Tutoring for Angular

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03 Giugno 2025

Contents

Exercise Starter Code

Current State (Before Exercise)

Here's what your project should look like before starting the mobile responsiveness exercise:

Header Component TypeScript

File: `src/app/components/header/header.component.ts`

```typescript
import { Component } from '@angular/core';
import { CommonModule } from '@angular/common';
import { MatToolbarModule } from '@angular/material/toolbar';
import { MatTabsModule } from '@angular/material/tabs';
import { RouterModule } from '@angular/router';
import { LogoComponent } from '../shared/logo/logo.component';

@Component({
  selector: 'app-header',
  standalone: true,
  imports: [
    CommonModule,
    MatToolbarModule,
    MatTabsModule,
    RouterModule,
    LogoComponent
  ],
  templateUrl: './header.component.html',
  styleUrls: ['./header.component.scss']
})
export class HeaderComponent {
```

```
  navLinks = [
    { path: '/dashboard', label: 'Dashboard' },
    { path: '/employees', label: 'Employees' },
    { path: '/offices', label: 'Office assignments' },
    { path: '/floor-plan', label: 'Floor Plan' }
  ];
}
```

Header Component Template

File: src/app/components/header/header.component.html

```html
<mat-toolbar color="primary">
  <div class="brand">
    <app-logo [size]="180"></app-logo>
    <span class="brand-text">Office Management</span>
  </div>
</mat-toolbar>
<nav mat-tab-nav-bar [tabPanel]="tabPanel" backgroundColor="primary">
  @for (link of navLinks; track link.path) {
    <a mat-tab-link
      [routerLink]="link.path"
      routerLinkActive #rla="routerLinkActive"
      [active]="rla.isActive"
      [routerLinkActiveOptions]="{exact: false}">
      {{link.label}}
    </a>
  }
</nav>
<mat-tab-nav-panel #tabPanel></mat-tab-nav-panel>
```

Header Component Styles

File: src/app/components/header/header.component.scss

```scss
:host {
  display: block;
}

.brand {
  display: flex;
  align-items: center;
  gap: 1rem;
  margin-right: 3rem;

  .brand-text {
    font-size: 1.2rem;
    font-weight: 500;
  }
}

mat-toolbar {
  padding: 0 1rem;
}

nav {
```

```scss
    background-color: white;
    padding: 0 1rem;

    ::ng-deep {
      .mdc-tab-indicator__content--underline {
        border-color: #1976d2;
      }

      .mat-mdc-tab-link {
        &.mdc-tab--active {
          color: #1976d2;
        }
      }
    }
  }
}
```

App Component Template

File: `src/app/app.component.html`

```html
<div class="app-container">
  <app-header></app-header>
  <main>
    <router-outlet></router-outlet>
  </main>
</div>
```

App Component Styles

File: `src/app/app.component.scss`

```scss
.app-container {
  display: flex;
  flex-direction: column;
  min-height: 100vh;
}

main {
  flex: 1;
  padding: 2rem;
  background-color: #f5f5f5;
}
```

Testing the Current State

Before starting the exercise:

1. Run the application: `ng serve`
2. Open browser: Navigate to `http://localhost:4200`
3. Test desktop view: You should see tab navigation
4. Resize browser: Notice navigation doesn't adapt to mobile sizes
5. Open dev tools: Press F12 and try mobile device simulation

The current implementation works fine on desktop but needs improvement for mobile devices!

Ready to Start?

Once you've confirmed your starting state matches the above code, you're ready to begin the Mobile Responsiveness Exercise!