Angular

Description

Discover how to master Google's Angular Framework

This Angular training offers web developers valuable experience in creating high-performing and responsive web applications using Google's Angular framework. Participants will learn how to develop and deploy professional applications with Angular. They will also discover the best Angular development practices and have the opportunity to apply their knowledge through hands-on exercises.

We help you gain autonomy with our Angular training

This 3-day Angular course will ultimately enable you to create and deploy an Angular application using the Angular CLI.

Reference
ANGULAR
Course Content
Module 1: QuickStart

- Installation
- Configuration
- Angular Architecture

Module 2: Angular CLI (Command Line Interface)

- Overview and Installation
- Usage

Module 3: Components

- Overview
- Component-Based Architecture
- Templates, Styles, and View Encapsulation
- Content Projection
- Lifecycle Hooks

- View and Content Children
- Wrapping Up

Module 4: Built-in Directives

- Overview
- NgFor
- NgIf & NgSwitch
- NgStyle & NgClass
- Structural Directives

Module 5: Custom Directives

- Overview
- Creating a Custom Directive

Module 6: Pipes

- Overview
- Built-in Pipes
- Asynchronous Pipes
- Custom Pipes

Module 7: Forms

- Overview
- Model-Driven Approach
- Model-Driven Form Validation
- Form Submission and Reset
- Reactive Model-Based Forms
- Template-Based Forms

Module 8: Advanced Validators

- Custom Form Validators
- Configurable Custom Form Validators

Module 9: Dependency Injection and Providers

- Overview
- Injectors

Module 10: Routing

- Overview
- Route Configuration
- Navigation
- Parameterized Routes
- Nested Routes
- Route Guards
- Routing Strategies

Module 11: Unit Testing

- Overview
- Jasmine & Karma
- Classes and Pipes
- Mocks & Spies
- Angular Test Bed
- Change Detection
- Asynchronous Code
- Dependency Injection
- Components
- Directives

Module 12: HTTP

- Overview
- HTTP Core API (Part 1) Configuration
- HTTP Core API (Part 2) Usage
- HTTP with Observables (Part 1) - Basic Observables
- HTTP with Observables (Part 2) - Full Observable Workflow

Module 13: Reactive Programming with RxJS (if time permits)

- Overview
- Streams and Reactive Programming
- Observables & RxJS
- RxJS and Angular
- Wrapping Up

Documentation

- Digital courseware included

Participant profiles

- Full-Stack Web Developers
- Front-End Web Developers

Prerequisites

- To have followed the course Typescript or equivalent knowledge
- Experience of web development with HTML and JavaScript / ECMAScript
- Object Oriented programming experience would be useful

Objectives

- Code TypeScript language features
- Explore Angular coding and architecture best practices
- Understand and use Angular Forms, Observables, Dependency Injection, and Routing
- Retrieve, update, and delete data using Angular's Http service
- Unit test all the parts of an Angular application including Modules, Components, Services, and Pipes
- Create, build, and deploy an Angular application
- Develop reusable elements (even out of angular applications)
- Develop dynamic Model-driven forms that are easier to unit test

Description

Angular Training
Niveau
Intermédiaire
Classroom Registration Price (CHF)
2300
Virtual Classroom Registration Price (CHF)
2150
Duration (in Days)
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