

Angular II: Advanced techniques

Course code: JS_ANGULAR2

This course is designed for TypeScript programmers who want to deepen their knowledge of front-end application development using the Angular library. Participants will learn advanced data presentation and form creation techniques, as well as advanced component communication and dependency injection techniques. The course assumes knowledge of TypeScript at the course level [JS_TS1] and knowledge of the Angular library at the course level [JS_ANGULAR1].

For whom the course is intended

- This course is designed for Angular application developers who want to deepen their knowledge of the platform to optimize performance and improve the architecture of their applications.

What we will teach you

- Advanced data presentation techniques
- Advanced techniques for forms
- A detailed overview of the component and directive lifecycle
- Advanced component collaboration techniques
- Detailed operation of dependency injection

Required Entry Level Knowledge

- Basic knowledge of algorithmization and programming at the level of the PRG course, or experience programming in another language.
- The course is not suitable for complete beginners who have never programmed in any programming language

Course outline

Advanced data presentation

- ng-template
- ng-container
- custom structural directives
- async pipe
- @defer blocks

Advanced forms

- validation directives for template forms
- asynchronous validation
- dynamic behavior changes for reactive forms

Component and directive lifecycles in detail

- ngDoCheck
- ngAfterContentInit
- ngAfterContentChecked
- ngAfterViewInit
- ngAfterViewChecked
- afterNextRender
- afterRender

Hosting elements

- What is a guest element
- @HostBinding
- @HostListener
- collision

Queries on child components

GOPAS Praha

Kodářská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



Copyright © 2020 GOPAS, a.s.,
All rights reserved

Angular II: Advanced techniques

- Content queries
- Locators
- Static Queries

Advanced directives

- Structural directives
- Host Directive
- Directive Composition

Dependency injection

- Injection tokens in detail
- Hierarchy of injectors

Optimization

- Signals
- Inputs as signals
- models
- queries

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



Copyright © 2020 GOPAS, a.s.,
All rights reserved