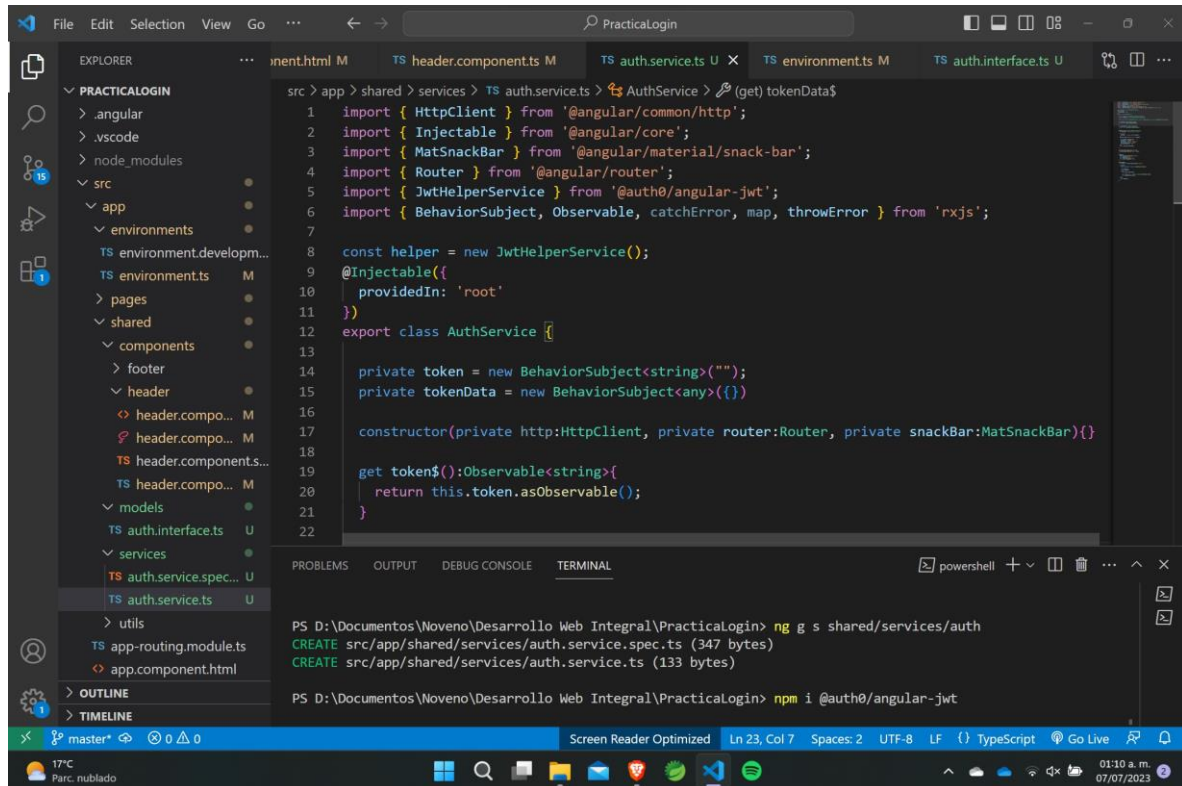


Práctica Frontend - María Mendoza Ramírez

Crear servicio de autenticación

Definir las propiedades token y tokenData como Observables y permitir suscripciones y saber de sus valores



```
src > app > shared > services > TS auth.service.ts > AuthService > (get) tokenData$
1  import { HttpClient } from '@angular/common/http';
2  import { Injectable } from '@angular/core';
3  import { MatSnackBar } from '@angular/material/snack-bar';
4  import { Router } from '@angular/router';
5  import { JwtHelperService } from '@auth0/angular-jwt';
6  import { BehaviorSubject, Observable, catchError, map, throwError } from 'rxjs';
7
8  const helper = new JwtHelperService();
9  @Injectable({
10   providedIn: 'root'
11 })
12 export class AuthService {
13
14   private token = new BehaviorSubject<string>('');
15   private tokenData = new BehaviorSubject<any>({})
16
17   constructor(private http:HttpClient, private router:Router, private snackBar:MatSnackBar){}
18
19   get token():Observable<string>{
20     return this.token.asObservable();
21   }
22 }
```

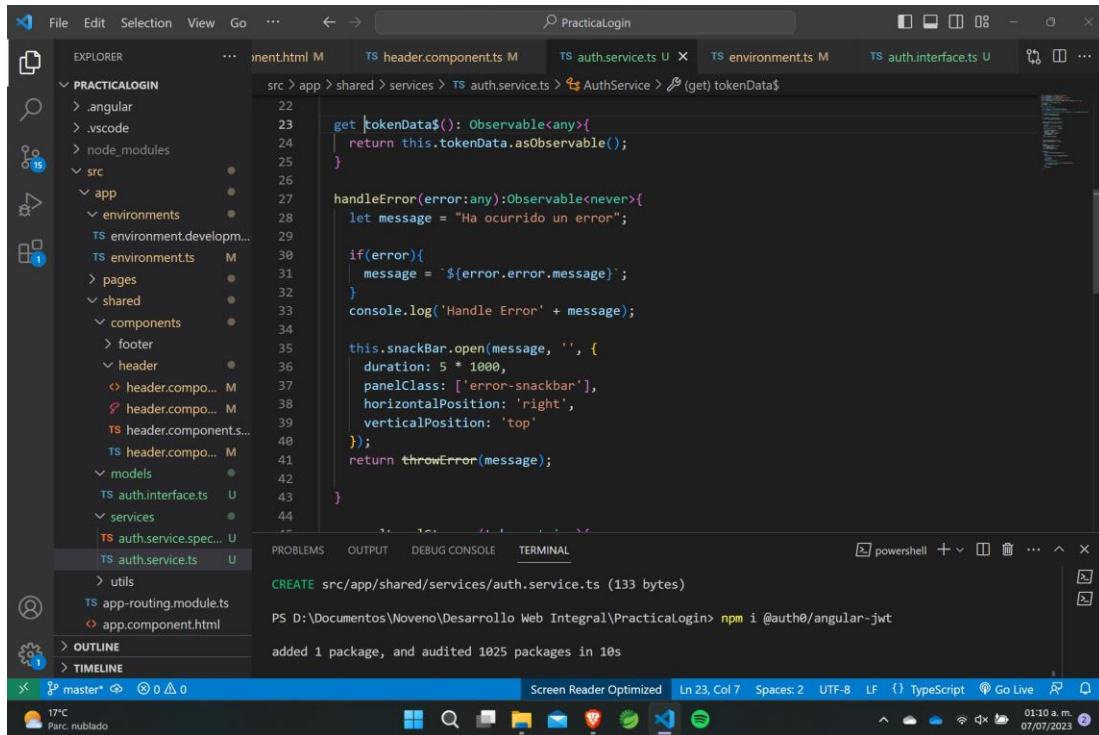
```
PS D:\Documentos\Noveno\Desarrollo Web Integral\PracticalLogin> ng g s shared/services/auth
CREATE src/app/shared/services/auth.service.spec.ts (347 bytes)
CREATE src/app/shared/services/auth.service.ts (133 bytes)

PS D:\Documentos\Noveno\Desarrollo Web Integral\PracticalLogin> npm i @auth0/angular-jwt
```

Agregar una variable llamada helper en auth.service.ts

```
5  import { JwtHelperService } from '@auth0/angular-jwt';
6  import { BehaviorSubject, Observable, catchError, map, throwError } from 'rxjs';
7
8  const helper = new JwtHelperService();
9  @Injectable({
10   providedIn: 'root'
11 })
12 export class AuthService {
13
14   private token = new BehaviorSubject<string>('');
15   private tokenData = new BehaviorSubject<any>({})
16
17   constructor(private http:HttpClient, private router:Router, private snackBar:MatSnackBar){}
18
19   get token():Observable<string>{
20     return this.token.asObservable();
21   }
22 }
```

Método handleError.



The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure for 'PracticalLogin'. The main editor window shows the file 'src/app/shared/services/auth.service.ts' with the following code:

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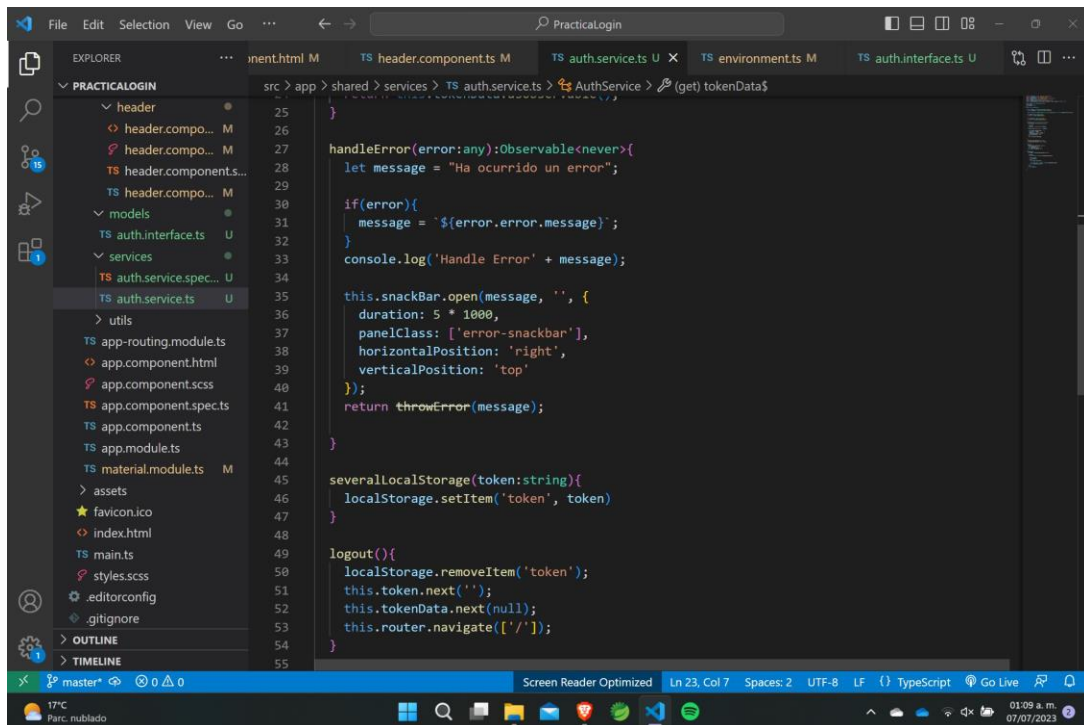
```
get tokenData$(): Observable<any>{  
  return this.tokenData.asObservable();  
}  
  
handleError(error:any):Observable<never>{  
  let message = "Ha ocurrido un error";  
  
  if(error){  
    message = `${error.error.message}`;  
  }  
  console.log('Handle Error' + message);  
  
  this.snackBar.open(message, '', {  
    duration: 5 * 1000,  
    panelClass: ['error-snackbar'],  
    horizontalPosition: 'right',  
    verticalPosition: 'top'  
  });  
  return throwError(message);  
}
```

The bottom panel shows the terminal output:

```
CREATE src/app/shared/services/auth.service.ts (133 bytes)  
PS D:\Documentos\Noveno\Desarrollo Web Integral\PracticalLogin> npm i @auth0/angular-jwt  
added 1 package, and audited 1025 packages in 10s
```

Guardado de sesión

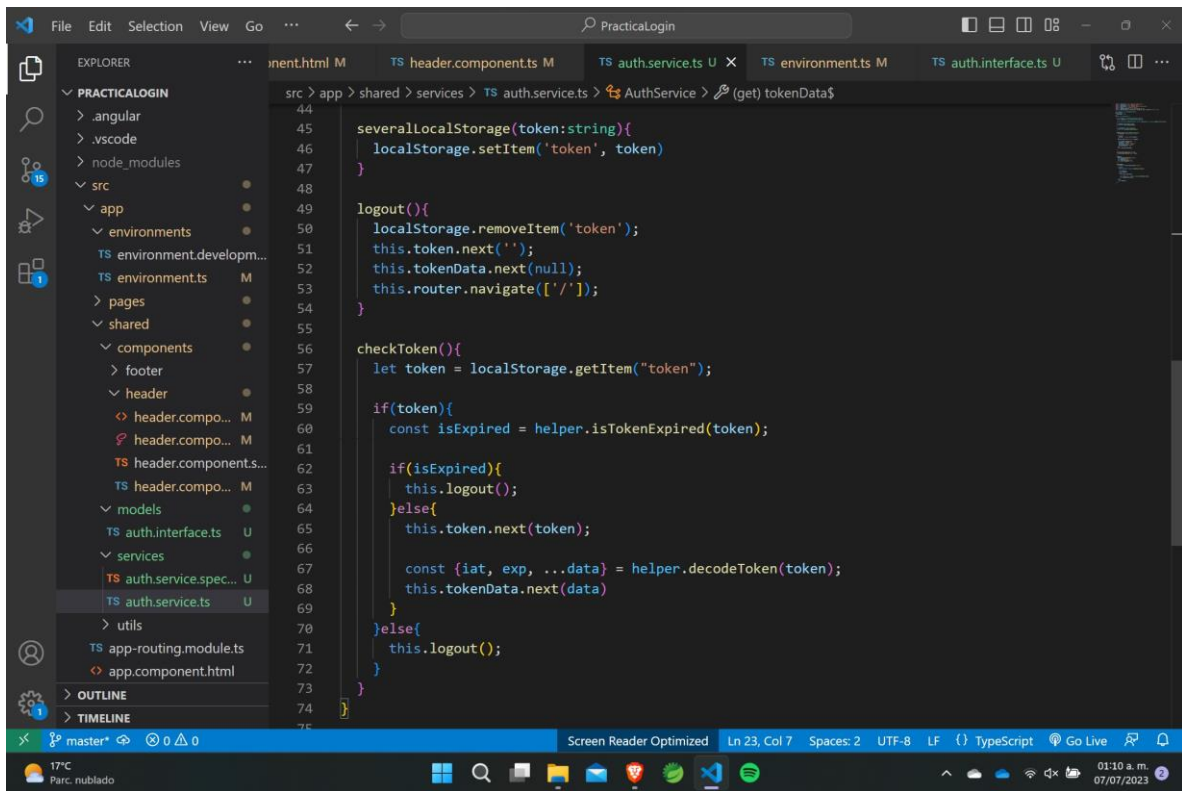
Métodos saveLocalStorage, logout y checkToken.



The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure for 'PracticalLogin'. The main editor window shows the file 'src/app/shared/services/auth.service.ts' with the following code:

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```
handleError(error:any):Observable<never>{  
  let message = "Ha ocurrido un error";  
  
  if(error){  
    message = `${error.error.message}`;  
  }  
  console.log('Handle Error' + message);  
  
  this.snackBar.open(message, '', {  
    duration: 5 * 1000,  
    panelClass: ['error-snackbar'],  
    horizontalPosition: 'right',  
    verticalPosition: 'top'  
  });  
  return throwError(message);  
}  
  
saveLocalStorage(token:string){  
  localStorage.setItem('token', token)  
}  
  
logout(){  
  localStorage.removeItem('token');  
  this.token.next('');  
  this.tokenData.next(null);  
  this.router.navigate(['/']);  
}
```



```
src > app > shared > services > TS auth.service.ts > AuthService > (get) tokenData$
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severalLocalStorage(token:string){
  localStorage.setItem('token', token)
}

logout(){
  localStorage.removeItem('token');
  this.token.next('');
  this.tokenData.next(null);
  this.router.navigate(['/']);
}

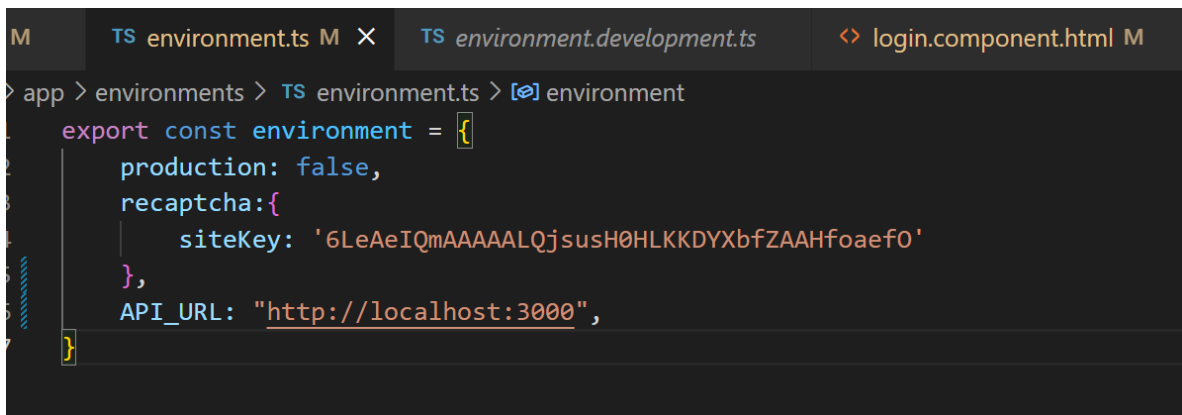
checkToken(){
  let token = localStorage.getItem("token");

  if(token){
    const isExpired = helper.isTokenExpired(token);

    if(isExpired){
      this.logout();
    }else{
      this.token.next(token);

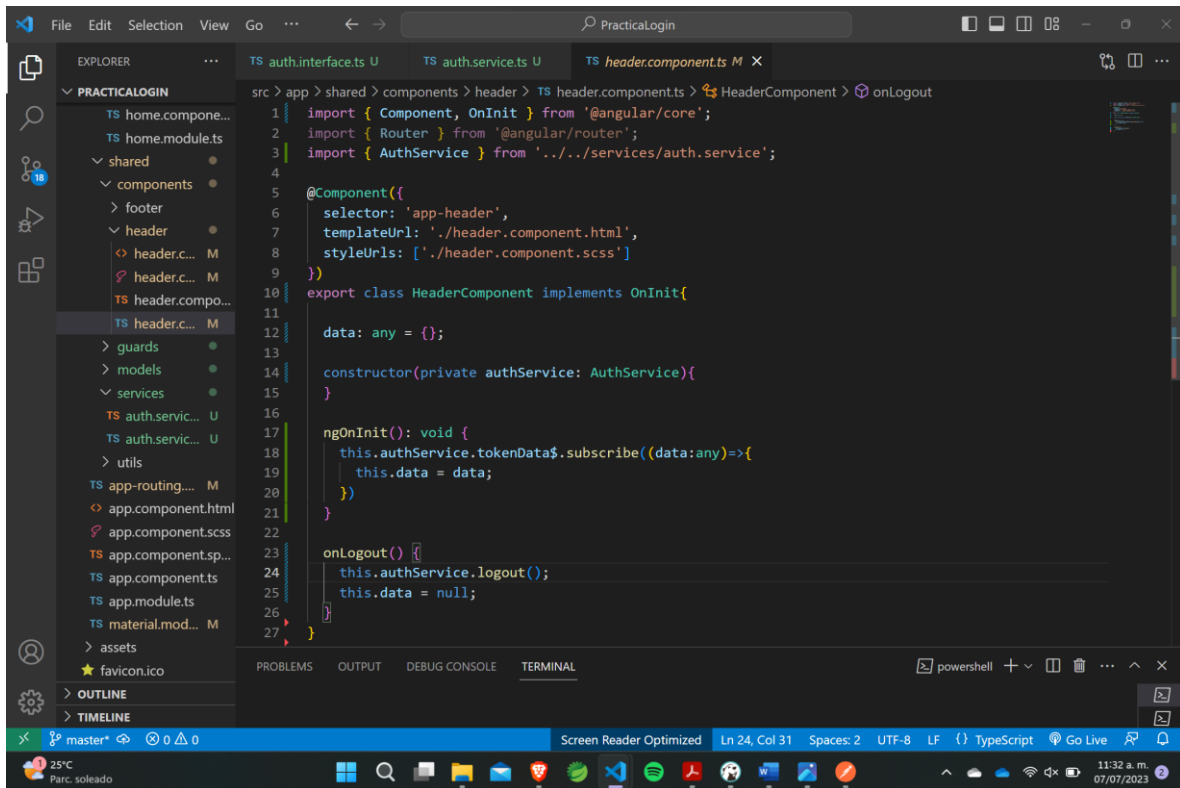
      const {iat, exp, ...data} = helper.decodeToken(token);
      this.tokenData.next(data)
    }
  }else{
    this.logout();
  }
}
```

Modificar archivo environments



```
M TS environment.ts M X TS environment.development.ts <> login.component.html M
> app > environments > TS environment.ts > [🔗] environment
export const environment = {
  production: false,
  recaptcha:{
    siteKey: '6LeAeIQmAAAAALQjsusH0HLKKDYXbfZAAHfoaef0'
  },
  API_URL: "http://localhost:3000",
}
```

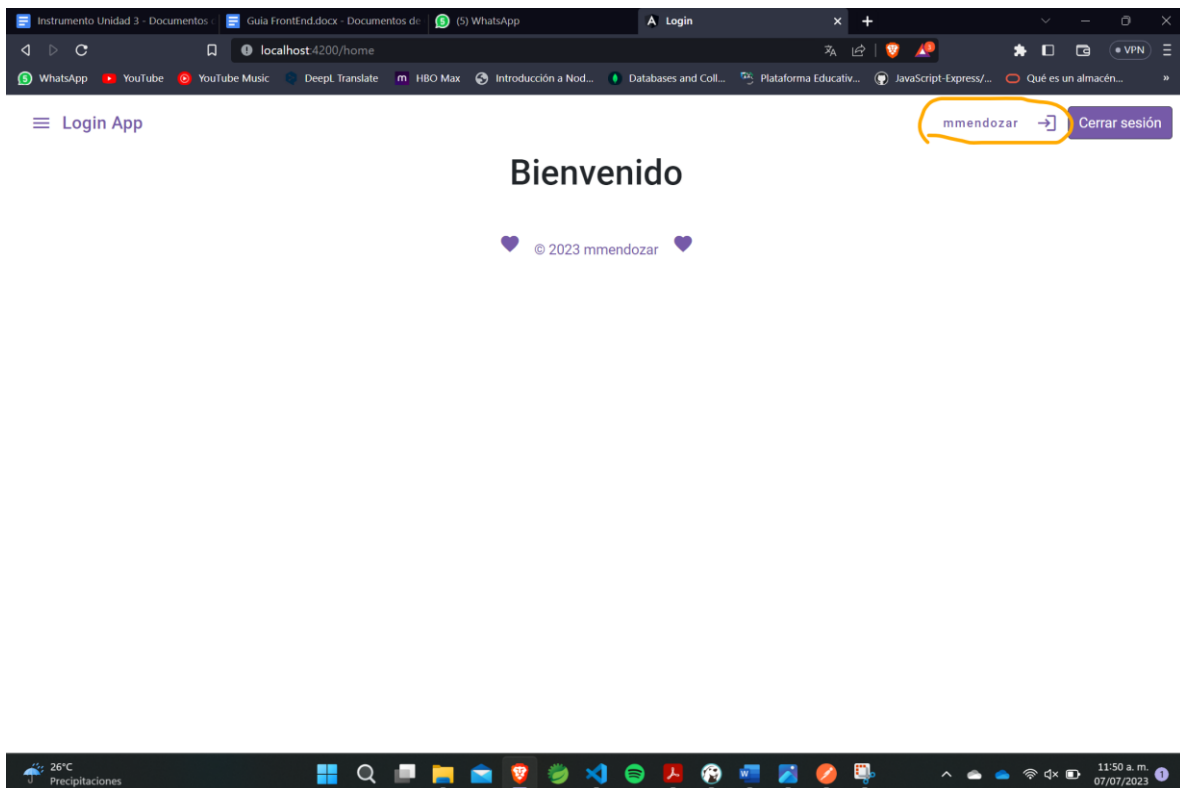
Modificar el header



The screenshot shows the Visual Studio Code editor with the file `header.component.ts` open. The file is located in the `src > app > shared > components > header` directory. The code implements the `HeaderComponent` class, which inherits from `OnInit`. It imports `Component`, `OnInit` from `@angular/core`, `Router` from `@angular/router`, and `AuthService` from `../services/auth.service`. The component has a selector of `'app-header'`, a templateUrl of `./header.component.html`, and styleUrls of `['./header.component.scss']`. The `constructor` takes an `AuthService` parameter. The `ngOnInit` method subscribes to `this.authService.tokenData` and sets `this.data` to the received data. The `onLogout` method calls `this.authService.logout()` and sets `this.data` to `null`.

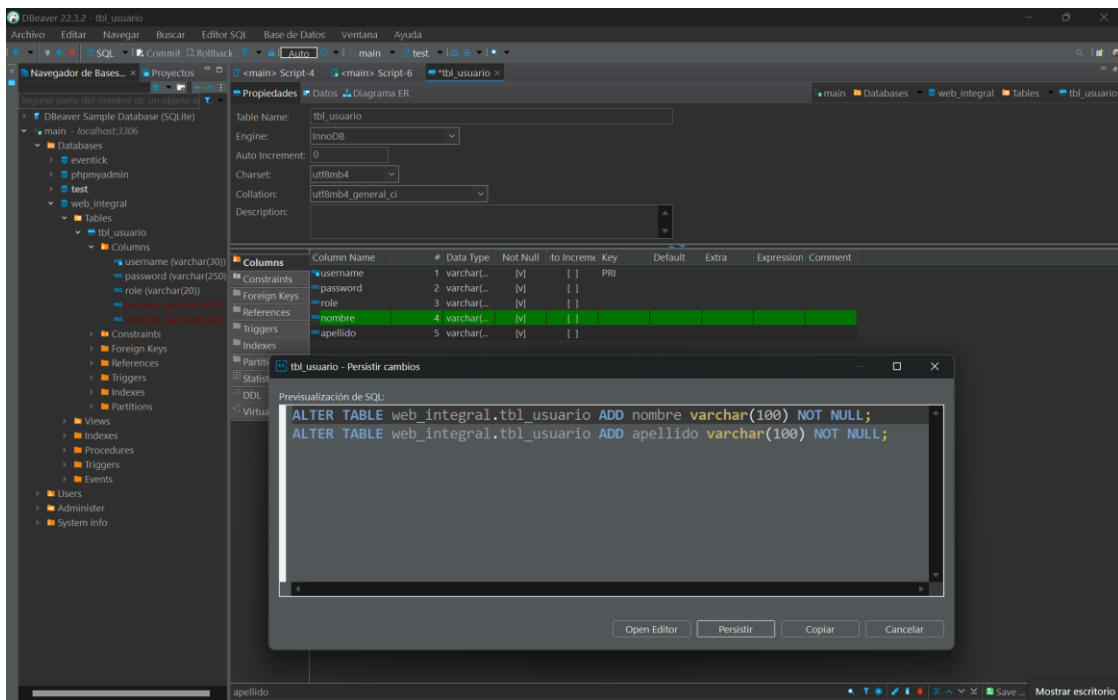
```
1 import { Component, OnInit } from '@angular/core';
2 import { Router } from '@angular/router';
3 import { AuthService } from '../services/auth.service';
4
5 @Component({
6   selector: 'app-header',
7   templateUrl: './header.component.html',
8   styleUrls: ['./header.component.scss']
9 })
10 export class HeaderComponent implements OnInit {
11
12   data: any = {};
13
14   constructor(private authService: AuthService) {
15   }
16
17   ngOnInit(): void {
18     this.authService.tokenData.subscribe((data: any) => {
19       this.data = data;
20     });
21   }
22
23   onLogout() {
24     this.authService.logout();
25     this.data = null;
26   }
27 }
```

Así se muestra hasta el momento

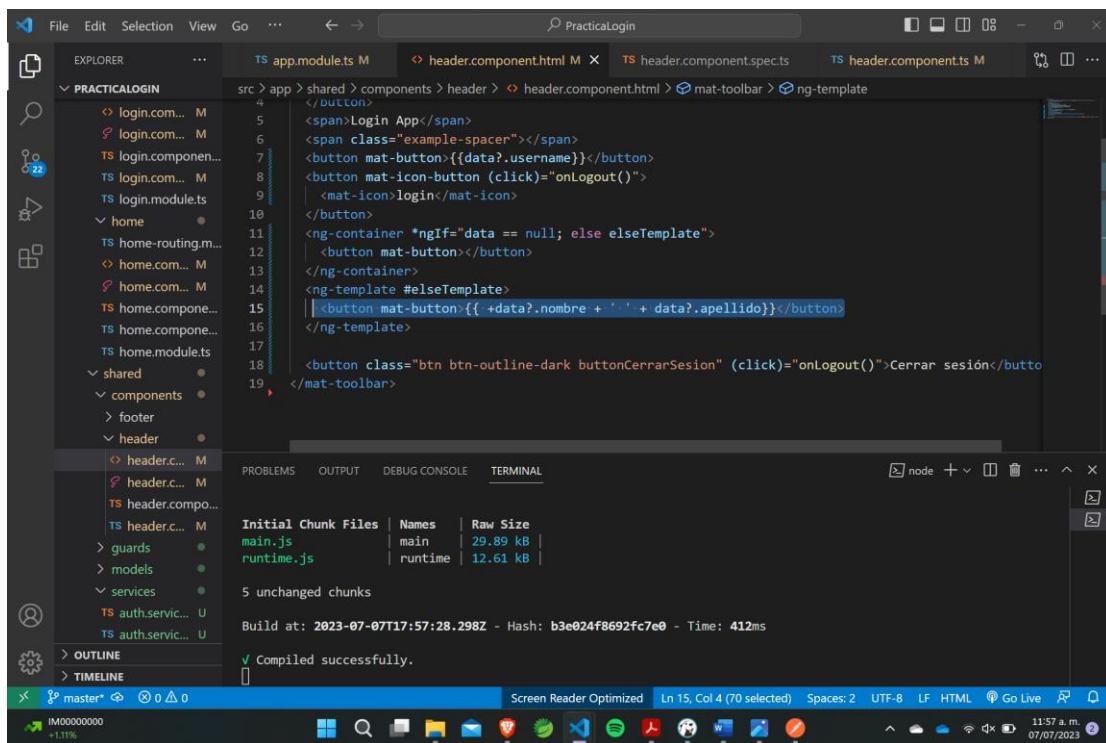


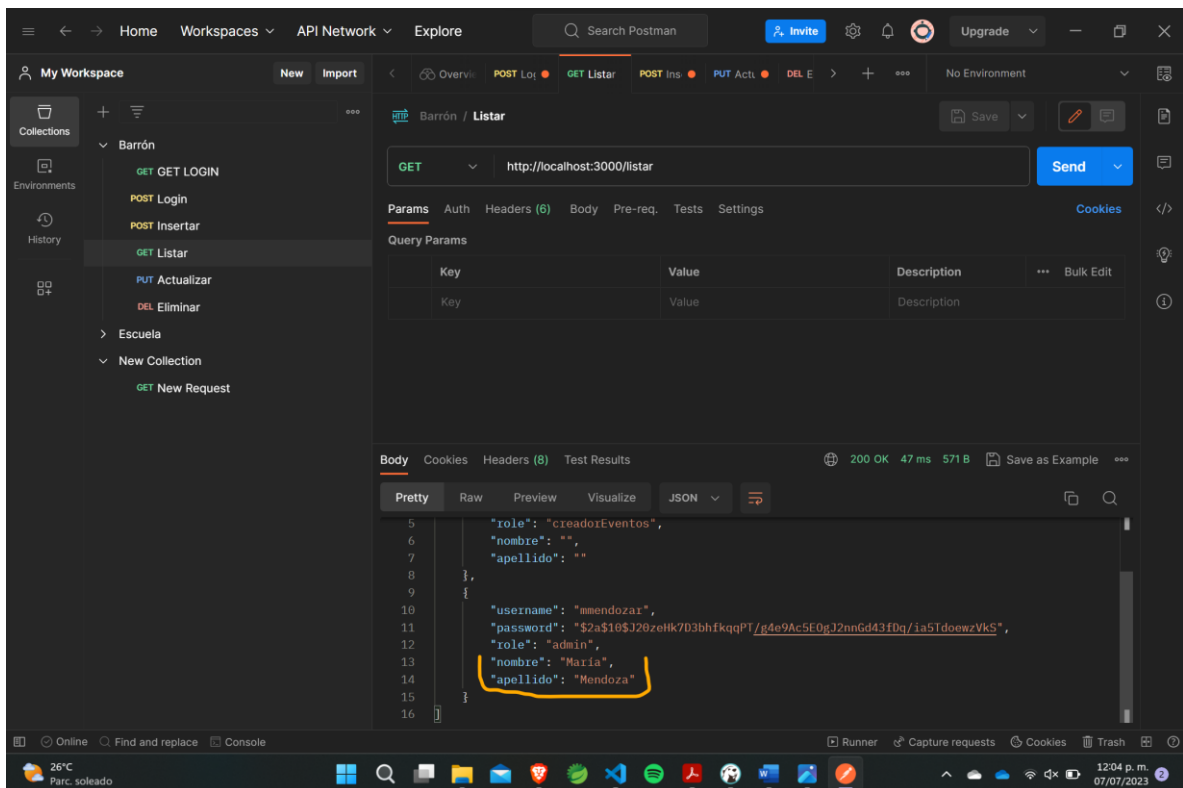
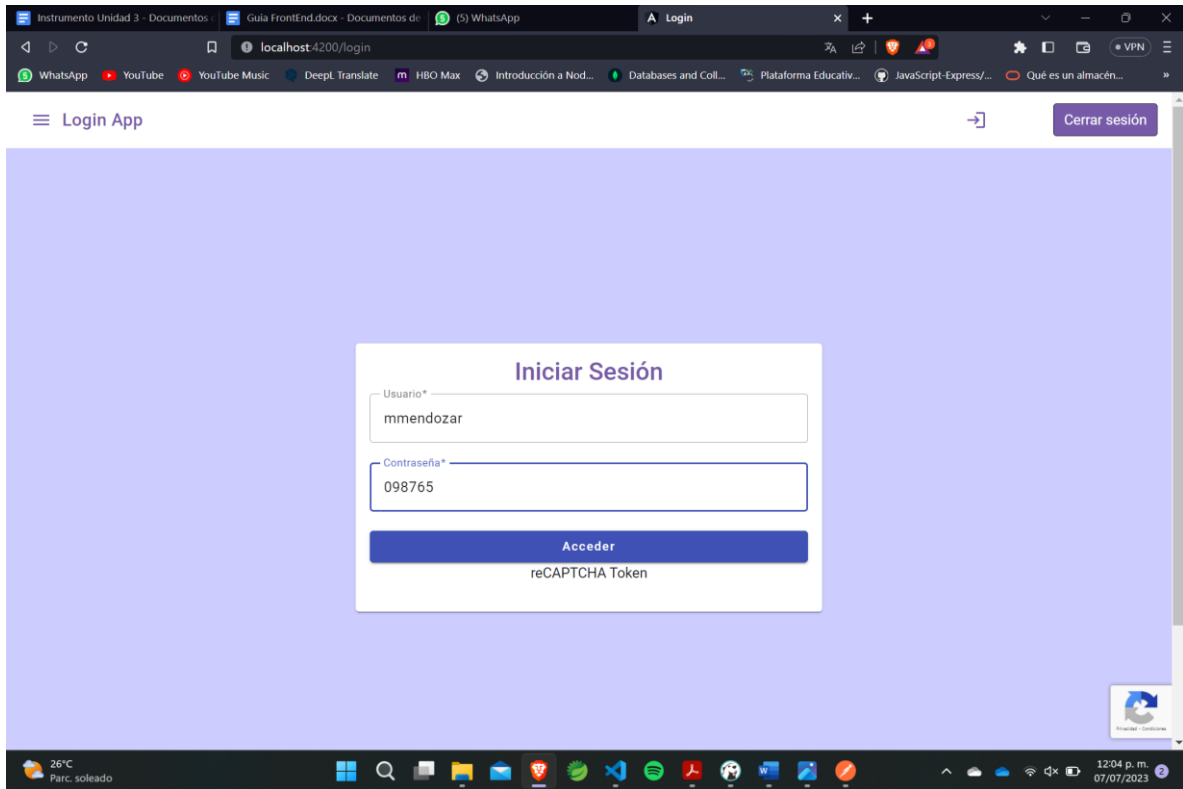
Desafío.

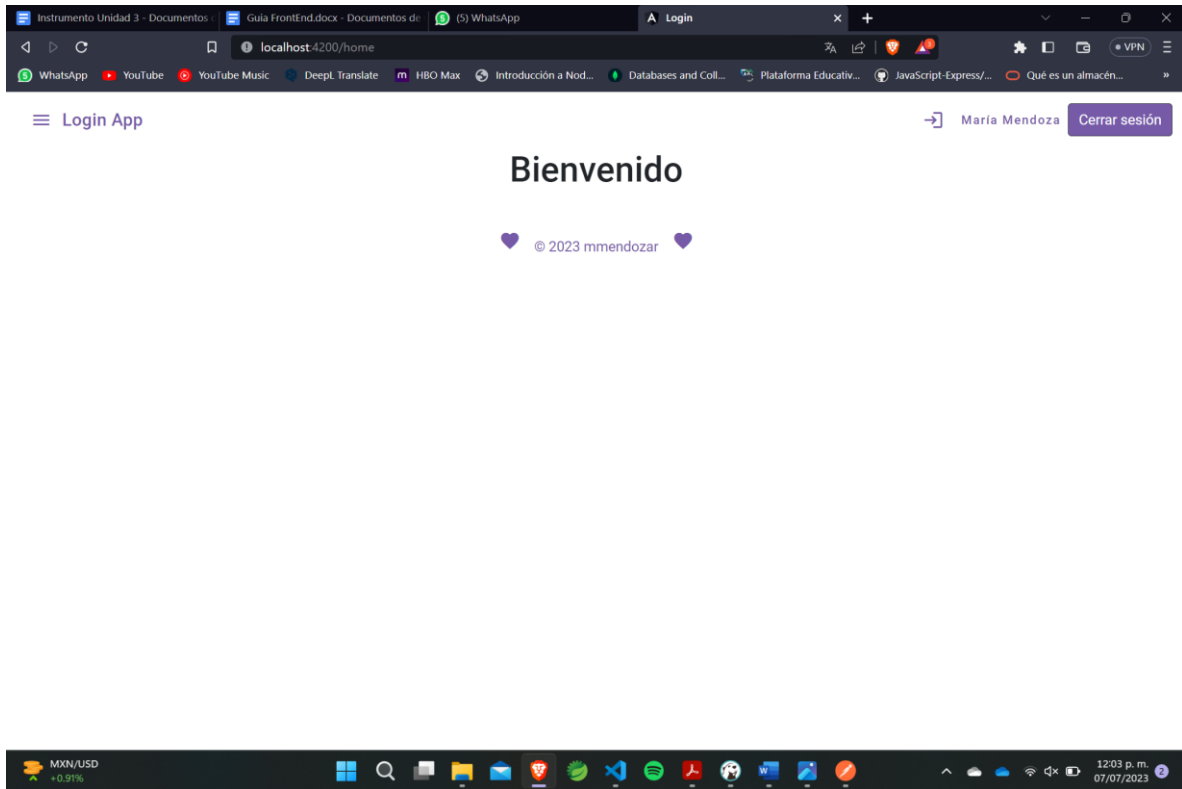
Agregar los campos nombre y apellido a la tabla.



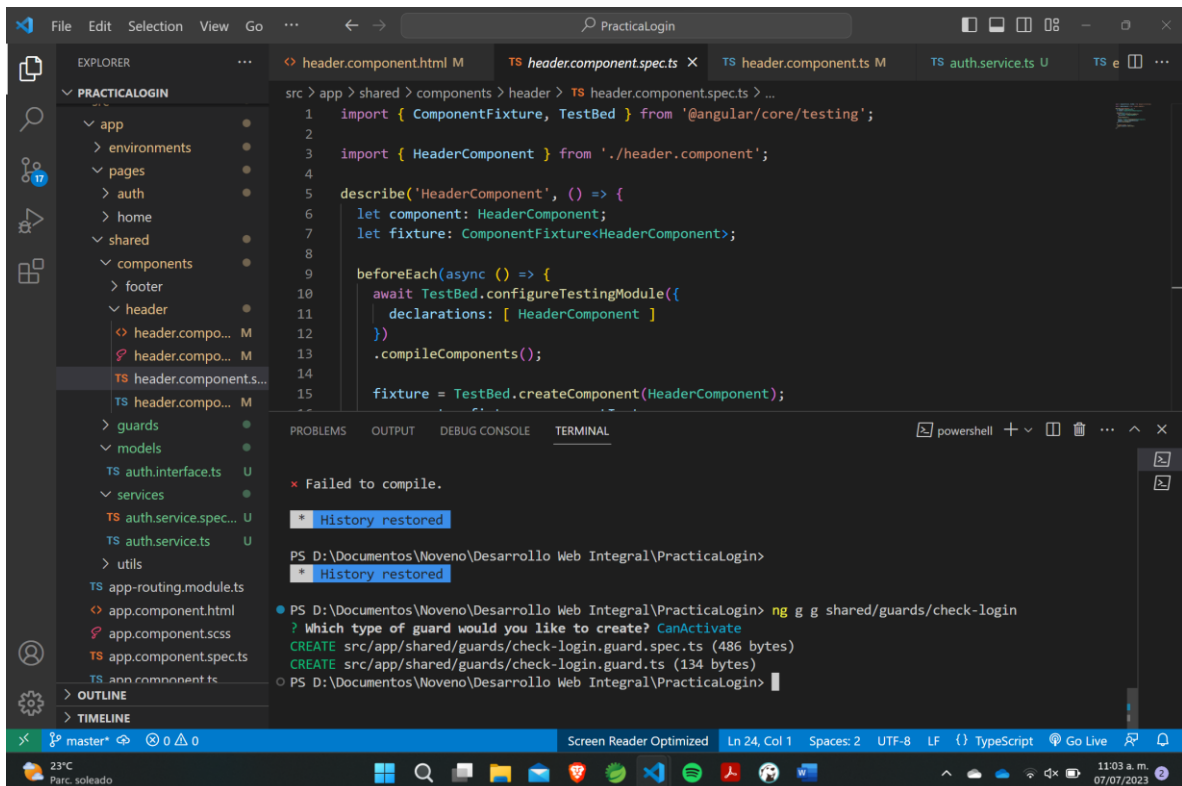
Mostrarlos una vez que el usuario esté logueado.

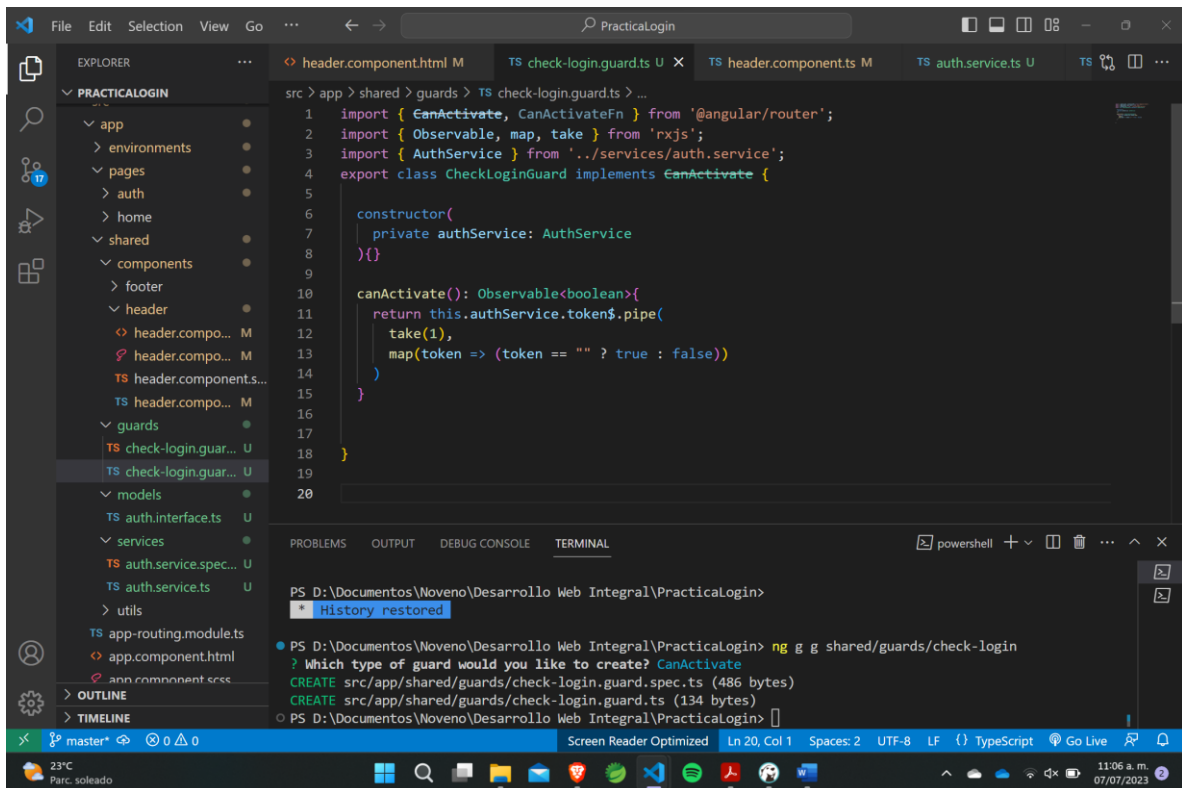




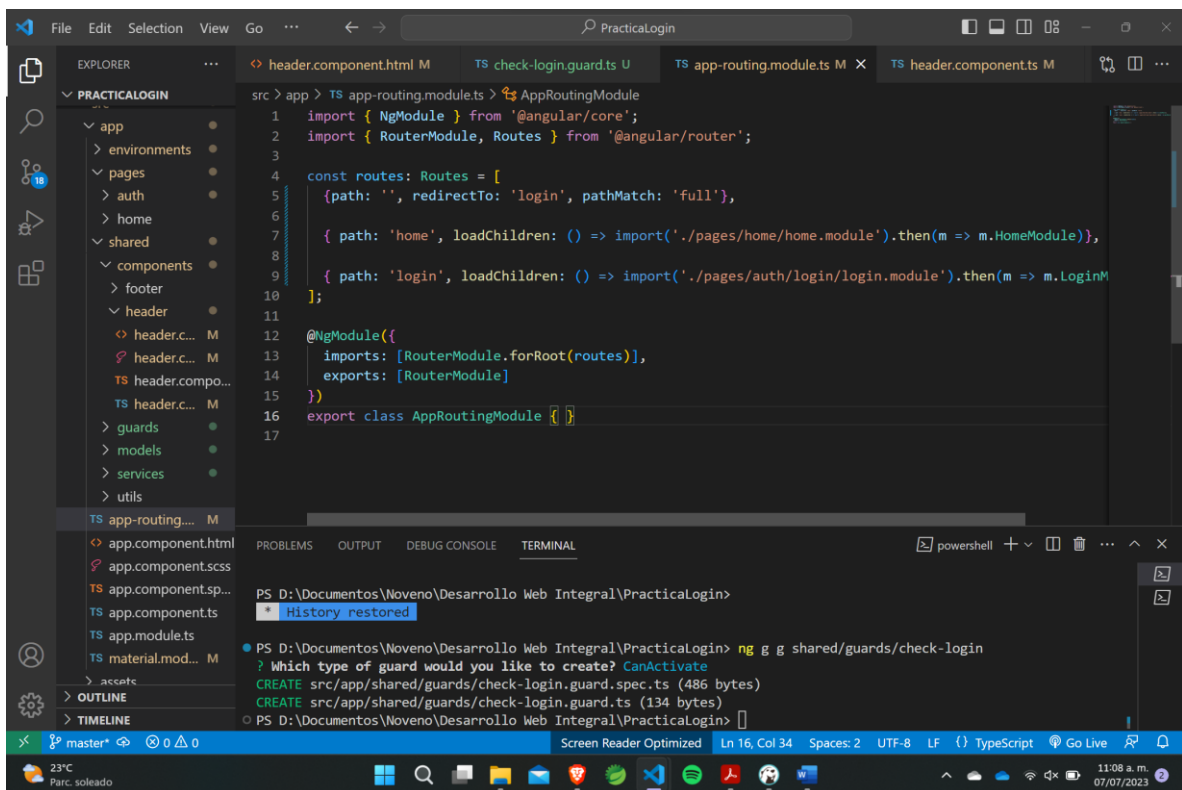


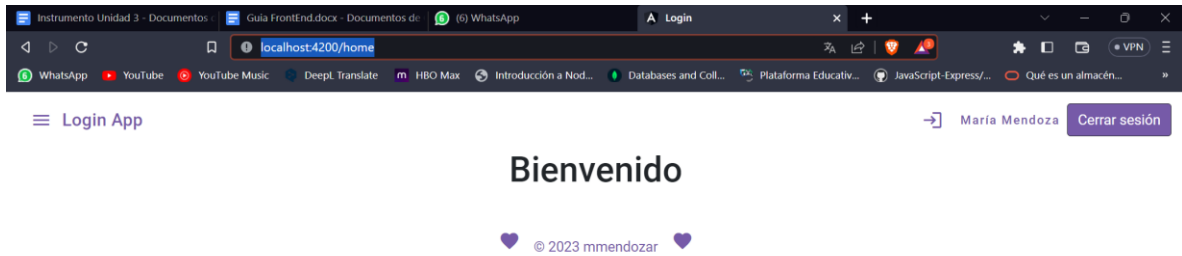
Protección de rutas





Modificar app-routing





Ahora, si intentamos acceder a <http://localhost:4200/home> sin haber iniciado sesión, redirige al login.

