Angular JS Introduction

Telerik Software Academy
http://academy.telerik.com
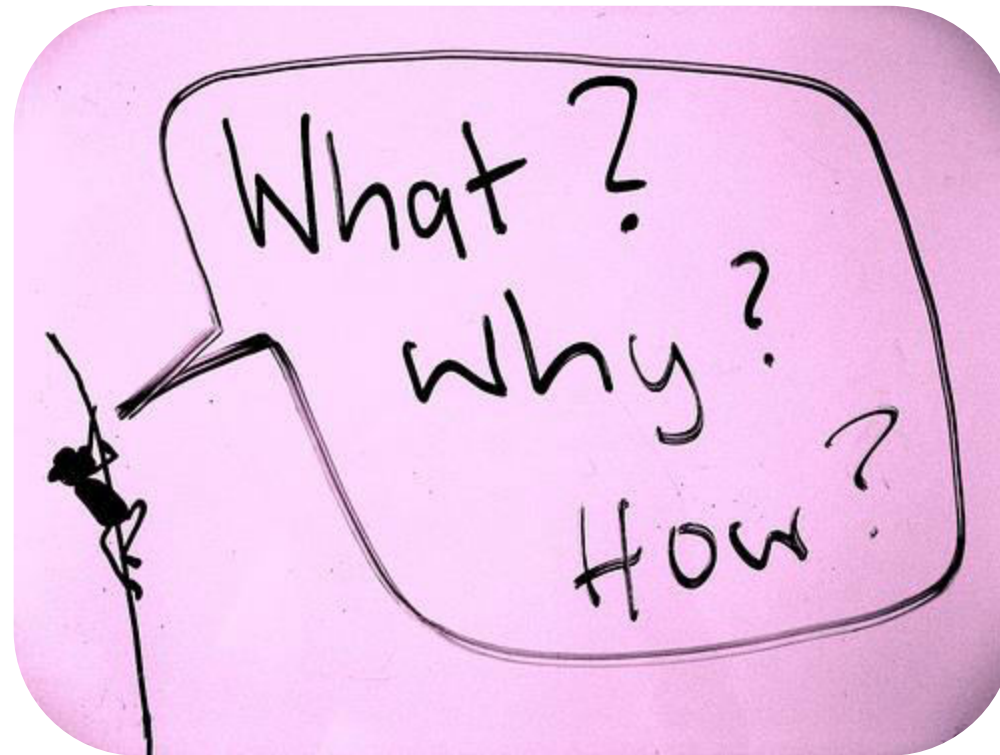
Table of Contents

- What, why, who and how?

- Resources

- Hello World application

- Where to start – Angular Seed

- Modules and ngApp

Telerik

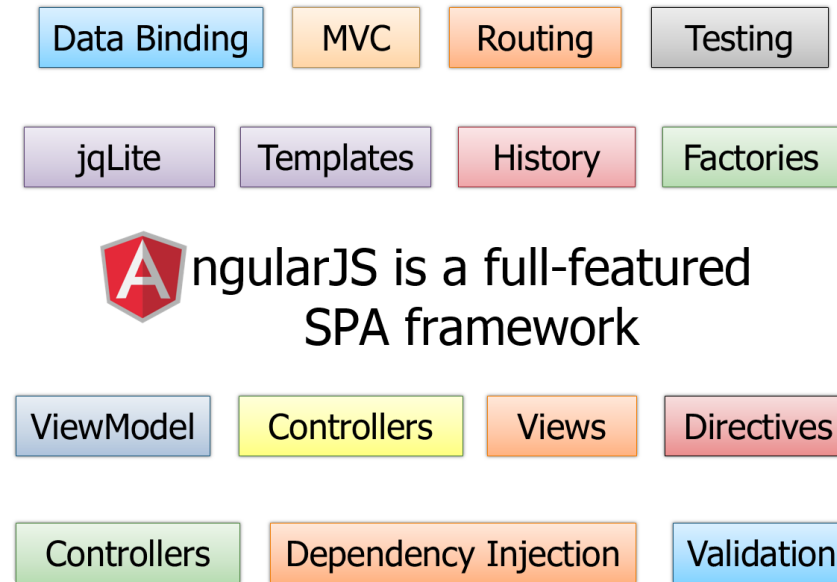# What, why, who and how?

What, why, who and how?

- MV*-based JavaScript framework
  - Model – represents data
  - View – represents information to the user
  - * - can be controller, presenter, view model

What, why, who and how?

- Angular JS features:
  - MV*
  - Open Source
  - Comprehensive
  - Testable
  - Extends HTML
  - Forward Thinking

| Data Binding | MVC | Routing | Testing |
| jqLite | Templates | History | Factories |

AngularJS is a full-featured SPA framework

| ViewModel | Controllers | Views | Directives |

| Controllers | Dependency Injection | Validation |

Telerik

What, why, who and how?

- ## Angular JS architecture:
  - Two-way binding
  - [Dirty checking](#)
  - [Dependency injection](#)
- ## Angular components
  - Services
  - Controllers
  - Views / Directives

Resources

Resources

- http://angularjs.org/
- http://docs.angularjs.org/api
- https://github.com/jmcunningham/AngularJS-Learning
- http://fastandfluid.com/publicdownloads/AngularJSIn60MinutesIsh_DanWahlin_May2013.pdf
- https://www.youtube.com/watch?v=i9MHigUZKEM

Telerik

Hello World Application
Live Demo

Tools

- ## We will use:
    - AngularJS 1.3.0-rc.2 (latest version)
    - Command Prompt (for server purposes)
    - WebStorm (you can use any IDE)
    - NodeJS (server-side technology)

Angular Seed

- ## What is Angular Seed:
  - Official starting point template
  - Works for small startup applications
  - It has good organization and architecture
  - Comes with basic server (NodeJS)
  - Get it from: https://github.com/angular/angular-seed

Angular Seed Modification

- ## Modify Angular Seed
    - Remove not-needed files
    - Add jQuery, UnderScore.js, Bootstrap
    - Get server ready
    - Add folder for Controllers, Directives, etc.

Telerik

Modules and ngApp

Angular Modules and ngApp

- ## Modules

  - Like different applications
  - Used only where needed in the HTML
    - // JavaScript
    - var myApp = angular.module('myApp', ['dep_1', 'dep_2']);

```
// HTML
<div ng-app="myApp">
  <div ng-controller="myController">
    <h1>{{header}}</h1>
  </div>
</div>
```

Telerik

Angular JS Introduction

Questions?