



# Cross Cutting Concerns

Manfred Steyer  
**SOFTWARE**architekt.at

## Contents

- Router Guards
- HttpInterceptor

**SOFTWARE**architekt.at

# Router Guards

Page ▪ 3

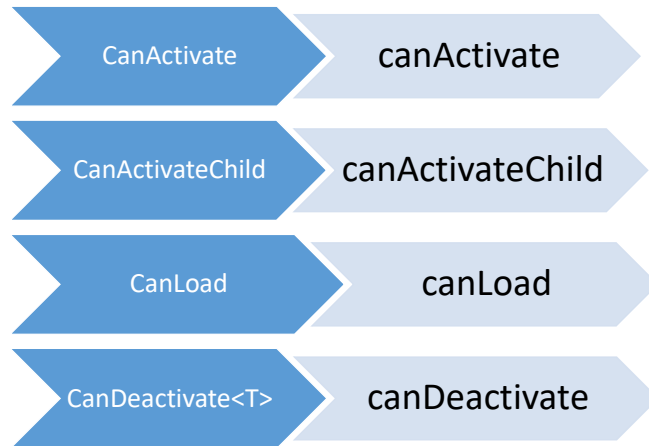
## What are Guards?

- Services
- Can prevent the Activation or Deactivation of a Route

Page ▪ 4

**SOFTWARE**architekt.at

## Guards



**Result: boolean | Observable<boolean> | Promise<boolean>**

**SOFTWARE**architekt.at

## Configure Guards

```
const APP_ROUTES: Routes = [
  {
    path: '/flight-booking',
    component: FlightBookingComponent,
    canActivate: [AuthGuard],
    children: [
      {
        path: 'flight-edit/:id',
        component: FlightEditComponent,
        canDeactivate: [FlightEditGuard]
      },
      [...]
    ]
  }
]
```

## Provider for Guards

```
// app.module.ts
@NgModule({
  providers: [
    FlightEditGuard,
    AuthGuard
  ],
  [...]
})
export class XYModule {
}
```

## DEMO

# Http-Interceptors

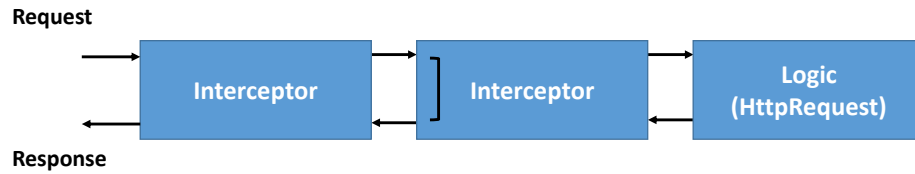


## Idea

- Providing a **hook** for HttpClient
- Modify requests and responses globally
- Including Headers, e. g. for Auth.
- Parsing Data Formats, like XML
- Error Handling
- Caching
- ...

SOFTWAREarchitekt.at

## Chain of Responsibility



SOFTWAREarchitekt.at

## DEMO

Sending Access Token for Auth

Global Error Handler for Auth

SOFTWAREarchitekt.at