Angular Style Guide

Style Guide

Looking for an opinionated guide to Angular syntax, conventions, and application structure? Step right in! This style guide presents preferred conventions and, as importantly, explains why.

Style vocabulary

Each guideline describes either a good or bad practice, and all have a consistent presentation.

The wording of each guideline indicates how strong the recommendation is.

Do is one that should always be followed. *Always* might be a bit too strong of a word. Guidelines that literally should always be followed are extremely rare. On the other hand, you need a really unusual case for breaking a *Do* guideline.

Consider guidelines should generally be followed. If you fully understand the meaning behind the guideline and have a good reason to deviate, then do so. Please strive to be consistent.

Avoid indicates something you should almost never do. Code examples to *avoid* have an unmistakable red header.

Why? gives reasons for following the previous recommendations.

Angular Style Guide format

Single responsibility

Apply the *single responsibility principle* (SRP) to all components, services, and other symbols. This helps make the app cleaner, easier to read and maintain, and more testable.

Rule of One

Style 01-01

Do define one thing, such as a service or component, per file.

Consider limiting files to 400 lines of code.

Why? One component per file makes it far easier to read, maintain, and avoid collisions with teams in source control.

Why? One component per file avoids hidden bugs that often arise when combining components in a file where they may share variables, create unwanted closures, or unwanted coupling with dependencies.

Why? A single component can be the default export for its file which facilitates lazy loading with the router.

The key is to make the code more reusable, easier to read, and less mistake prone.

The following *negative* example defines the AppComponent, bootstraps the app, defines the Hero model object, and loads heroes from the server all in the same file. *Don't do this.*

```
app/heroes/hero.component.ts

1.  /* avoid */
2.  import { Component, NgModule, OnInit } from '@angular/core';
3.  import { BrowserModule } from '@angular/platform-browser';
4.  import { platformBrowserDynamic } from '@angular/platform-browser-dynamic';
5.
```