Advanced Angular 5 Using TypeScript
Low-Level Details, Animation, DI, Security, Renderer, Platforms, i18N, ServiceWorker, Universal

It is in the more advanced capabilities of Angular that we see it distancing itself from simpler frameworks and results in it being more and more selected for large-scale important projects that needs a stable, powerful framework as the basis for long-term innovation.

Angular offers a well thought out security architecture, its configurable platforms means alternative rendering approaches may be supported (e.g. from a web worker), dependency injection means components can be swapped in and out over time and a wonderful routing engine provides browser-side navigation for views.

Developers already familiar with using Angular to build UI apps will find this advanced course of particular interest as it comprehensively explores how to leverage the rich feature set of the Angular Framework to build more innovative applications that distinguish themselves from the competition in rendering performance and the flexibility of what they offer users.

Attendees will also benefit from this course's coverage of more specialist Angular topics, such as animation and internationalization, and lesser known but important auxiliary projects, such as ServiceWorker & Universal.

Contents of One-Day Training Course

Target Audience
Angular and TypeScript developers wishing to explore more deeply how to leverage the more advanced capabilities of the Angular Framework.

Prerequisites
Attendees should have attended our *"Angular 5 Fundamentals Using TypeScript"* course or have equivalent experience.

Angular System Programming
Closer look at low level details of how
  Angular apps actually run
Use of zones in Angular
NgModules

Animation
Transitions
States
Triggers

Lazy Loading
For large applications, loading everything
  at startup is costly
How can we postpone loading some
  functionality until/unless it is needed

Dependency Injection
Excellent for testing
Hierarchical DI built into Angular
Provides greater flexibility in how a well
  structured app can evolve into future

Angular Security
XSS
CSRF
Security contexts
Sanitizers
Content Security Policy (CSP)

Angular Router Fundamentals
Browser-based editing of address bar URI
Setting up routes using the Router Service
Router outlet

Advanced Angular Router
State management
Handling routing events
Use of guards

Rendering
Rendering pipeline
Customizing rendering
Logging rendering information
How custom renderers get loaded
DOM usage
Shadow DOM

Alternative Platforms
Role of platforms
Web workers and Angular
[Client|Service]MessageBroker
EventDispatcher
Building your own platform

Internationali[z|s]ation
Use of internationalization API
i18n select pipe
Plural pipe
Creating a single source tree for a
  multi-lingual application

ServiceWorker and PWA
Angular and progressive web apps
Service Worker
ServiceWorkerModule, swPush, swUpdate

Angular Universal
Running Angular on the servers
Good for search engines
Good for fast first load of page in browser

App Architecture
Domain model for Angular apps
End-to-end app architecture

Project
Building large scale app using many of
  the features of Angular we discussed

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please email training@clipcode.com