



Angular.1

▼ What is Angular?

Angular is a framework for building single-page client applications using HTML and TypeScript

▼ Angular is written in what?

TypeScript

▼ Main concepts?

- **components:** defined as specially decorated ES classes that are responsible for executing the application logic and rendering the template
- **services:** classes responsible for the implementation of business and application logic, used by components
- **modules:** essentially DI containers for wiring related components, services, pipes, and other entities together.

▼ Angular makes heavy use of what?

classes as well as concepts such as DI

▼ What is RxJS?

RxJS is a reactive programming library that allows for more flexible handling of asynchronous operations and events.

It's a combination of the Observer and Iterator patterns blended with functional programming.

RxJS allows you to treat anything like a continuous stream of values and perform various operations on it such as mapping, filtering, splitting, or merging.

▼ What is TypeScript?

TypeScript is a new language built on top of JavaScript and developed by Microsoft. It's a superset of JavaScript ES2015 and includes features from newer versions of the language.

You can use it instead of Babel to write state-of-the-art JavaScript.

▼ Angular components are organized into what?

NgModules

▼ What are NgModules?

NgModules collect related code into functional sets

▼ What do components define?

views, which are sets of screen elements

▼ What do components use?

services

▼ What are services?

they provide specific functionality not directly related to views

▼ Service providers can be injected into what?

components as dependencies

▼ Modules, components and services are what?

classes

▼ Classes use decorators for what?

to mark their type and provide metadata that tells Angular how to use them

▼ What is a template?

it defines a view

combines ordinary HTML with Angular directives and binding markup that allow Angular to modify the HTML before rendering it for display

▼ The metadata for a service class provides the information Angular needs to make it available to what?

components through dependency injection (DI)

▼ What is the Router service?

Angular provides the Router service to help you define navigation paths among views.

▼ What are decorators?

Decorators are functions that modify JavaScript classes, so that Angular knows what those classes mean and how they should work.

▼ What are template directives?

they provide program logic

▼ What is binding markup?

it connects your application data and the DOM

▼ What is a service class?

For data or logic that isn't associated with a specific view, and that you want to share across components, you create a service class.

▼ What is Event binding?

it lets your application respond to user input in the target environment by updating your application data

▼ What is Property binding?

it lets you interpolate values that are computed from your application data into the HTML

▼ What is Dependency injection (DI)?

it is used everywhere to provide new components with the services or other things they need