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].

Affiliate	Duration	Course price	ITB
Praha	5	27 500 Kč	50
Brno	5	27 500 Kč	50
Bratislava	5	1 100 €	50

The prices are without VAT.

Course terms

	Date	Duration	Course price	Type	Course language	Location
☂	23.03.2026	5	27 500 Kč	Telepresence	CZ/SK	GOPAS Praha
☂	23.03.2026	5	1 100 €	Telepresence	CZ/SK	GOPAS Bratislava
☂	23.03.2026	5	27 500 Kč	Telepresence	CZ/SK	GOPAS Brno

The prices are without VAT.

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

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- 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
- 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