Angular 16 Templates and Components

Two Day Boot Camp

Short Overview

Angular is a JavaScript framework designed and developed to support front-end applications, browser-based applications. Angular ships with a boilerplate app already built in. It is secure, robust, and reliable. Angular is open-source. It was developed by Alphabet for creating dynamic modern web apps and SPAs. Angular uses TypeScript for the supporting code and regular HTML for the front end. Development is based on Components. This bootcamp will introduce you to Angular by expanding the boilerplate app. We cover components, templates, directives and other DOM features.

Audience

Newer JavaScript programmers with at least 2 years working experience. This boot camp is only for JavaScript programmers or those working with the language regularly. Any JavaScript programmer with more than 2 years' experience but have never worked with Angular will also benefit.

Objectives:

After completing this course participants will be able to:
- Create a boilerplate Angular application
- Add components to an existing application
- Establish communication between templates and components
- Work with directives to manipulate the DOM

Topics

Day01

     part 01 – NG16 Setup
     part 02 – HTML Element Objects
     part 03 – Event Binding
     part 04 – Property Binding
     part 05 – Data Binding
     part 06 – Two-Way Binding
     part 07 – Selector as Attribute and as Class
     part 08 – Introduction to Directives
     part 09 – Introduction to Components
     part 10 – Components Child to Parent Communication (Static Data)

Day02

     part 01 – Template variables and ng-template
     part 02 – Template reference to other DOM elements
     part 03 – @viewchild
     part 04 – Content projection with ng-content
     part 05 – Custom directive and renderer
     part 06 – Structural directives limitations
     part 07 – View encapsulation

Environment

We will be using the NodeJS environment to run all the examples and code in this bootcamp.
The instructor will be using a Linux VM along with VS Code.
Any OS will work if you are able to install NodeJS on it.
An online sand box is also available to Percipio users

Related Boot Camps

Introduction to Angular 16 Quick Start
Angular 16 Template-driven and Reactive Forms