

# Styling, Animating, and Watching Routes

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# Module Overview



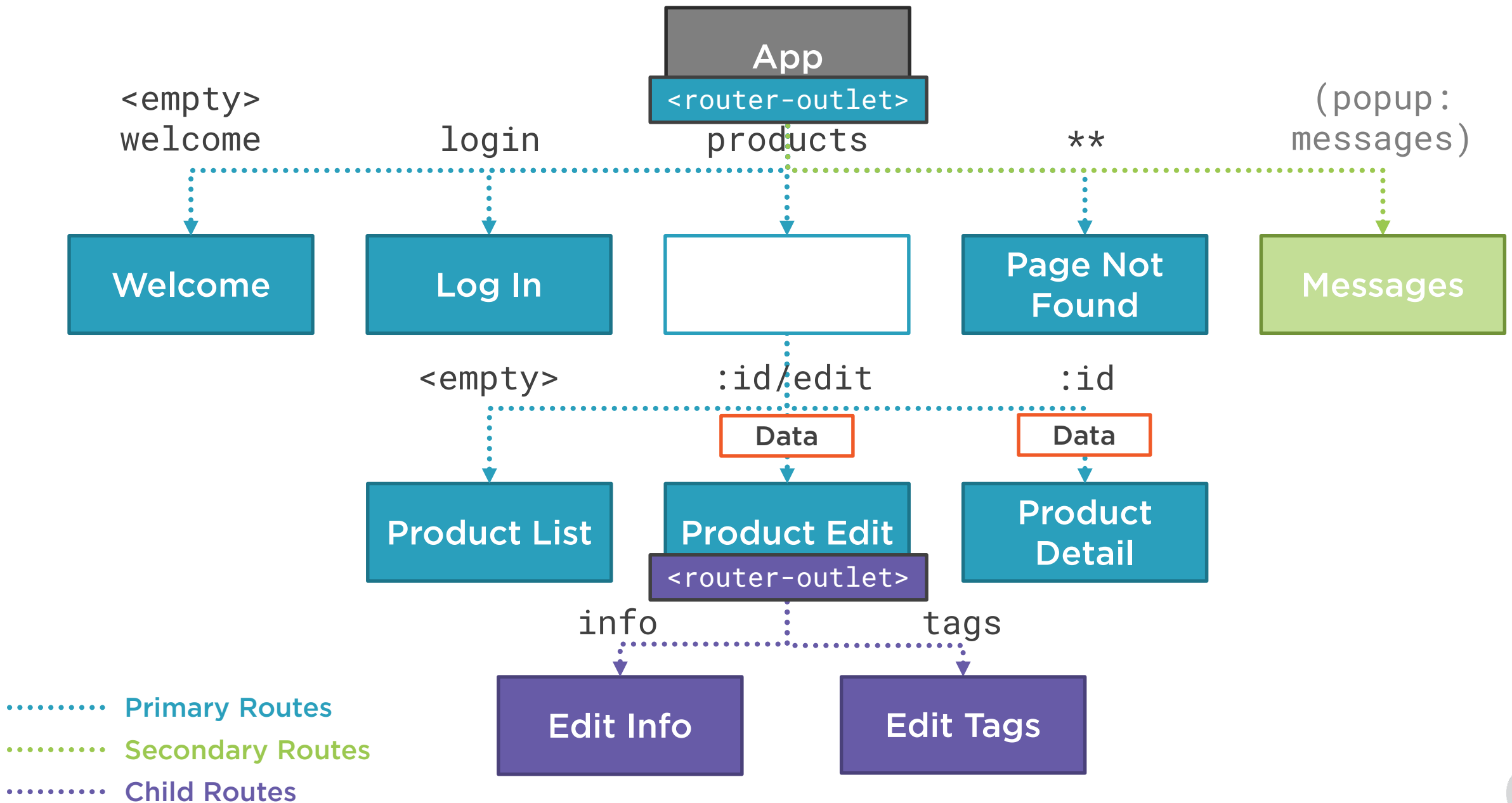
**Styling the Selected Route**

**Animating Route Transitions**

**Watching Routing Events**

**Reacting to Routing Events**





# Styling the Selected Route

Acme Product Management

HomeProduct ListAdd Product

Welcome DeborahShow MessagesLog Out

Add Product

Basic Information

Search Tags!

Basic Product Information

Product Name

Anvil

Product Code

tbx-044

Description

500 lb steel anvil

Save

Cancel

Delete



# Styling the Selected Route

## Template

```
<a [routerLink]="['info']" routerLinkActive="active">  
    Basic Information  
</a>
```



# Animating Route Transitions

1. **Import BrowserAnimationsModule**
2. **Define the desired animations**
3. **Register the animation with a component**
4. **Trigger the animation from the router outlet**



# Routing Events

NavigationStart

RoutesRecognized

NavigationEnd

NavigationCancel

NavigationError





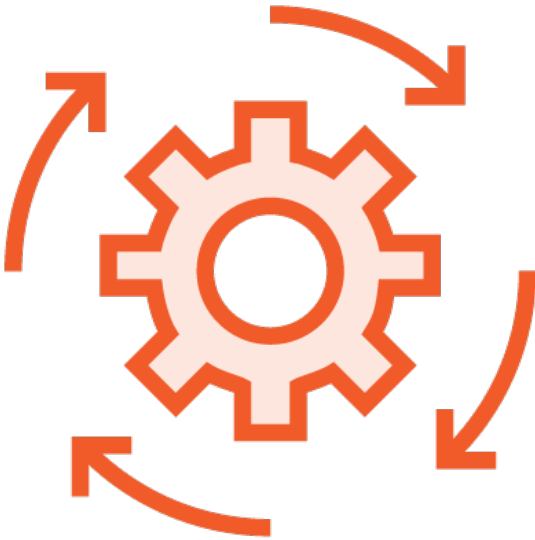
# Watching Routing Events

app-routing.module.ts

```
imports: [  
  RouterModule.forRoot([  
    { path: 'welcome', component: WelcomeComponent },  
    { path: '', redirectTo: 'welcome', pathMatch: 'full' },  
    { path: '**', component: PageNotFoundComponent }  
  ], { enableTracing: true })  
],  
...
```



# Reacting to Routing Events



**Display a spinner**

**Log actions**

**Execute logic**

# Reacting to Routing Events

## Component Class

```
this.router.events.subscribe((routerEvent: Event) => {  
    if (routerEvent instanceof NavigationStart) {  
        ...  
    }  
});
```



# Checklist: Styling



Style the active route using the `routerLinkActive` directive

For an exact path match use `routerLinkActiveOptions`

```
<a [routerLink]="['info']"  
  routerLinkActive="active">  
  Basic Information  
</a>
```

```
<a routerLinkActive="active"  
  [routerLinkActiveOptions]="{exact:true}">  
  ...  
</a>
```

# Checklist: Animating



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**Import BrowserAnimationsModule**

**Define the animation**

**Register the animation**

**Trigger the animation on the router outlet**



# Checklist: Watching Events



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Enable tracing to watch routing events in the console

Add `enableTracing` to the route configuration

```
imports: [  
  RouterModule.forRoot([  
    { path: 'welcome', component: WelcomeComponent },  
    ...  
  ]), { enableTracing: true }]  
,  
...]
```

# Checklist: Reacting to Events



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Subscribe to the Router's events  
observable

Check the event type as needed

```
this.router.events.subscribe((routerEvent: Event) => {  
    if (routerEvent instanceof NavigationStart) {  
        ...  
    }  
});
```



# Summary



**Styled the Selected Route**

**Animated Route Transitions**

**Watched Routing Events**

**Reacted to Routing Events**





