Angular example guards

GFT INTERNAL TRAINING

INNOVATE. TRANSFORM. DELIVER.

mock-auth.service.ts

```typescript
@Injectable({ providedIn: 'root'})
export class MockAuthService {
  loggedIn= false

  isAuthenticated(){
    const promise = new Promise((resolve, reject) => {
      setTimeout(() => resolve(this.loggedIn), 800)
    })
    return promise
  }
  logIn(){ this.loggedIn=true }
  logOut(){ this.loggedIn=false  }
}
```

```
PS C:\WSangular\routerwithguardsapp> ng g guard author
? Which interfaces would you like to implement? (Press <space> to
 select, <a> to toggle all, <i> to invert selection)
>(*) CanActivate
 ( ) CanActivateChild
 ( ) CanDeactivate
 ( ) CanLoad
```

https://angular.io/guide/router#milestone-5-route-guards

auth.guard.ts (1/2)
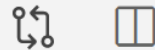
⬡ author.guard.ts ✕

src › app › ⬡ author.guard.ts › 🐾 AuthorGuard

```
1    import { Injectable } from '@angular/core';
2    import {MockAuthService} from './mock-auth.service'
3    import { CanActivate, ActivatedRouteSnapshot,
4        RouterStateSnapshot, Router } from '@angular/router';
5
6    @Injectable({ providedIn: 'root'})
7    export class AuthorGuard implements CanActivate {
```

auth.guard.ts (2/2)

```
 7 ∨ export class AuthorGuard implements CanActivate {
 8      constructor(private authService: MockAuthService,
 9                  private router: Router ){}
10 ∨   canActivate(
11        next: ActivatedRouteSnapshot,
12        state: RouterStateSnapshot): Promise<boolean> {
13        return this.authService.isAuthenticated().then(
14 ∨        (authenticated:boolean) => {
15            if (authenticated) { return true; }
16            else { this.router.navigate(['/']) }
17          }
18        )
19      }
20    }
```

app-routing.module.ts ✕

src > app > ⚛ app-routing.module.ts > ⧉ AppRoutingModule

```
 9
10    const routes: Routes = [
11      { path: '', redirectTo: '/A', pathMatch: 'full' },
12      { path: 'A', component: AComponent },
13      { path: 'B', canActivate: [AuthorGuard], component: BComponent },
14      { path: 'C', component: CComponent },
15      { path: '**', component: NotFoundComponent }
16    ];
17
```

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