

# Angular I: Basics

Course code: JS\_ANGULAR1

This course is designed for programmers who know the basics of TypeScript and want to learn how to use the Angular library services in their front-end web applications. You will learn, among other things, to use data binding, html templates, validate input data or interact with back-end APIs, but also to design architecture for large Angular applications composed of many components and services. The course assumes knowledge of the DOM object model in the browser at the course level [JS\_DOM1] and knowledge of TypeScript at the course level [JS\_TS1].

| Affiliate  | Duration | Course price | ITB |
|------------|----------|--------------|-----|
| Praha      | 5        | 25 500 Kč    | 50  |
| Brno       | 5        | 25 500 Kč    | 50  |
| Bratislava | 5        | 1 020 €      | 50  |

The prices are without VAT.

## Course terms

|      | Date       | Duration | Course price | Type         | Course language | Location         |
|------|------------|----------|--------------|--------------|-----------------|------------------|
| ☀️ 📺 | 17.08.2026 | 5        | 21 675 Kč    | Telepresence | CZ/SK           | GOPAS Brno       |
| ☀️ 📺 | 17.08.2026 | 5        | 867 €        | Telepresence | CZ/SK           | GOPAS Bratislava |
| ☀️ 📺 | 17.08.2026 | 5        | 21 675 Kč    | Telepresence | CZ/SK           | GOPAS Praha      |
| 📺    | 23.11.2026 | 5        | 25 500 Kč    | Telepresence | CZ/SK           | GOPAS Brno       |
| 📺    | 23.11.2026 | 5        | 1 020 €      | Telepresence | CZ/SK           | GOPAS Bratislava |
| 📺    | 23.11.2026 | 5        | 25 500 Kč    | Telepresence | CZ/SK           | GOPAS Praha      |

The prices are without VAT.

## For whom the course is intended

- This course is designed for students who want to learn the basics of front-end web application development using the Angular framework.

## What we will teach you

- The architecture and nomenclature of the Angular library
- Create front-end applications for data collection, validation and presentation
- Manage user events using the Angular library
- Create custom Angular components and share state between them
- Use template and reactive forms
- Interact with back-end APIs using the Angular library
- Use lazy loading components and advanced routing

## Required Entry Level Knowledge

- Course-level TypeScript syntax [JS\_TS]
- Course-level knowledge of DOM objects [JS\_DOM1]

## Course outline

Introduction to Angular

- What is Angular
- Why TypeScript

The development environment

**GOPAS Praha**  
Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Brno**  
Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Bratislava**  
Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2026 GOPAS, a.s.,  
All rights reserved

# Angular I: Basics

- Hello World
- Project Structure

## Library Architecture

- Modules, components, templates
- Modules vs stand-alone components
- Decorators and metadata
- Directives
- Services and dependency injection

## Data presentation

- Data binding and expressions
- Directives and flow control blocks in templates
- Conditional Renovation
- re-rendering
- CSS, style, class

## Interaction with the user

- Events and event handlers
- \$event object

## Working with forms

- Reference variables in templates
- Template forms
- Reactive forms

## Directives

- Creating attribute directives

## Component collaboration

- Inputs and outputs
- Services and dependency injection
- Signals

## Communication with the backend

- Angular HTTP client
- Observable and rxjs

## Navigation (routing)

- Basic navigation
- Nested routs
- Parametric routs
- Lazy loading

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2026 GOPAS, a.s.,  
All rights reserved