



# ANGULAR GMP

## INTRO



# ANGULAR

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- Leading front-end framework
- SPA
- Fast experience
- Modular
- Testable
- Google



- Completely rewritten

# TYPESCRIPT

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TypeScript – is a typed superset of JavaScript that compiles to plain JavaScript



- Classes
- Setters, Getters
- Accessibility modifiers
- Interfaces
- Types
- ...

# BUILDING BLOCKS

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Components

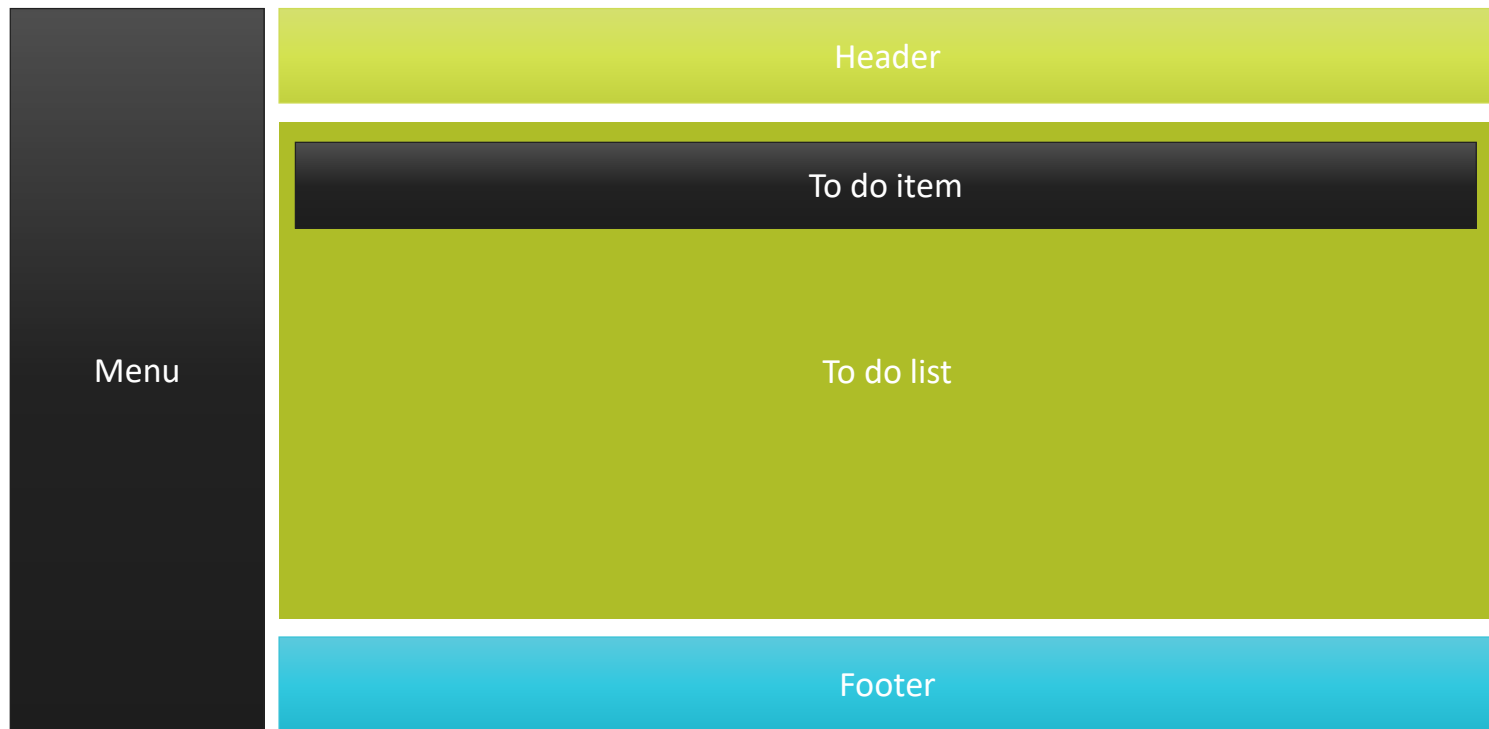
Services

Directives

Router

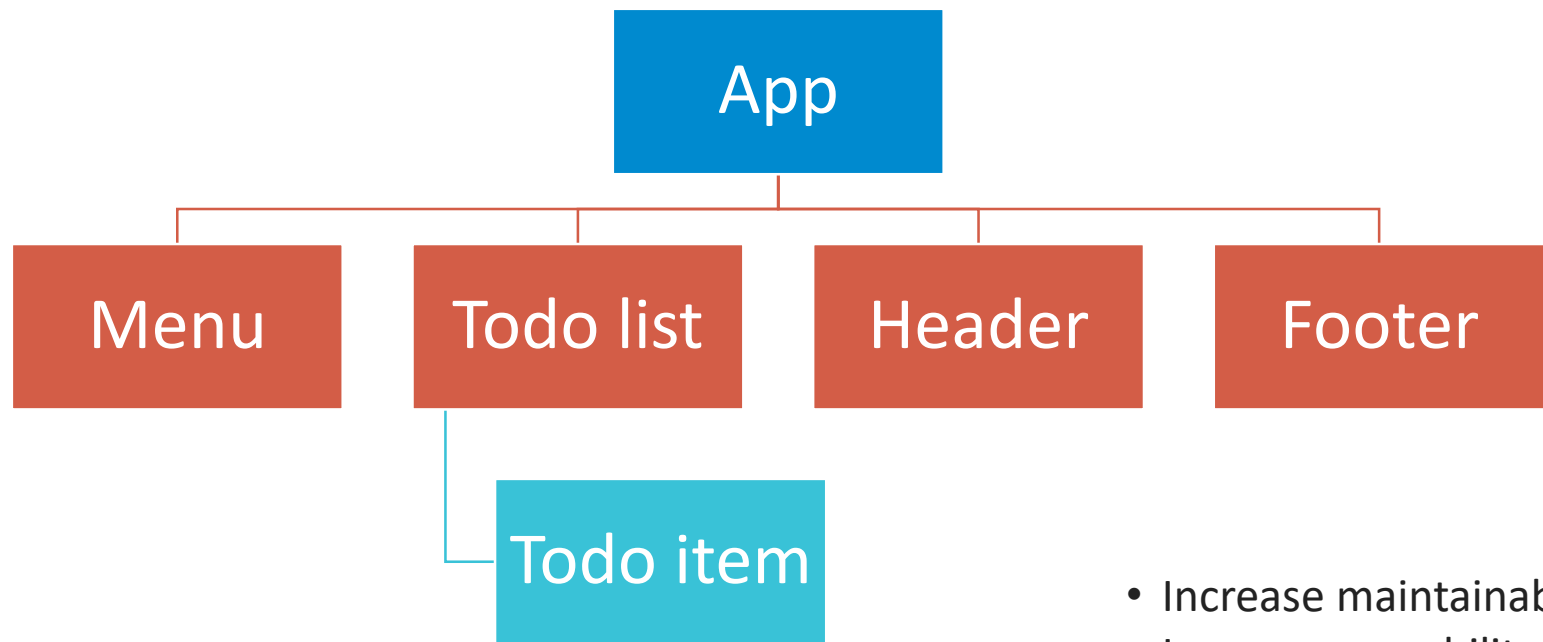
# COMPONENT

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# COMPONENT

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- Increase maintainability
- Increase reusability

# COMPONENT

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

@Component({
  selector: 'my-component',
  encapsulation: ViewEncapsulation.None,
  template: `<div (click)="handleClick()">My component</div>`
})
export class MyComponent {

  counter: number = 0;

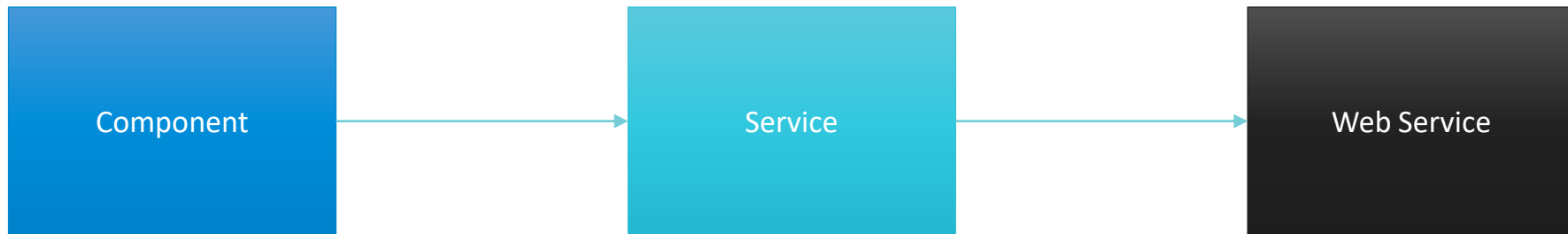
  constructor() {}

  handleClick() {
    console.log('clicked!');
    this.counter++;
  }
}
```

- TypeScript class
- Detached from DOM

# SERVICES

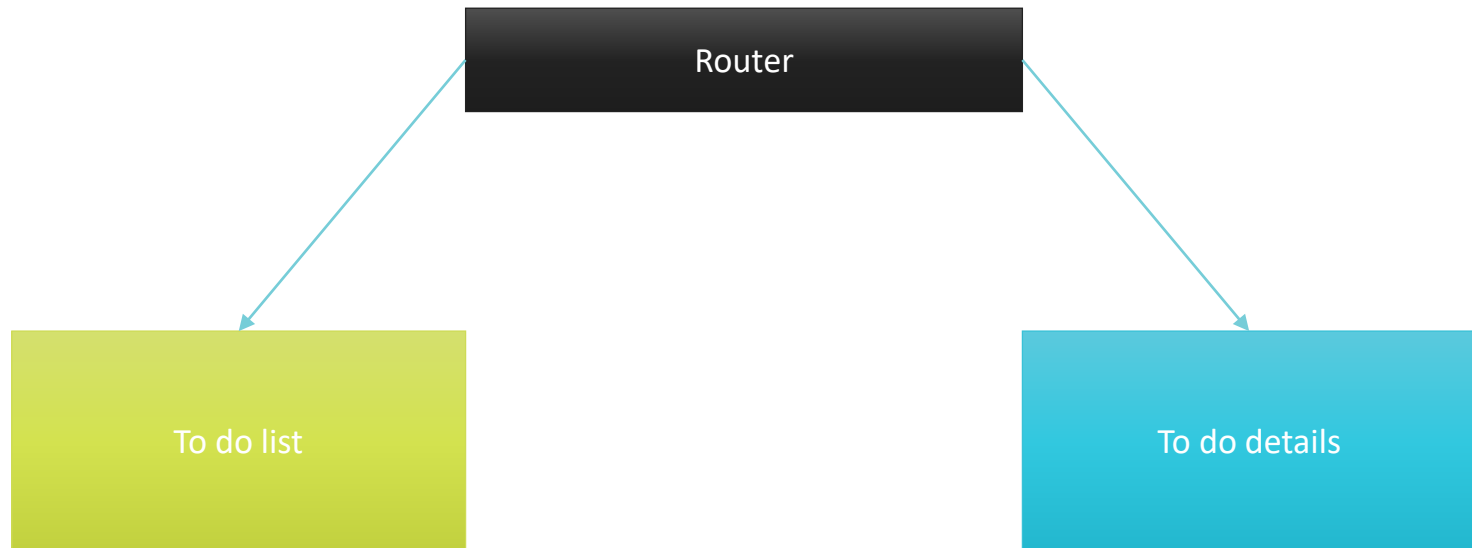
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# ROUTER

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# DIRECTIVES

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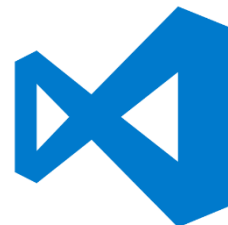
```
<app-todo-list-item *ngFor="let item of todoItems">  
</app-todo-list-item>
```

- No template
- Adds behavior to the DOM elements
- Built-in
- Custom

# TOOLS

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- NodeJS
- NPM
- NG-CLI
- Visual Studio Code/Webstorm/Atom...



# NG-CLI

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The Angular CLI is a tool to initialize, develop, scaffold and maintain [Angular](#) applications



**ng new**

**ng generate**

**ng serve**

<https://cli.angular.io/>

## NG-CLI:NEW

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- `npm install -g @angular/cli`
- `ng new PROJECT-NAME`
- `cd PROJECT-NAME`
- `ng serve`

# NG-CLI:GENERATE

| Scaffold  | Usage  |
|-----------|--|
| Component | <code>ng g component my-new-component</code> |
| Directive | <code>ng g directive my-new-directive</code> |
| Pipe      | <code>ng g pipe my-new-pipe</code>           |
| Service   | <code>ng g service my-new-service</code>     |
| Class     | <code>ng g class my-new-class</code>         |
| Guard     | <code>ng g guard my-new-guard</code>         |
| Interface | <code>ng g interface my-new-interface</code> |
| Enum      | <code>ng g enum my-new-enum</code>           |
| Module    | <code>ng g module my-module</code>           |

<https://angular.io/guide/styleguide>

**DEMO**

**THANKS FOR ATTENTION!**

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