

# Web Engineering

## Security

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# Authenti- cation

Authentication is the process of verifying who you are. When you log on to a PC with a user name and password you are authenticating.

# Authenti- cation

Authorization is the process of verifying that you have access to something. Gaining access to a resource (e.g. directory on a hard disk) because the permissions configured on it allow you access is authorization.

# Authorization

# User

- username
- password
- ...

User

Role

The **Spring Security** plugin uses an *authority* class to represent a user's roles in the application. In general this class restricts URLs to users who have been assigned the required access rights. A user can be granted multiple roles to indicate various access rights in the application, and should have at least one.

grails s2-quickstart

# Grails CLI

<https://docs.grails.org/latest/guide/gettingStarted.html>

## Grails CLI

Creates a user and role class (and optionally a requestmap class) in the specified package. See [here](#).

## s2- quickstart



# Grails CLI

Checkout `feature/security` branch (after a `git fetch upstream` if needed). Have a look at following parts:

## s2-quickstart

- `build.gradle`
- `BootStrap`
- `resources.groovy`
- `application.groovy`

## feature/ security

# Exercises

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- Make `/dbconsole` *publicly* accessible
- How are passwords stored in the database?
- Current user and logout on *main.gsp* using `<sec:ifLoggedIn>`
- Setup a new user `admin` which has role `ROLE_ADMIN`
- Make users manageable for principals having role `ROLE_ADMIN`
- Write integration tests for `UserController`
- How to beautify the login view (`login/auth.gsp`)

# Links

# Links

- [Eine kurze Frage an T-Mobile Österreich endete für den Mobilfunkanbieter im Fiasko](#)
- [Grails Basic Auth](#)
- [How to do user login, logout and signup in GRAILS 3](#)
- [Spring Security Core Plugin](#)
- [Spring Security UI Plugin](#)
- [How to integrate it into my project?](#) (review the last commits)