

# Angular

Our **Angular Training Course** is intended for front-end developers who are familiar with Javascript and want to master Angular to move a gear up. Angular is the leading framework for building dynamic JavaScript applications that take advantage of the capabilities of modern browsers and devices. The course is updated for Angular4+ .

## Prerequisites

[JavaScript](#)

## Further training

[Node.JS](#)

[MEAN Stack](#)

[Ionic](#)

## Intended Audience

Front end developers who found that JavaScript is inadequate to develop a rich, fully-fledged front-end. Our Angular Training Course starts with the MVC pattern and the many benefits that can be gained from separating your logic and presentation code. We then start from the nuts-and-bolts and building up to the most advanced and sophisticated features Angular, going in-depth to

## Course material:

### DAY 1

#### Getting Started

- Plunker
- Intro to TypeScript .
- Writing our first app.

- String Interpolation
- Looping
- Property & Event Binding
- Domain Model
- Nesting Components & Inputs .
- User Interaction & Outputs
- ES6 JavaScript & TypeScript Overview

## **DAY 2**

### **Angular CLI**

#### **Components**

- Architecting with Components
- Templates, Styles & View Encapsulation
- Content Projection
- Lifecycle Hooks
- ViewChildren & ContentChildren

#### **Built-in Directives**

- NgIf & NgSwitch.
- NgStyle & NgClass .
- NgNonBindable
- Structural Directives.

## **DAY 3**

### **Custom Directives**

- HostListener & HostBinding
- Inputs & Configuration

### **Reactive Programming with RxJS**

- Streams & Reactive Programming
- Observables & RxJS .
- RxJS & Angular

### **Pipes**

- Built-in Pipes
- Async Pipe .
- Custom Pipes

## DAY 4

### Forms

- Model Driven Forms
- Model Driven Form Validation
- Submitting & Resetting
- Reactive Model Form
- Template Driven Forms

### Dependency Injection & Providers.

- Injectors
- Provider
- Tokens
- Configuring Dependency Injection in Angular
- `NgModule.providers` vs `Component.providers` vs `Component.viewProviders`

## DAY 5

### HTTP

- Core HTTP API
- HTTP Example with Promises .
- HTTP Example with Observables . . . .
- JSONP Example with Observables.

### Routing

- Route Configuration . .
- Navigation.
- Parameterised Routes
- Nested Routes .
- Router Guards
- Routing Strategies

## **Unit Testing Overview**

### **Duration and pricing**

In [Pricing Group A](#)

### **Certificate**

- Upon completion of this course we will issue you with attendance certificate to certify your attendance and / or completion of the prescribed minimum examples.
- You may sit for our competency assessment test and on passing you will obtain our competency certificate.
- Our competency assessment can be booked and taken by someone who has not attended the course at a cost of R2950.

### **Bookings**

You can download the course registration form on our home page or by clicking [here](#)

### **Brochure**

You may download a pdf copy of this page by clicking on the pdf icon at the top of the page.

### **Questions**

Please [email us](#)

### **Schedule**

On the calendar below. If your browser doesn't display the calendar below, please click on [this link](#) or try using [Google Chrome](#), alternatively please enquire via our [Contact Us](#) page.