

## Angular vs. JQuery

### General part

- We have introduced two different JavaScript libraries/frameworks this semester. Explain the differences/purposes of both
- Explain the term DOM related to browsers
- Explain the Benefits from designing Single Page Applications
- Explain the benefit from having a backend that exposes all data to clients via a REST-API

### Practical part

Unpack and open the project found in *AngularJQuery.zip*. This is a plain NetBeans Web-project

The files you should care about in the project are:

Folder	File
Source Packages model	<b>DataFactory.java</b> This file provides a single public method <code>getMembersAsJson()</code> which will provide you with an Json-version of the data needed for this exercise (right click the file, and select run).
Web Pages	<b>tableAngular.html</b> This is where you should place your Angular Code <b>tableJQuery.html</b> This is where you should place your JQuery Code

In this exercise you must create two "identical pages, using two different strategies:

- 1) Create a GET REST-service which can deliver the JSON member list you get from the DataFactory.
- 2) Create a table (in `tableAngular.html`) using AngularJS and data obtained via the REST-Service implemented in step-1
- 3) Create an "identical table" (in `tableJQuery.html`), this time using JQuery<sup>1</sup>
- 4) If you have time, include the friends part as a link in the table, and come up with a way to visualize friends when the link is clicked (only for the Angular-version).

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<sup>1</sup> If you lack time, it will be sufficient, to add only a single column, to demonstrate how you do it with plain JQuery,