

Price: R4,500.00 excl. VAT
Duration: 2 days
Code: ANGJS

Angular Development

Description

Angular is an open-source framework for developing web applications. It is one of the most important cross-platform frameworks today, and is maintained i.a. by Google. Angular reduces the amount of code developers have to write, and addresses many of the challenges encountered in developing single-page applications. It uses HTML as a template language, and is based on TypeScript.

Objectives

After you have completed the Angular workshop, you will be able to:

- Understand the role of Angular in application development.
- Understand the concept of MVC, and template-driven development.
- Write single-page applications using Angular.
- Maintain code for applications written using Angular.

Intended Audience

You should attend the Angular workshop if:

- You are a JavaScript programmer and you want or need to use Angular.
- You need to be able to support applications developed in Angular.
- You are a JavaScript programmer and you want to develop web applications.

Prerequisites

Before you attend the Angular workshop:

- You must have attended our HTML 5 and CSS course or have experience using HTML and CSS.
- You must have attended our JavaScript Programming course or already be comfortable programming in JavaScript.

Course Contents

Introduction

- The concept of a framework.
- Angular versions.
- Cross-browser compatibility.
- Single-page applications.

Fundamental Concepts

- Anatomy of an Angular app.
- The MVC pattern.
- Differences in JavaScript syntax.
- Dependency injection.

Angular Components

- Templates, styles and view encapsulation.
- Content projection.
- Reusable components.
- Lifecycle hooks.

- ViewChildren and ContentChildren.

Data Binding

- Model-driven forms.
- Template-driven forms.
- Form validation.
- Filters.

Directives

- Built-in directives.
- Custom directives.

Controllers and Scopes

- Side-by-side controllers.
- Nested controllers.
- Scopes.

Other Topics

- Modules and services.

*** The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.*