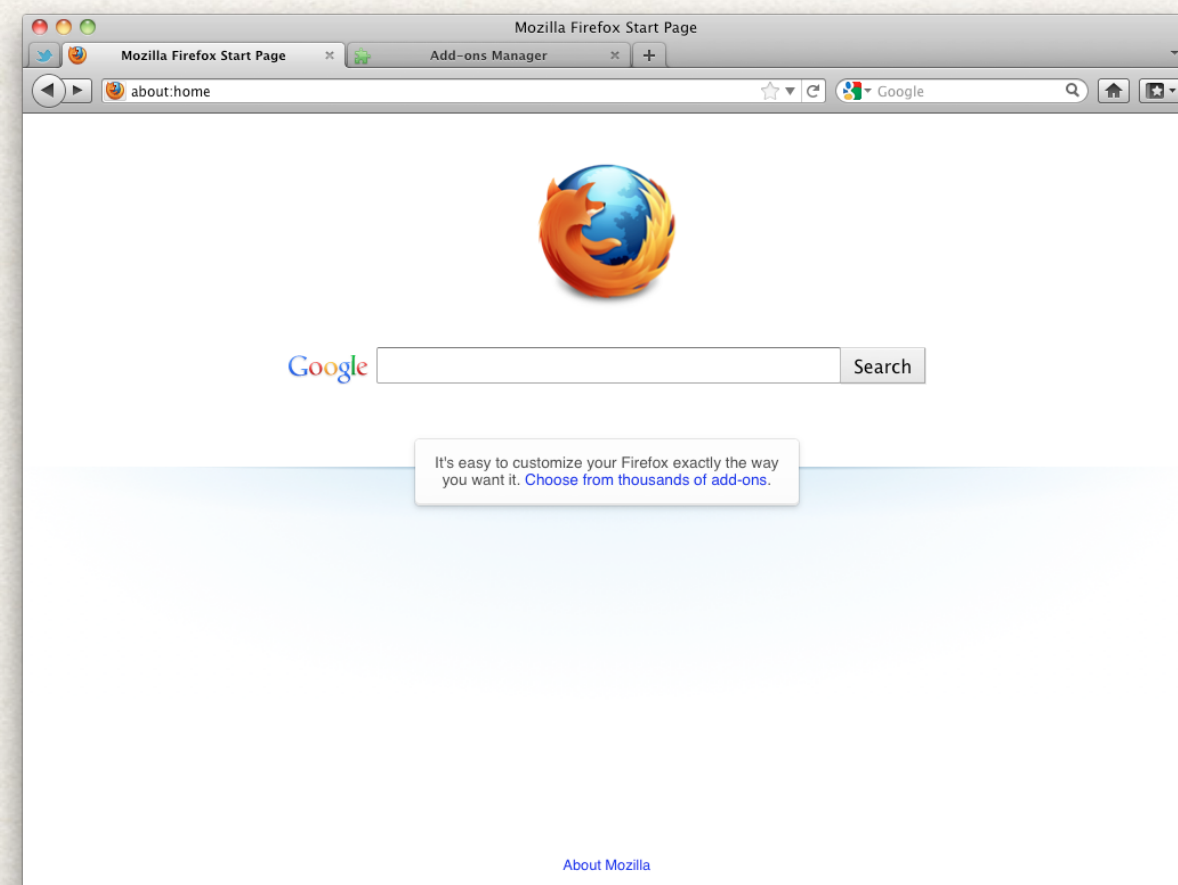# Hello World Servlet

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

Java Servlet

request

response

<html>

Java class

luv2code

Show me the code!

```java
@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

luv2code

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

luv2code