



Spring Security

Beginner to Guru

Spring Security Tag Libraries



Spring Security Tag Libraries

- Spring Security provides a tag library for working with JSP Templates
- Thymeleaf provides a tag library with feature parity for Thymeleaf templates
 - Features and functionality are the same between JSP and Thymeleaf
- We will focus on Thymeleaf examples
 - Requires dependency `org.thymeleaf.extras:thymeleaf-extras-springsecurity5`
 - Add namespace: `xmlns:sec="http://www.thymeleaf.org/extras/spring-security"`





Tag Library Features

- Spring Security Expression methods in SPeL exposed - ie `hasRole()`, `hasAnyAuthority()`, etc
- Authentication object available - implementation of Spring Security Authentication interface
- Tag `sec:authentication="xxxx"` - outputs value of named property
- Tag `sec:authorize="expr"` or `sec:authorize-expr="expr"` - renders element based on SPeL expression
- Tag `sec:authorize-url="url"` renders element if user is authorized to view url
- Tag `sec:authorize-acl="object :: permissions"` renders element based on ACL permissions





Login Form

- In this section we will add a login form to the index page.
 - Configure Spring Security to use Login form
 - Show login form if not logged in, redirect to login form on unauthorized access
 - Hide login form and show logout link if logged in



Tag Library Features

- Update Application to show or hide menu options and buttons based on user permissions

