# Angular Component Communication

#### INTRODUCTION



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View updates when data has changed





- View updates when data has changed
- React to user changes



- View updates when data has changed
- React to user changes
- Ask an element to set a property or perform a task



- View updates when data has changed
- React to user changes
- Ask an element to set a property or perform a task
- Check form or control state

Will you keep track of my current filter?

Sure! Retaining your current filter.



Component <-> Service <-> Component:

Retain state



# Component <-> Service <-> Component:

- Retain state
- Share data



# Component <-> Service <-> Component:

- Retain state
- o Share data
- Send notifications



Component <-> Router <-> Component:

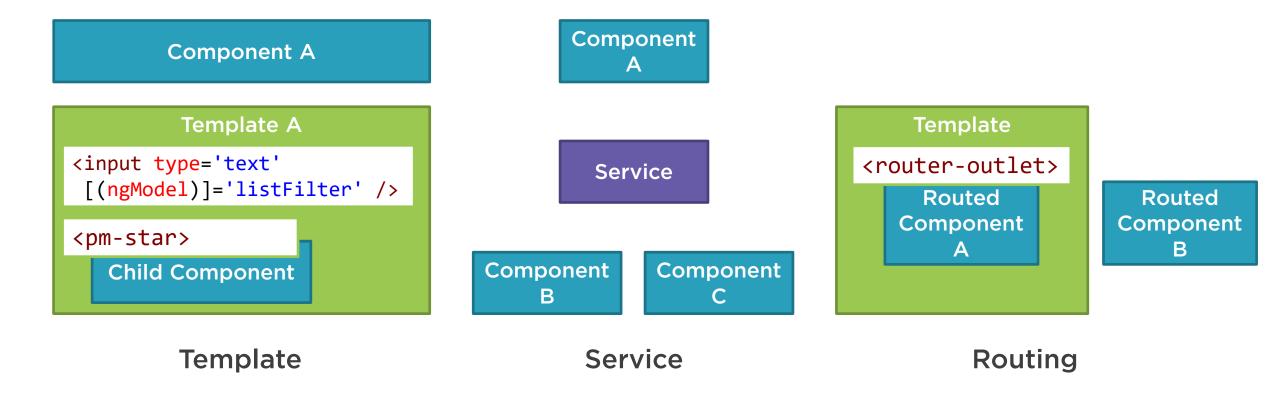
Pass required data



# Component <-> Router <-> Component:

- Pass required data
- Pass optional data

## Component Communication





# Module Overview



Getting the Most from This Course

**Sample Application** 

**Course Outline** 



## Prerequisites

### Required

- Angular modules
- Components
- Templates
- Services
- Routing

### Suggested

- Angular: Getting
   Started
- Angular: First Look

## Not Required

Extensive component communication experience



## Thoughts? Comments? Questions?

Table of contents Description Transcript Exercise files **Discussion** Learning Check

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## Blog Post

http://blogs.msmvps.com/deborahk/ angular-component-communication-problem-solver/

# Deborah's Developer MindScape

### "Angular Component Communication" Problem Solver

Filed under: Angular, Angular Course Problem Solver — deborahk @ 11:34 am

Tags: Angular

This blog post supports the sample code for the "Angular Component Communication" course on Pluralsight, identifying common issues along with their solutions.



# Guidelines & Summary



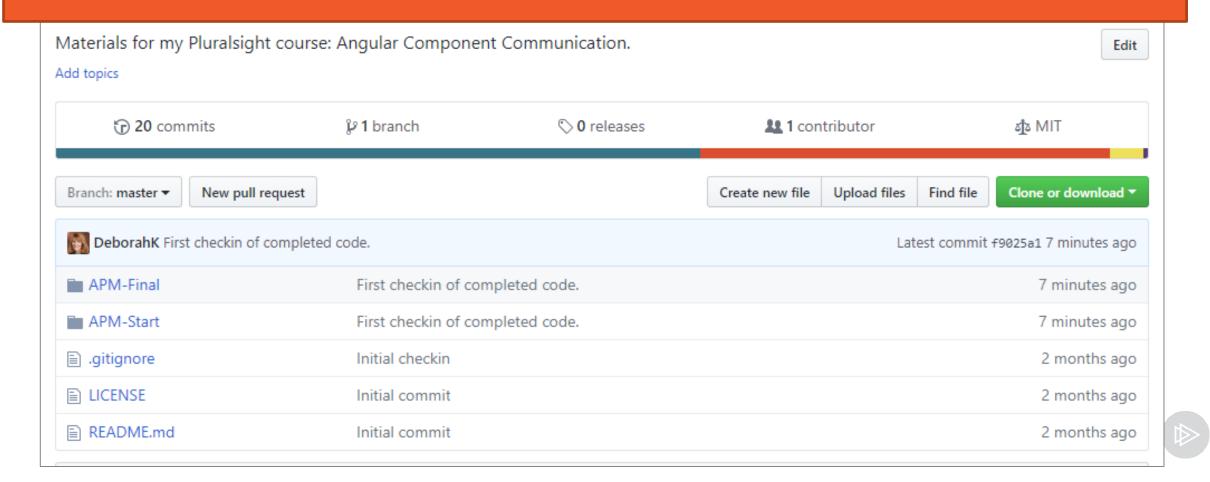
Review module concepts

Which to use when



## GitHub Repository

### https://github.com/DeborahK/Angular-Communication



## Demo



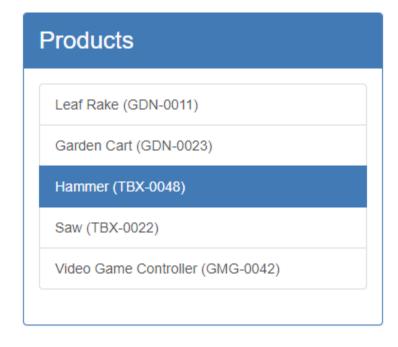
**Sample Application in Action** 

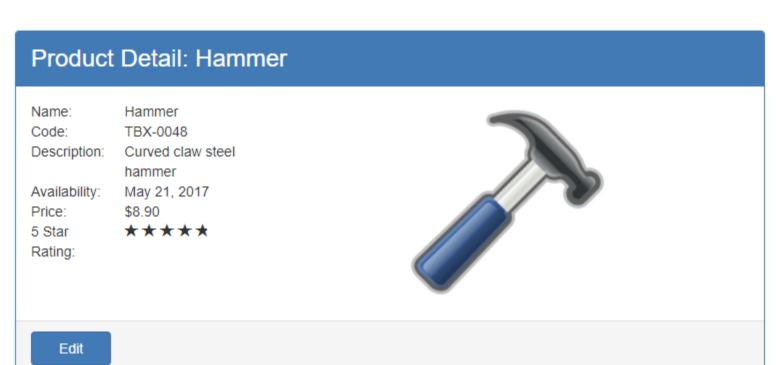




Acme Product Management Home Product List Add Product Welcome Deborah Log Out

#### Number of months on the market: 7





## Course Outline



Communicating with a Template

ViewChild and ViewChildren

Communicating with a Child Component

Communicating with a Parent Component

**Communicating Through a Service** 

Communicating Through a State Management Service

**Communicating Through Service Notifications** 

Communicating Using the Router

