

# Angular Basics

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# Overview

- A set of lectures to teach the basics of Angular
- Each lecture will cover some theory and then demonstrate the explained concepts live by building a test project
- The test project will be upgraded with each lecture
- Additional exercises :)

# **Lecture 1:**

# **Architecture Overview &**

# **How to start**

# What is Angular

- PLATFORM to build applications on the web
- Written in TypeScript
- Combines dependency injection, declarative templates and integrated best practices to solve development challenges
- Completely redesigned AngularJS

# Architecture: Modules

- Basic building block of any angular application
- Combine related code into functional sets that can be exported and reused
- Every app has at least one ROOT module that enables bootstrapping
- Applications can have feature modules that add additional functionality

# Architecture:

## Components and Services

- Components and Services are the building parts of every module
- Components define views, which build the application UI
- Services are used by components to provide specific functionality that is not related to views

# INTRO

- Github Repository: <https://github.com/martindobrev/nb-angular-tutorial>
- Check out the releases for CHECKPOINTS
- REST API Available at <http://157.230.111.161:8000>
- Swagger API Docs: <http://157.230.111.161:8000/swagger-ui.html>

# Homework

- 1. Encapsulate the list of articles as a separate component (like article-detail)
  - solution available in git (tag v1.4 or latest master)
- 2. (OPTIONAL) Display featured articles in a carousel element on place of the JUMBOTRON  
<https://getbootstrap.com/docs/4.2/components/carousel/>

*\* Additional JavaScript files shall be added to the project*



**THE END**

**Danke für die Aufmerksamkeit :)**

# Resources

- Angular Docs: <https://angular.io/docs>
- NG CLI Docs: <https://angular.io/cli>
- Bootstrap: <https://getbootstrap.com/docs/4.2/getting-started/introduction/>
- Tutorial Github Repo: <https://github.com/martindobrev/nb-angular-tutorial>
- Tutorial Notes GIST: <https://gist.github.com/martindobrev/a5524ac6aecc2c15945ca727d1d85f18>