



ANGULAR
ARCHITECTS

A11y in Angular Router

Alexander Thalhammer | @LX_T

A11y in Angular Router

- Unique page titles
- Active link identification
- Focus management
 - (is it a good idea?)

Unique page titles

- Add unique page titles to your routes
 - dynamic titles can be set via inject(Title)

```
export const appRoutes: Route[] = [
  {
    path: 'home',
    component: HomeComponent,
    title: 'Home - NG Ally'
  },
]
```

```
effect(() => this.pageTitleStrategy.setTitle(this.id()
!== undefined ? `Page ${this.id()}` : 'Page'));
```

Global page title suffix

```
export class PageTitleStrategy extends TitleStrategy {  
  private readonly title = inject(Title);  
  
  updateTitle(routerState: RouterStateSnapshot): void {  
    this.setTitle(this.buildTitle(routerState));  
  }  
  
  setTitle(pageTitle?: string): void {  
    if (pageTitle) {  
      this.title.setTitle(` ${pageTitle} - Demo`);  
    } else {  
      this.title.setTitle('Demo like a pro');  
    }  
  }  
}
```

Active link identification

- The *RouterLinkActive* directive provides the *ariaCurrentWhenActive* input for *aria-current*

```
<nav>
  <a routerLink="home"
      routerLinkActive="active-page"
      ariaCurrentWhenActive="page">
    Home
  </a>
  <a routerLink="about"
      routerLinkActive="active-page"
      ariaCurrentWhenActive="page">
    About
  </a>
</nav>
```

Focus management ???

- Focus management after navigation
 - Avoid relying solely on visual cues by making sure routing updates focus after page navigation
 - Use the *NavigationEnd* event from the NG Router service to know when to update focus

```
inject(Router).events.pipe(  
  filter((e) => e instanceof NavigationEnd)  
) .subscribe(() => {  
  this.document.querySelector('main')?.focus();  
});
```

- but be careful to not confuse your users :-)



Demo

Angular Router

The background of the slide features a photograph of a modern architectural structure, likely a glass and steel building, viewed from a low angle looking up. The sky above is a vibrant red, creating a dramatic contrast with the building's facade.

Questions?