



Course Syllabus

Angular Components and Templates

We are glad you have joined us for this course! Here is some information that will help you to navigate your learning platform and locate course content.

Joining the Session

Before the first live session please confirm that you can access Zoom:

1. Visit <https://support.zoom.us> and click on **Getting Started**.
2. Attn Percipio Users - The **Join live course** option is available where you registered for the session in Percipio 15 minutes prior to the start of class.

Course Description

Angular is an open-source JavaScript library/platform developed by Google for building dynamic single-page web applications. It allows developers to create complex UIs from small, isolated pieces of code called "components," which control their own state and updates. Angular's declarative nature and component-based architecture simplify the development of scalable and maintainable front-end applications.

This bootcamp focuses on the Component aspect of Angular. Components are at the heart of Angular and templates are the main focus of Components. This course will cover some of the common and most used parts of the Component mechanism of Angular. The course focusses on the core use of these Component features and not necessarily the application of these features in a production based app.

This bootcamp follows the Introduction to Angular bootcamp but it is not a requirement that you attend that bootcamp first.

Target Audience

Newer Angular and JavaScript programmers with at least 2 years working experience.

Objectives

- After completing this course participants will be able to create a project folder and complete starter files for an Angular project
- Participants will be able to start a simple Angular project
- Learners will be able to add components to an Angular application
- Users will be able to add interactivity to components
- Practice using common component features like binding, directives, control flow and pipes

Topics

Day01

NG20 setup
HTML element objects
Interpolation
Property binding
Event and two-way binding
Child/standalone component
Template reference variables

Day02

The viewchild() view query function
Content projection
Custom directive and renderer
Control flow
Pipes
(optional) @defer

Technical Support

We offer 24/7 support if you need assistance with your Percipio or Skillport learning platforms. To access support, click the initials of your profile and select “Help”.

Percipio

The screenshot shows the Percipio learning platform. At the top, there's a navigation bar with the skillsoft logo, a search bar, and various icons. On the left, a sidebar lists navigation links: Home, Library, What's New, My Learning, Live learning, Role Advisor, Certifications, Skill Benchmarks, AI Simulations, AI Assistant, My Settings, Help, and Log Out. The main content area features a "FEATURED VIDEO" section titled "Quality Assurance versus Quality Control" with a thumbnail image. Below this, there's a "Role Advisor" section with a button to "Visit your Role Advisor". To the right, there's a "LEARNING OF THE WEEK" section for "Skilling Strategy | Syllabus & Video" with an "Introductory" course and a "Start now!" button. At the bottom, a banner says "Recommendations for the Month".

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

OS - Ubuntu 22.04.2 LTS

NodeJS - v16.15.0

npm – 11.6.1 (or latest)

Angular 20.3.3