

Angular 16: Template-driven and Reactive Forms

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 Template Driven Forms and Reactive Forms.

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
- Build a template-driven form
- Code a reactive form
- Add validation to both types of forms
- Utilize Form Builder to create reactive forms

Topics

Day01

part 01 – NG16 code setup
part 02 – Supporting form code
part 03 – Form models
part 04 – Simple validation
part 05 – Adding email
part 06 – Select and radio buttons form control
part 07 – Additional template form features

Day02

part 02 – Form control validators

- part 03 – Form arrays
- part 04 – Form groups
- part 05 – Custom validation
- part 06 – FormBuilder (component)
- part 07 – FormBuilder (template)
- part 08 – Async validation

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 Templates and Components