**What this project does?**

**This project demonstrates use of filters in servlet and jsp application.**

Also go through project 'ServletJSPHibernateXMLFullAp' for more example of servlet filter.

**How to create this project??**

**This is non maven 'Dynamic web project'.**

Refer file 'CreatingDynamicWebProjectForServletJSPInEclipse.docx' in 'ServletDemo' project folder for getting more details about how to create 'Dynamic web project' in eclipse.

This project illustrates how J2EE filters work with servlet and jsp

**This project is pure xml based i.e. elements are mapped in web.xml file.**

**First of all carefully study the project structure of this project (i.e. 'Dynamic Web Project')**

Especially src folder, Web Content folder(where welcome files are stored and web.xml file. Their location and structure.)

**Study following files very carefully:**

**1. web.xml:** This is deployment descriptor file for the given project. Study it to understand how welcome file defined, how servlet and filters mapped etc.

**2. Servlets** of this projects are in 'controller' package.

**3. Filter** of this project is in 'filters' package.

\*\*Go through doFilter method of the filter where we (only for study purpose, otherwise this task can easily done by any other mean) validate username and password enter buy user for any blank space and displays a message accordingly.

**Please go through the mapping of the filter in web.xml file.**

Usage of Filter

\* recording all incoming requests

\* logs the IP addresses of the computers from which the requests originate

\* conversion data

\* compression encryption and decryption

\* input validation etc.(very rarely used.)