

Examples with Java Server Faces

(covered topics)

- Apache MyFaces
- Standard JSF components
- Tomahawk library components
- Drawbacks in JSF 1.1
- Improvements in JSF 1.2

Apache MyFaces

<http://myfaces.apache.org>

- Open source JSF implementation.
- Easy to install and configure.
- Additional JSF component frameworks.
- Official sources:
<http://www.apache.org/dist/myfaces/source/>
- Official binaries (including examples):
<http://www.apache.org/dist/myfaces/binaries/>

Simple Login Application (from scratch)

- We will use **blank.war** from MyFaces core examples as guideline.
 - 1) Create basic WAR structure.
 - 2) Copy JSF jar files from **blank.war** to our app.
 - 3) Create the managed bean **LoginBean.java**.
 - 4) Create the necessary jsp pages.
 - 5) Modify **faces-config** and **web.xml**.
 - 6) Deploy and enjoy :)

Overview of core JSF components

See external resource „[jsftags-guide.html](#)“
located in „[external](#)“ folder.

Tomahawk components

- Tomahawk is a JSF library which provides extensions to existing components as well as introduces new components.

Some useful features provided by Tomahawk:

- Additional „page“ scope for managed beans (client save state pattern).
- Paging and sorting for data tables.
- Tree component.

Overview of Tomahawk components

See examples provided by the Apache community located at [tomahawk examples binary download](#).

Drawbacks in JSF 1.1

- JSF EL is incompatible with JSP EL
- There is no straight forward way to execute application logic before the page is loaded.
- There is no straight forward way to validate only part of the page.
- It is not straight forward process to define custom error messages.
- No straight forward way to create composite components.

Improvements in JSF 1.2

- Unified EL for both JSP and JSF.
- It is possible to mix JSTL with JSF.
- Better error messages support.
- Multiple renderer kits.

JSF 1.2 example

- Simple kickstart application which shows how to run Sun RI of JSF 1.2

Additional resources:

- Apache MyFaces site:
<http://myfaces.apache.org>
- Sun Reference Implementation download:
<https://jaserverfaces.dev.java.net/>