



Construção de telas utilizando componentes

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Elementos básicos de um app Angular

- 1 **Módulos** são classes utilizadas para agrupar e organizar os códigos do app Angular;
- 2 **Componentes** são os itens da interfaces com o usuário;
- 3 **Templates** são arquivos com marcações HTML que definem como o componentes será apresentado para o usuário;
- 4 **Serviços** são arquivos TypeScript responsáveis pelas regras de negócio do app Angular.

O que são componentes na plataforma Angular?

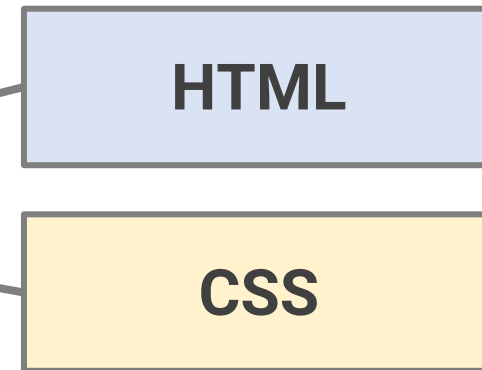
- São os itens visuais da interface com o usuário (UI);
- No Angular, todos os itens de interface são componentes;
- Os componentes são os principais blocos de construção de uma aplicação Angular;
- Um componente é formado por **três itens**: (1) um HTML que declara o que será renderizado na página, (2) uma classe TypeScript que define o comportamento do componente e (3) um CSS que define como o componente será apresentado.

Componente raiz (app.component.ts)

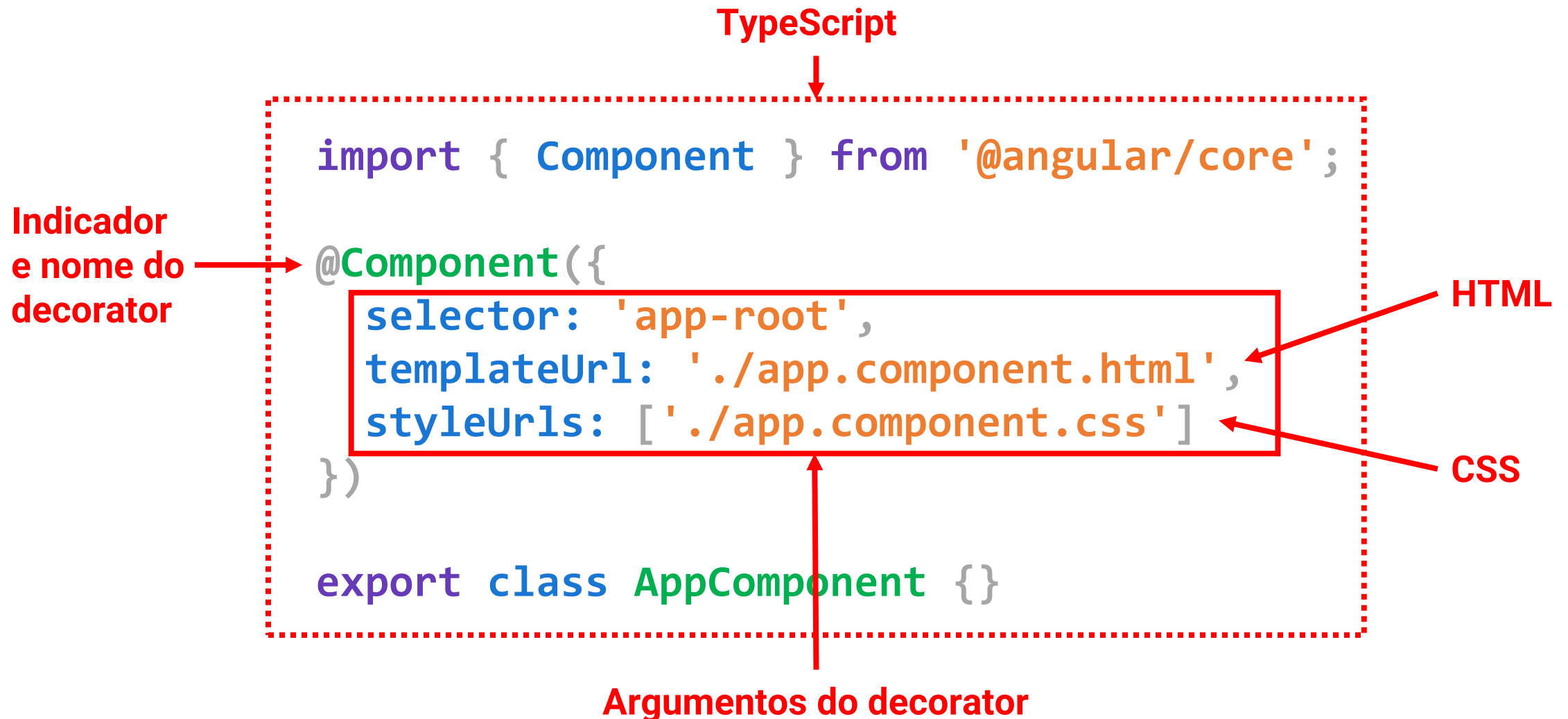
```
import { Component } from '@angular/core';
```

```
@Component({  
  selector: 'app-root',  
  templateUrl: './app.component.html',  
  styleUrls: ['./app.component.css']  
})
```

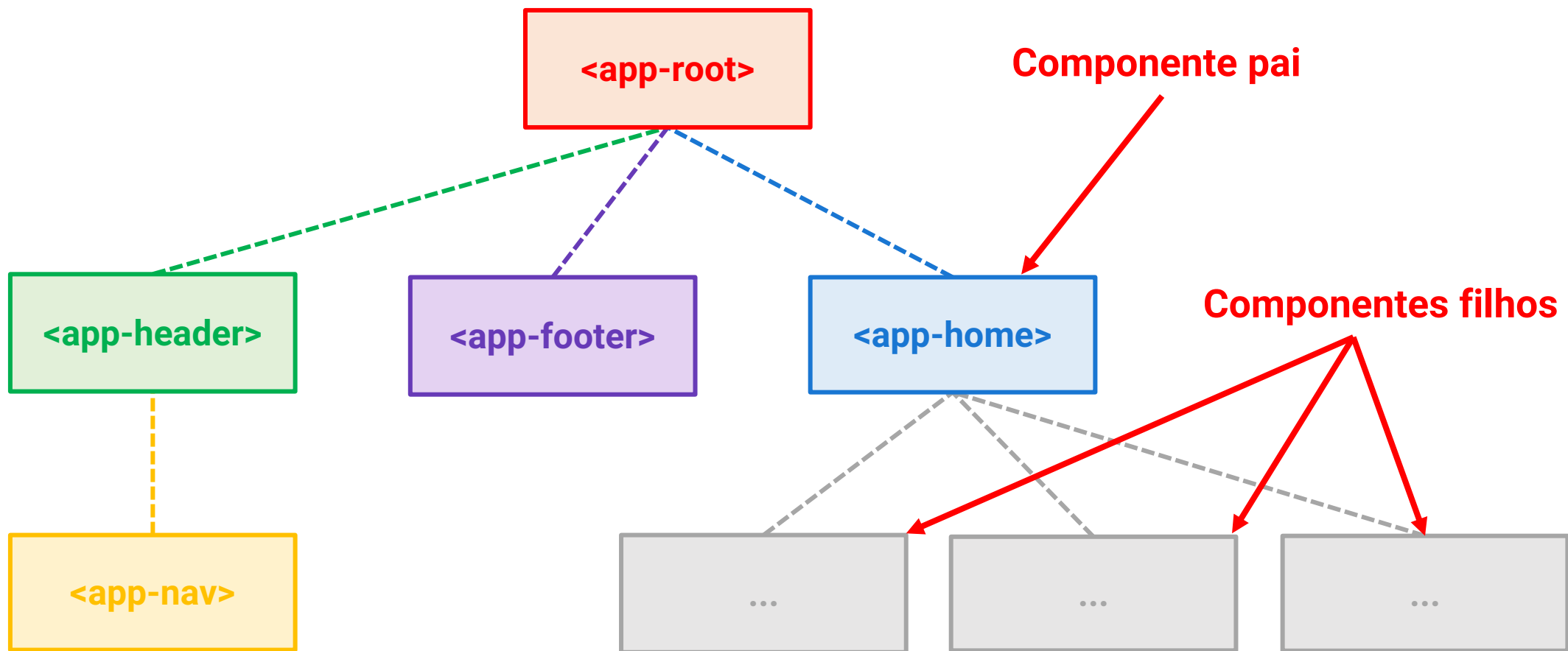
```
export class AppComponent {  
  title = 'Primeiro App!';  
}
```



Decorator **@Component** (app.component.ts)



Árvore de componentes



Componentes Angular Material

Autocomplete

Badge

Bottom Sheet

Button

Button toggle

Card

Checkbox

Chips

DatePicker

Dialog

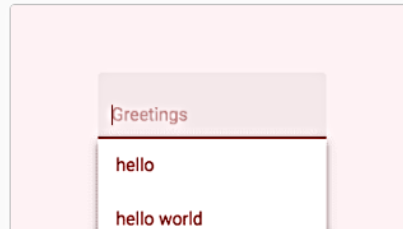
Divider

Expansion Panel

Form field

Grid list

Angular Material offers a wide variety of UI components based on the [Material Design specification](https://material.io/guidelines)



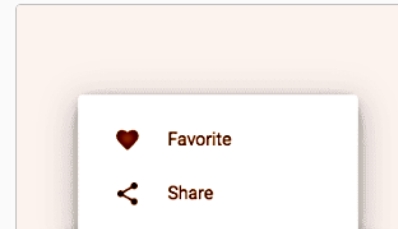
Autocomplete

Suggests relevant options as the user types.



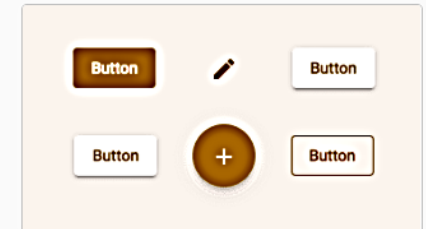
Badge

A small value indicator that can be overlaid on another object.



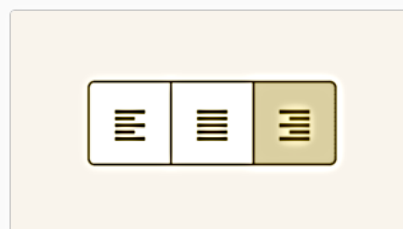
Bottom Sheet

A large interactive panel primarily for mobile devices.



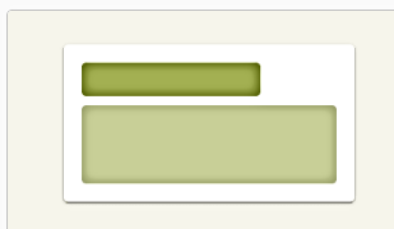
Button

An interactive button with a range of presentation options.



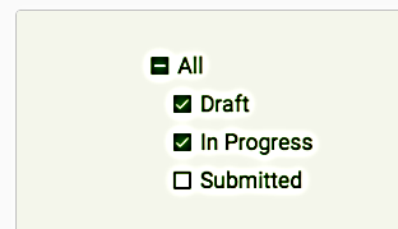
Button toggle

A groupable on/off toggle for enabling and disabling options.



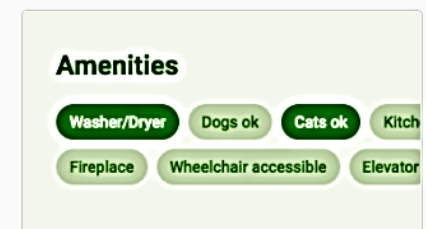
Card

A styled container for pieces of itemized content.



Checkbox

Captures boolean input with an optional indeterminate mode.



Chips

Presents a list of items as a set of small, tactile entities.

<https://material.angular.io/components>

Material Icons



Search



Done



Face



Settings



Check Circle



Fingerprint



Info



Favorite



Home



Help Outline



Account Circle



Android



Lightbulb



Delete



Flutter Dash



Accessibility



Shopping Cart



Language



Trending Up



Visibility



Thumb Up



Lock



3d Rotation



Verified



Schedule



Favorite Border



Account Balance

<https://fonts.google.com/icons>

Componentes ng-bootstrap



[Home](#) [Getting Started](#) [Guides](#) [Components](#)

1.703.454
npm



<https://ng-bootstrap.github.io>

Bootstrap widgets

The angular way

Angular widgets built from the ground up using only Bootstrap 4 CSS with APIs designed for the Angular ecosystem.

No dependencies on 3rd party JavaScript.

```
// Installation for Angular CLI  
ng add @ng-bootstrap/ng-bootstrap
```

[Demo](#)

[Get started now](#)

Currently at v9.0.2



REACT

vs



VueJS

vs



Angular

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