

# Final Words

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Component  
A

Service

Template  
A

Component  
B



**Hey!**  
**I just got data**  
**back!**

**Great!**  
**I'll update my**  
**bindings.**

**Component**  
**A**

**Template**  
**A**





**Got it!  
I'll refilter the  
list.**

**The user just  
entered a new  
value.**

**Component  
A**

**Template  
A**



**Could you set  
your focus?**

**Sure!  
Setting my  
focus.**

**Component  
A**

**Template  
A**





Is your form  
currently valid?

OK, I'll save.

Yep!

Component  
A

Template  
A



**Hey kiddo!  
I have a new  
value for you.**

**Great!  
I'll update my  
bindings.**

**Parent  
Component**

**Child  
Component**





**You need to  
reset your  
values.**

**Resetting...**

**Parent  
Component**

**Child  
Component**





**I'll refilter.  
Thanks kiddo!**

**Hey Dad!  
The user  
modified a value.**

**Parent  
Component**

**Child  
Component**



Will you keep  
track of my  
current filter?

Sure!  
Retaining your  
current filter.

What was my  
filter?

I have it. Here  
you go ...

Component  
A

Service

Component  
B





Could you  
get my data?

Sure!  
I'll get it, retain it,  
and share it.

I need it too.  
Thanks for  
sharing!

Component  
A

Service

Component  
B



The user  
just picked  
a new value!

I'll notify  
everyone who  
subscribed.

I got your  
notification. I'll  
adjust my display.

Component  
A

Service

Component  
B





**The user  
picked item  
7!**

**I'll add  
that to the  
Url.**

**Got it!  
I'll display detail  
for item 7.**

**Component  
A**

**Router**

**Component  
B**



I may have  
search params  
for you.

If you provide  
them I'll pass  
them along.

If I get  
params, I'll  
use them.

Component  
A

Router

Component  
B





## Component to Template

### Communication:

- Binding
- Structural Directives
- ViewChild/ViewChildren with template reference variable and nativeElement
- ViewChild/ViewChildren with NgForm or NgModel

### Change Notification:

- Two-way binding, the long way
- Getters and setters
- ViewChild and valueChanges observable

## Component to Child Component

### Parent to Child:

- Input properties (@Input)
- Template reference variable
- ViewChild decorator

### Change Notification:

- Getters and setters
- onChanges lifecycle hook

### Child to Parent:

- Output properties (@Output)

## Component to Component

### Service:

- Simple properties
- Getters and setters
- State management
- Subject
- BehaviorSubject
- ngrx/Redux

### Router:

- Required parameters
- Optional parameters
- Query parameters



# Learning More



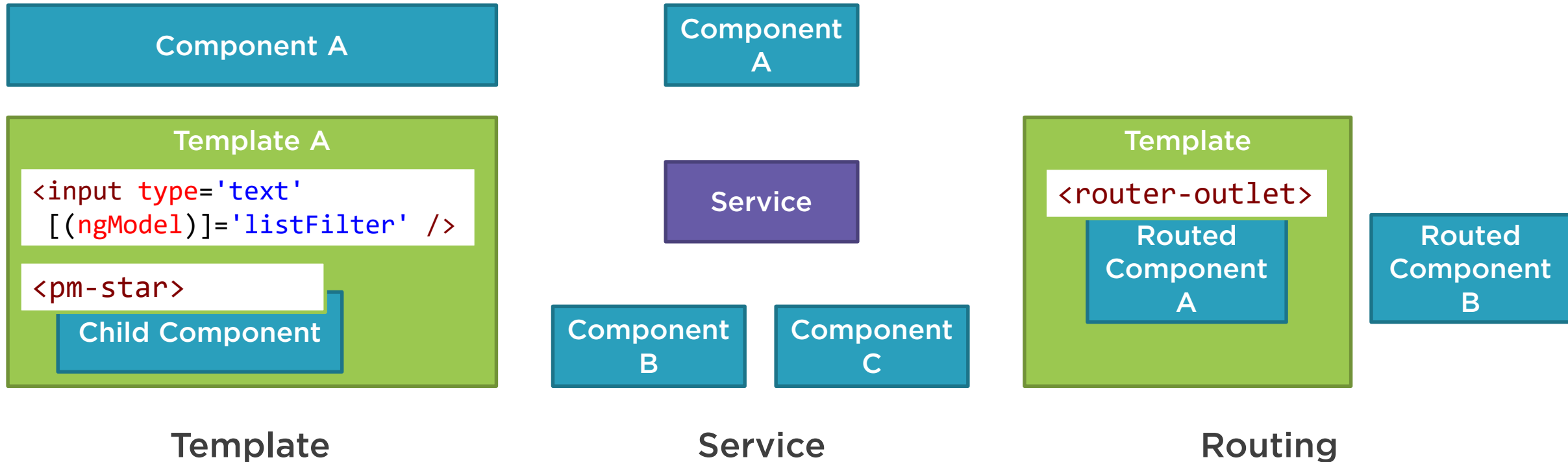
## Angular Courses on Pluralsight

- "Play by Play Angular and ngrx"
- "Angular Forms"
- "Angular Reactive Forms"
- "Angular Routing"





# Component Communication



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