

Spring Security

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Winter Term 2018



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Spring security offers the following annotations:

`@PreFilter` for filtering input list based on security constraints expressed in SpEL.

`@PostFilter` for filtering output list based on security constraints expressed in SpEL.

`@PreAuthorize` for authorizing method execution based on security constraints expressed in SpEL.

`@PostAuthorize` for authorizing return from the method execution based on security constraints expressed in SpEL.

Become familiar with these annotations (EAR lectures, Spring web) before starting the following tasks. Refer to the Spring web pages [?] and [?] for details.



Tasks



Authorization

Check out branch *b181-seminar-10-task* of the e-shop project (<https://gitlab.fel.cvut.cz/ear/b181-eshop>).

- (1pt) Make sure the code is compilable, the application context is loaded properly and all tests pass.
- (1pt) Implement method security on methods in the service layer. Search for TODOs.



References

 **Spring Expression Language.** Spring. [https:](https://docs.spring.io/spring/docs/4.3.12.RELEASE/spring-framework-reference/html/expressions.html)

[//docs.spring.io/spring/docs/4.3.12.RELEASE/spring-framework-reference/html/expressions.html](https://docs.spring.io/spring/docs/4.3.12.RELEASE/spring-framework-reference/html/expressions.html)

 **Expression-Based Access Control.** Spring.

<https://docs.spring.io/spring-security/site/docs/3.0.x/reference/el-access.html>

 **EAR Seminars.**

<https://cw.fel.cvut.cz/wiki/courses/ear/seminars>

