

Introduction to Angular 16 Quick Start

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, forms, services and even connecting to an API back end.

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
- Use Reactive forms and add validation
- Interact with an API to get and post data
- Implement an interface

Topics

Day01

- Part 1 – NG16 Setup
- Part 2 –App configuration
- Part 3 – Routing
- Part 4 – Build a JSON server
- Part 5 – Add Bootstrap
- Part 6 – Reactive Forms
- Part 7 – Form Validation

Day02

- Part 1 – API Calls
- Part 2 - Observables
- Part 3 – Displaying data
- Part 4 – Making a POST request
- Part 5 – Logging in
- Part 6 – Persisting login
- Part 7 – Interface for data

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

- Angular 16 Templates and Components
- Angular 16 Template-driven and Reactive Forms