

Component Communication

7. aContentChild

@ContentChild



- With the @ContentChild you can grab the projected content from the parent in your child class
- This allows you more power with your projected content, for example display it on certain condition or dynamically create it

Parent

Child

Selector



- The @ContentType will get in the decorator the selector which works similar to @ViewChild selector
 - Select by type will look for the first match
 - Select by TRV

What you can select



- Similar to @ViewChild you can select
 - Component, Directive, ElementRef, TemplateRef, ViewContainerRef

Lifecycle hooks



- The lifecycle hook for content projection works here as well
- AfterContentInit will jump once after the @ContentChild properties has bee populated
- AfterContentChecked will jump after every change detection which allows you
 to react to changes in you @ContentChild properties.

@ContentChildren



 Very similar to @ViewChildren it allows us to select a QueryList from the projected content

@ContentType main usage



- The **@ContentType** allows you to create a more generic components and directives
- You can get entire snippets of template from the parent to customise the look and behaviour of you component or directive and thus making them applicable to different apps
- We can get inspiration to different patterns we can use @ContentChild by looking at @angular/material

Summary



- With the @ContentType decorator we can grab the template passed in the parent between the child tags and get template items in our child component class.
- The main usage is to make the child component more generic, I can now get from the parent customised appearance and change my behaviour based on what I get.
- With the lifecycle Hooks AfterContentInit, AfterContentChecked I can hook to the @ContentChild properties and know when they are initialised and when they are changed.



Thank You

Congratulations! You are an expert in component communication