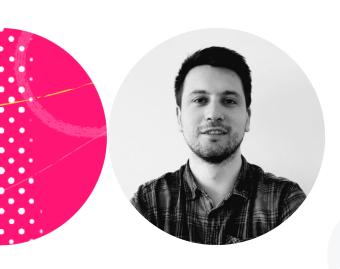
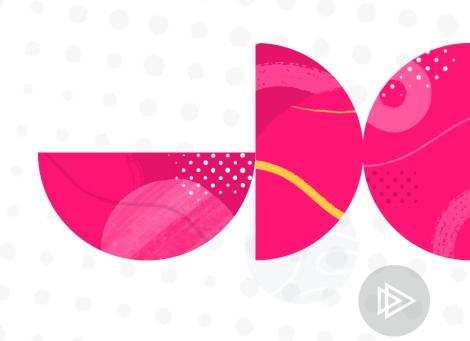
Adding Navigation Checks Using Route Guards



Nertil Poci Software Engineer



Overview



Navigation Lifecycle

Route Guards

- Create an authentication Guard
 - Protect orders and account page
- Component deactivation Guard
 - Protect data loss
- Run final checks just before route activation
- Perform after navigation operations

Adding Authentication Guards to Routes



Router Navigation Resolution Flow

Navigation Triggered

Call beforeRouteLeave inside component

Call global before Each guards

Call beforeRouteUpdate inside component

Call beforeEnter in route definition

Call beforeRouteEnter inside component

Call global beforeResolve guard

Call global afterEach hooks

Route Guards/Hooks

Before entering route

Before the route is resolved after all other checks have completed

Before navigating away from a route

After navigating to a route



Setting up Authentication Guards

A way to check if the user is authenticated or not

A way to check if the route requires authentication

A login page to redirect the user to if they are not logged in



Adding Component Deactivation Guards



Working with Before Resolve Hooks



Working with Per-Route & After Hooks



Summary



Navigation Lifecycle & Route Guards

- Authentication Guard
- Deactivation Guard
- Browser API permission Guard
- Navigation Metrics