Reactive Form in Context



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Module Overview

Sample Application

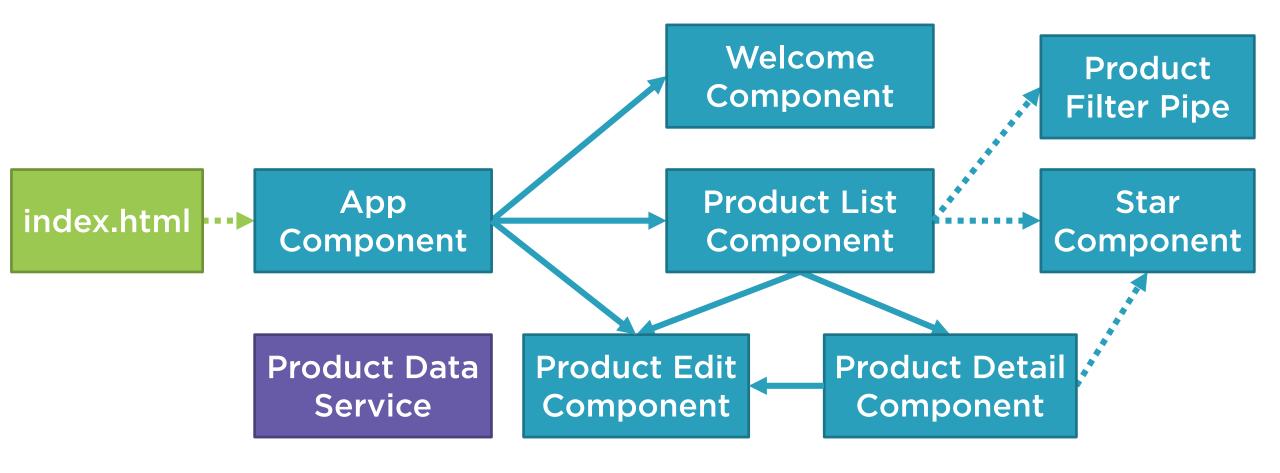
Routing to the Form

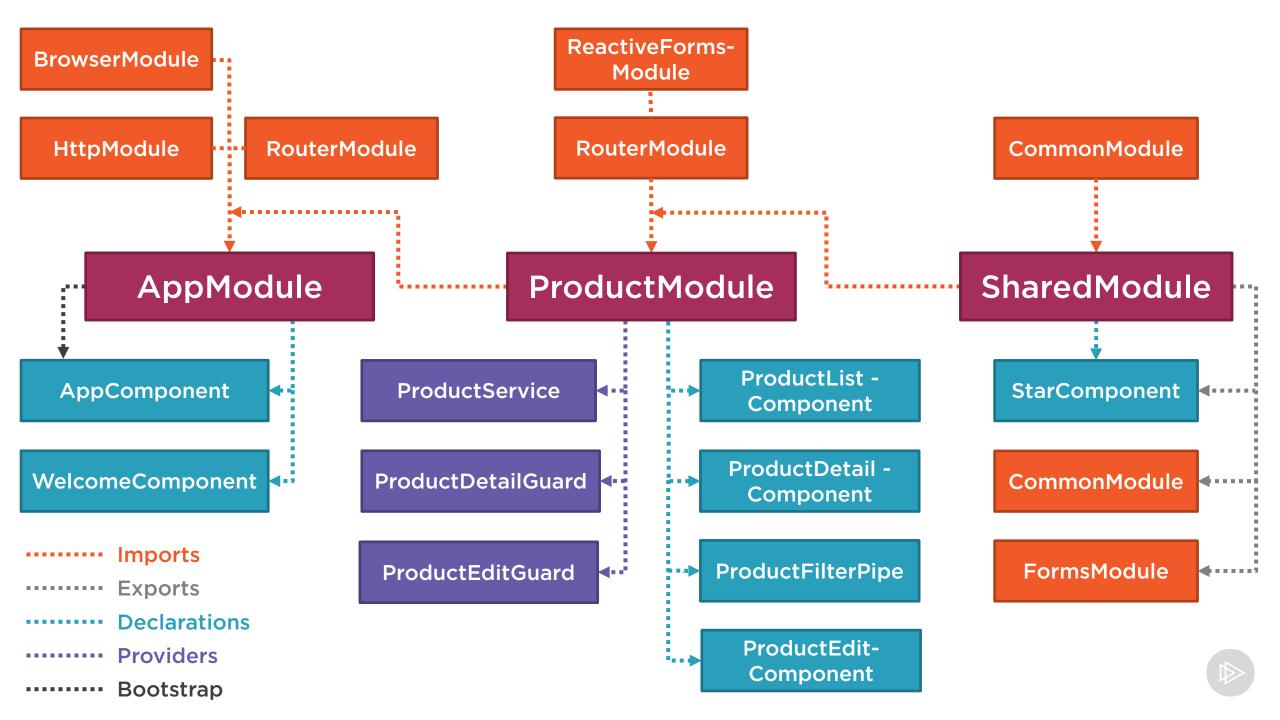
Reading a Route Parameter

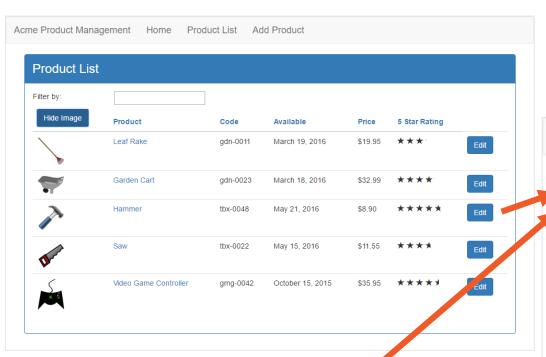
Setting a canDeactivate Guard

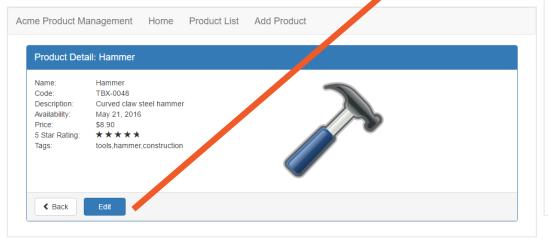
Refactoring to a Custom Validation Class

APM Sample Application Architecture





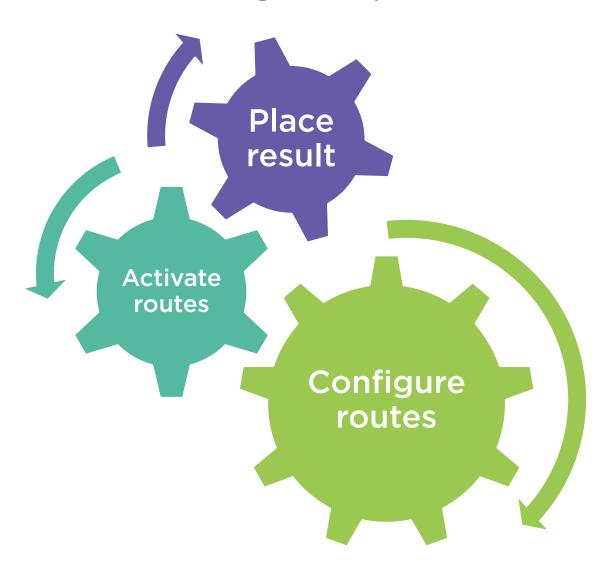




Product Name	Hammer
Product Code	TBX-0048
Star Rating (1-5)	4.8
Add Tag	
Tag	tools
Tag	hammer
Tag	construction
Description	Curved claw steel hammer



Routing Steps



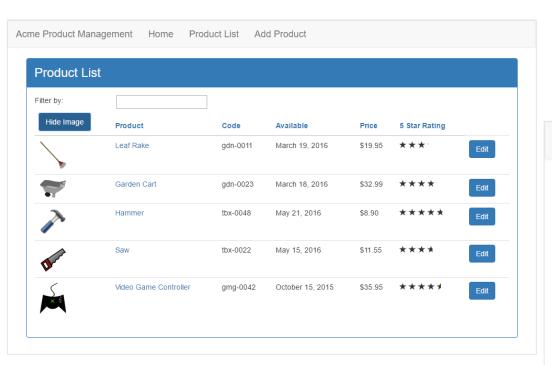


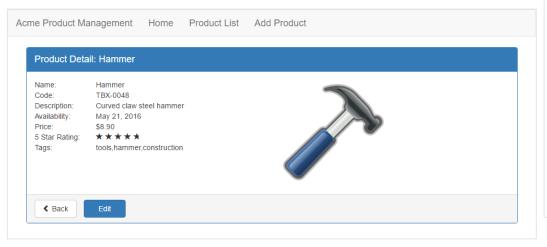
Configuring Routes



Route Guards

```
{ path: 'products', component: ProductListComponent },
{ path: 'product/:id',
 canActivate: [ ProductDetailGuard],
 component: ProductDetailComponent },
{ path: 'productEdit/:id',
 canDeactivate: [ ProductEditGuard ],
 component: ProductEditComponent }
```





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Tying Routes to Actions

app.component.ts

```
@Component({
   selector: 'pm-app',
   template:
   <a [routerLink]="['/welcome']">Home</a>
     <a [routerLink]="['/products']">Product List</a>
     <a [routerLink]="['/productEdit', '0']">Add Product</a>
```

Placing the Views

app.component.ts

```
@Component({
   selector: 'pm-app',
   template:
    <a [routerLink]="['/welcome']">Home</a>
     <a [routerLink]="['/products']">Product List</a>
     <a [routerLink]="['/productEdit', '0']">Add Product</a>
    <router-outlet></router-outlet>
})
```

Reading Parameters from a Route

```
{ path: 'productEdit/:id', component: ProductEditComponent }
import { ActivatedRoute } from '@angular/router';
constructor(private route: ActivatedRoute) {
   let id = +this.route.snapshot.params['id'];
constructor(private route: ActivatedRoute) {
   this.sub = this.route.params.subscribe(
      params => {
         let id = +params['id'];
```

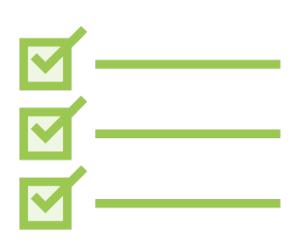
Building a Guard

product-guard.service.ts

```
import { Injectable } from '@angular/core';
import { CanDeactivate } from '@angular/router';
@Injectable()
export class ProductEditGuard
          implements CanDeactivate<ProductEditComponent> {
   canDeactivate(component: ProductEditComponent): boolean {
```

Custom Validator with Parameters

Checklist: Reactive Form in Context



Add a route configuration

Add user interface element(s) to activate the route

Read the route parameter

Set up a canDeactivate guard

Refactor validators to a custom validation class for reuse



Summary

Sample Application

Routing to the Form

Reading a Route Parameter

Setting a canDeactivate Guard

Refactoring to a Custom Validation Class