AngularDev

Angular

Angular

AngularDev - Version: 4

🕐 4 days Course

Description:

The Angular team made the wise but difficult choice of starting over with Angular 2, rather than just patching the mature but increasingly fragile framework. From now on, it's Angular -- not Angular 1, 2, or 4. The new version is based on a modern approach, which prefers a more composable component model, reactivity, predictable data flows, type safety, embracing the wider ecosystem, and other current conventions and best practices. These changes represent a significant paradigm shift that is taking over the whole ecosystem. This Course introduces this new paradigm that underlies Angular, helps you set up a productive development environment, and teaches you how to build a well-structured app with Angular modules, components, services, pipes, forms and routing.

Intended audience:

front end developers with good knowledge in o.o javascript

Prerequisites:

Objectives:

Develop modern, complex, and scalable web applications with Angular
Describe the architecture behind an Angular application and how to use it
Gain deep understanding of the Agular fundamentals to quickly establish yourself as a frontend developer

Create single-page applications with one of the most modern JavaScript frameworks

Topics:

Typescript & ES2015

- Ecmascript 2015
- Typescript

Angular Introduction

- Getting Started
- Development Environment
- Angular Architecture & Concepts

Component & Modules

- Components Overview
- Angular Modules
- Basic Components
- Application Bootstrapping
- Component LifeCycle

Data Binding

- One-Way Data Binding
- Interpolation
- Property Binding
- Event Binding
- Special Bindings

- Two-way Data binding
- ngModel

Directives

- Directives Vs. Components
- Attribute Directives
- Structural Directives

Modules & Component Composition

- Component Input Properties
- Event Emitters
- Component Output Properties
- Custom Events
- Modules Composition
- Root vs. Feature Modules

Services & Dependency Injection

- Dependency Injection in Angular
- The injectable Decorator
- Services & Providers
- Understanding Hierarchical Dependency Injection

HTTP

- RxJS & Observables Overview
- Http Client
- Making Http Requests

- Handling Http Responses
- Error Handling
- Interceptors

Angular Routing

- Routing Configuration
- Router Directive
- Child Routes
- Route Guards

Pipes

- Common Pipes
- Custom Pipes
- Pure & Impure Pipes
- The Async pipe

Angular Forms

- The Forms Module
- Template Drive Forms
- State and Validity
- Visual Feedback
- Model Driven Forms (Reactive Forms)

Components & Directives In Depth

- Parent to Child Interaction
- Child to Parent interaction

- Content Projection
- Custom Directives