the company behind

Established in 2001, Oasis Digital offers:

Public **Angular Boot Camp** and other classes, both online and in person. Purchase a ticket at our website, perfect for one or a handful of developers.

Private classes, suitable for a team, also online or in person. A private class can also include additional days for specific additional topics or consulting assistance.

Consulting services, including project review, planning and strategy assistance, co-development, and deployment guidance.

Project launch, in which we start a project rapidly with a good foundation and critical features, then transition to an internal team.

Full project development with Angular, React, Node, Java, and other technologies.

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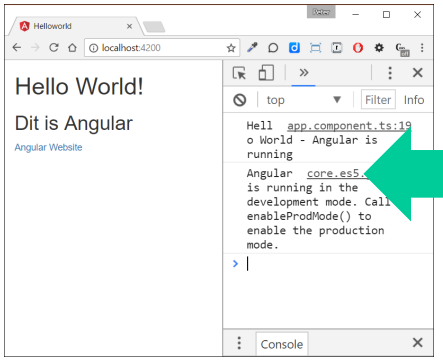
Fire alarm test

10:30

Short recap - Yesterday

- Application structure and architecture
  - Modules
  - Components
    - View / Template
    - Class / controller
- TypeScript Decorators
  - `@Component()`
  - `@ngModule()`



main.ts / bootstrapper

ngModule / root module

AppComponent

Services

3rd party libs

Other modules

Other components

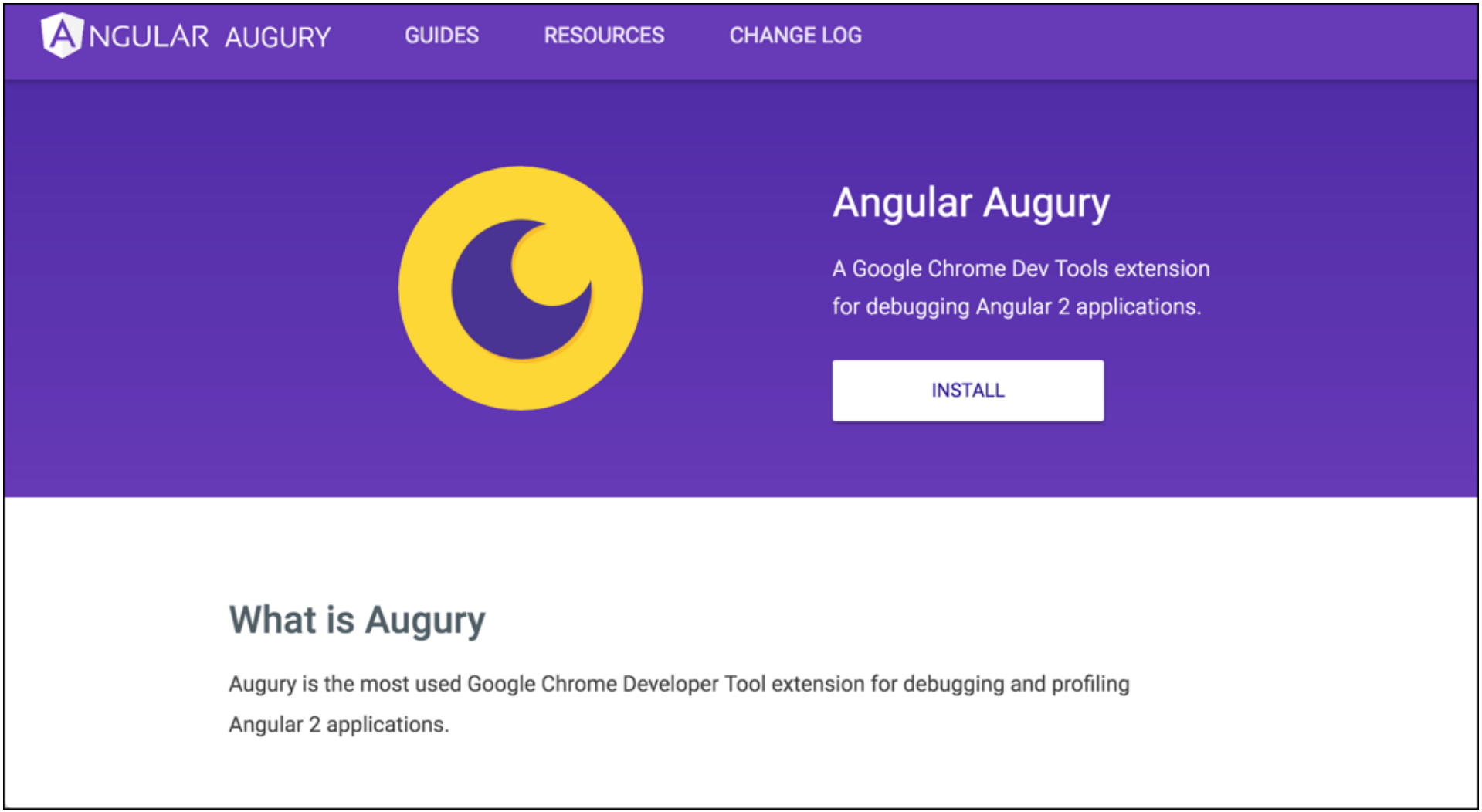
Other components

Other components

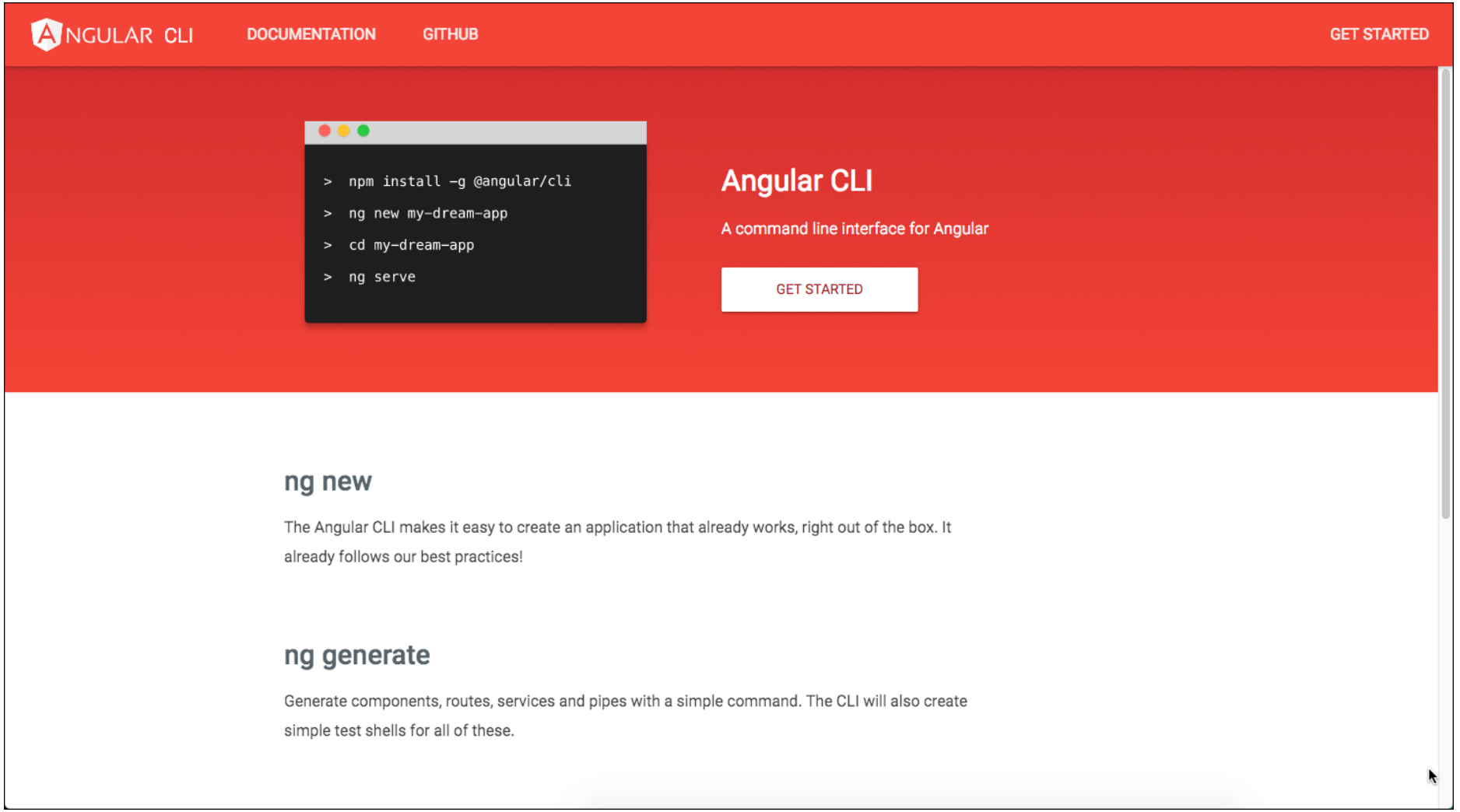
- Data binding
  - Simple data binding `{{ ... }}`
  - Attribute binding, or One-way data binding `[…]`
  - Event binding, `(...)`
  - Binding to the window object using `@HostListener()`
- Multiple Components
  - Best practice - bundle in multiple modules
  - Indentify *feature areas* in your application, create a module for each feature

Some background info on Root Module

https://johnpapa.net/introducing-angular-modules-root-module/


ANGULAR AUGURY
GUIDES
RESOURCES
CHANGE LOG
Angular Augury
A Google Chrome Dev Tools extension
for debugging Angular 2 applications.
INSTALL
What is Augury
Augury is the most used Google Chrome Developer Tool extension for debugging and profiling
Angular 2 applications.

- Routing basics and Lazy loading – multiple steps
  - Add `RouterModule` to `AppModule`
  - Add a routing table, use `loadChildren:…` to load the modules
  - Enhance: `RouterModule.forRoot(myRoutes)`
  - Inside child modules – create specific routes
  - Use `RouterModule.forChild(childRoutes)`
- In the template
  - Use `<a routerLink>` to create hyperlinks
  - Use `<router-outlet></router-outlet>` to tell Angular where routes should be projected.

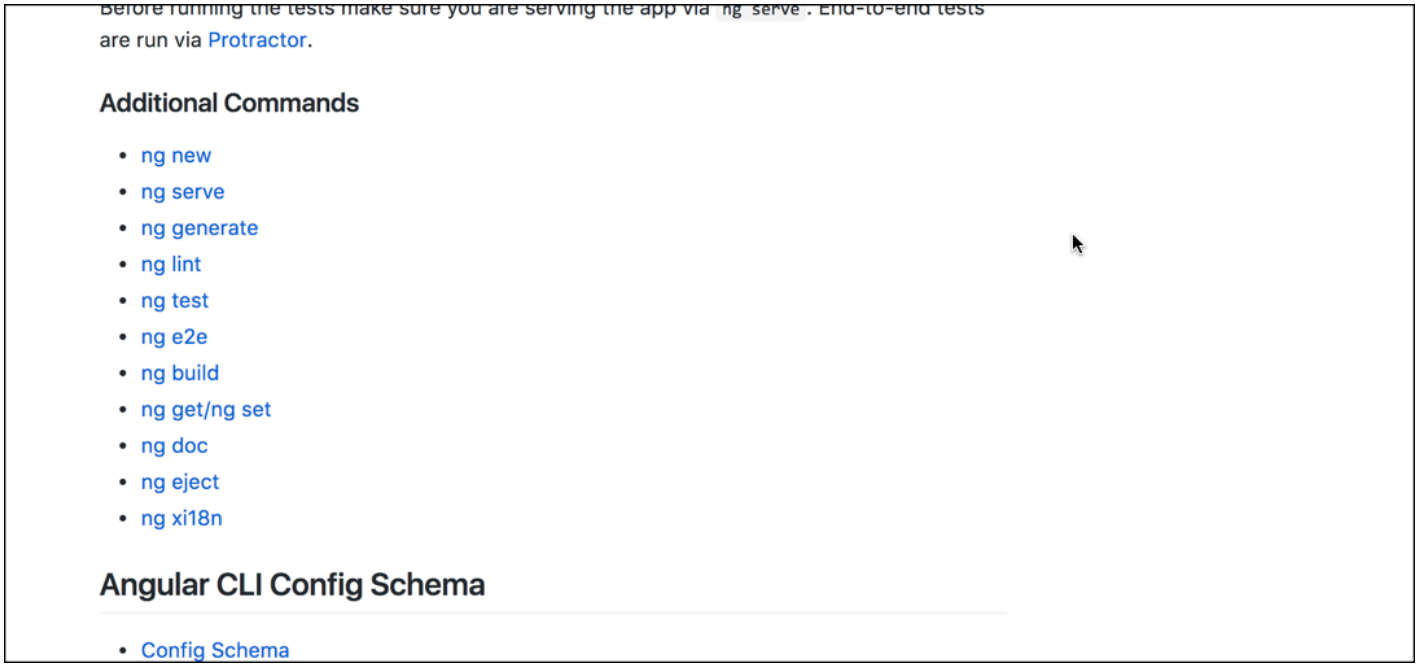

ANGULAR CLI
DOCUMENTATION
GITHUB
GET STARTED
> npm install -g @angular/cli
> ng new my-dream-app
> cd my-dream-app
> ng serve
Angular CLI
A command line interface for Angular
GET STARTED
ng new
The Angular CLI makes it easy to create an application that already works, right out of the box. It already follows our best practices!
ng generate
Generate components, routes, services and pipes with a simple command. The CLI will also create simple test shells for all of these.

Learn the CLI-commands

- `ng new`
- `ng generate component | module | service | class | ...`
- Options / flags per blueprint `--module`, `--dry-run`, `--export`, etc.
- Local serving and running your app
  - `npm start` OR
  - `ng serve`
- Learn and use `.angular-cli.json`!
  - Third party libraries, other settings
- Deploy
  - `ng build`

Angular CLI (continued)

- Start your application with routing?
  - `ng new myRoutingApp --routing`
- Start a minimal application?
  - `ng new myMinimalApp --minimal`



https://github.com/angular/angular-cli/wiki

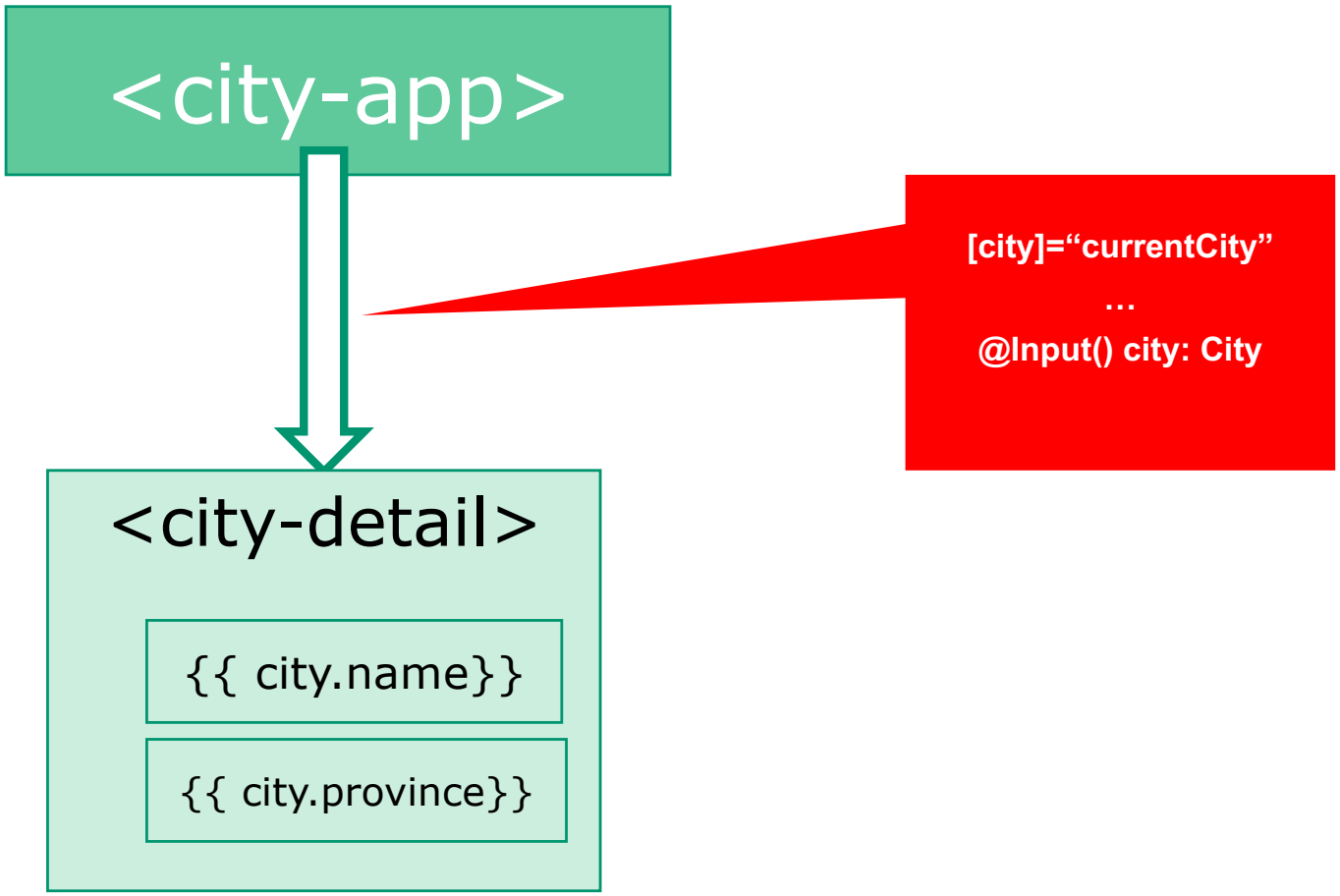
Today

- Review & Repeat what we learned --> Start with Workshop 201!
- Built-in structural directives
  - `*ngIf`
  - `*ngFor`
  - Some other templating stuff
- Data flow between components
  - `@Input()`
  - `@Output()`
- Dependency Injection
  - Using `HTTP` – Talking to external API's
  - Angular Services

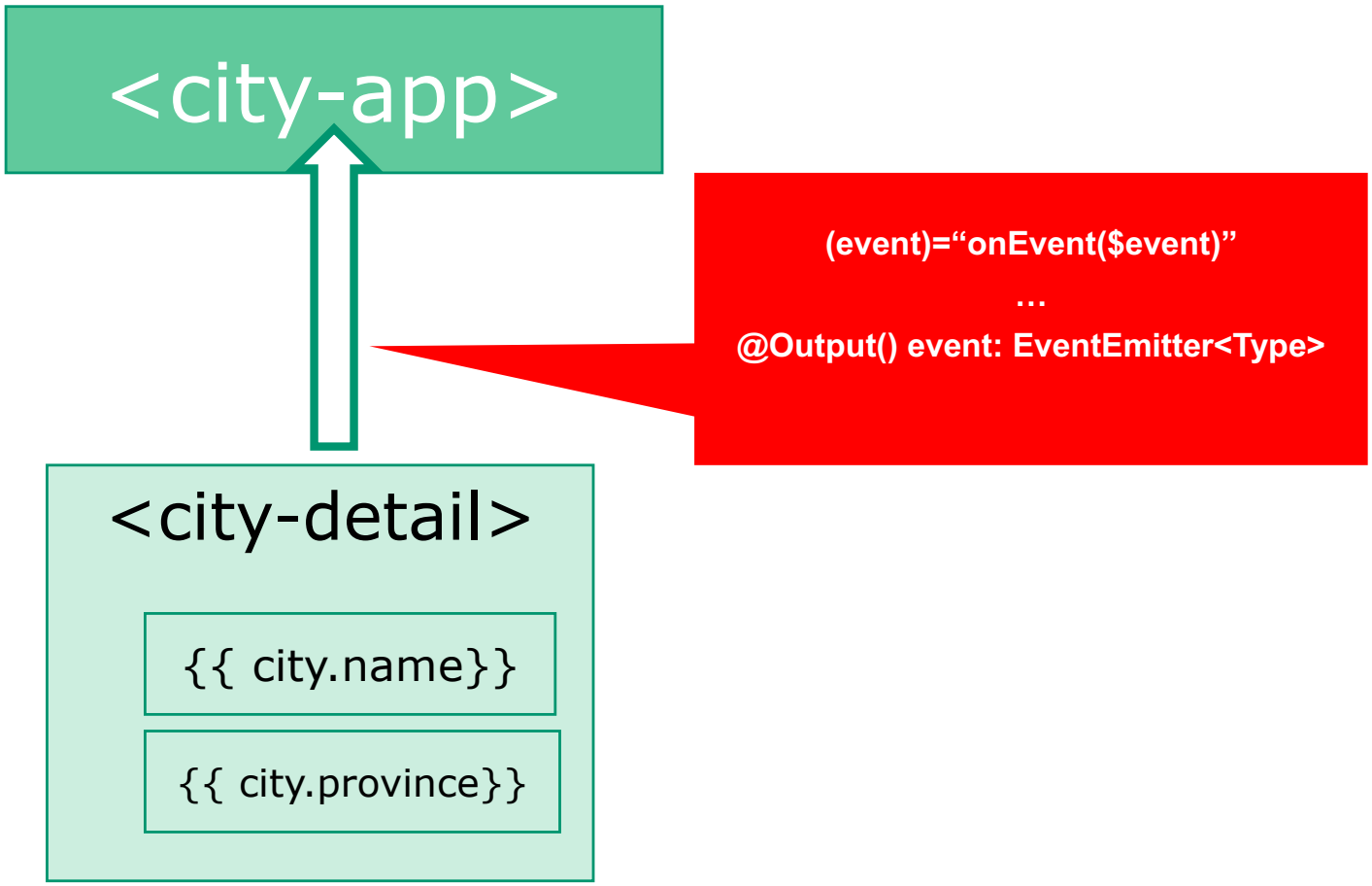
Today (continued)

- RxJS, Observables and the `Async` pipe
- (Reactive Forms)

Parent-Child flow: decorator `@Input()`



Child-Parent flow: decorator `@Output()`



Summary : Data down, events up (!)