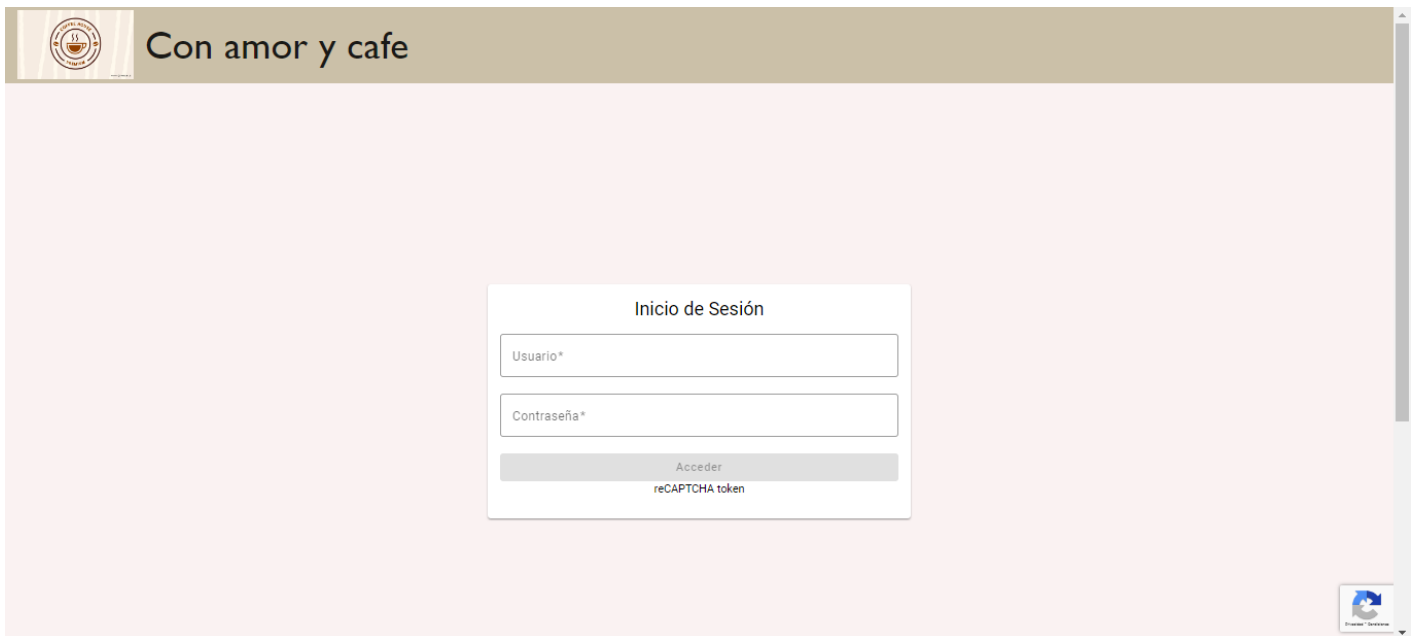


## Imagen del login con el icono del recaptcha



## Imagen de código donde se implementó recaptcha

```
environment.ts  environment.development.ts  app.module.ts
src > environments > environment.development.ts > environment > recaptcha
1  export const environment = {
2    production: false,
3    recaptcha:{
4      | sitekey: '6LdHkYQmAAAAADPrPhI9H7Sjve6VhiHYYbzHtUCb'
5    }
6  };
7
```

```
environment.ts  environment.development.ts  app.module.ts
src > environments > environment.ts > environment
1  export const environment = {
2    production: false,|
3    recaptcha:{
4      | sitekey: '6LdHkYQmAAAAADPrPhI9H7Sjve6VhiHYYbzHtUCb'
5    }
6  };
7
```


```
src > app > app.module.ts > AppModule
24   BrowserModule,
25   MaterialModule,
26   MatToolbarModule,
27   MatIconModule,
28   RecaptchaV3Module
29 ],
30 providers: [
31   {
32     provide: RECAPTCHA_V3_SITE_KEY,
33     useValue: environment.recaptcha.sitekey,
34   },
35   bootstrap: [AppComponent]
36 })
37 export class AppModule { }
```

```
src > app > app.module.ts > AppModule
11 import { MatIconModule } from '@angular/material/icon';
12 import { RECAPTCHA_V3_SITE_KEY, RecaptchaV3Module } from 'ng-recaptcha';
13 import { environment } from '../environments/environment';
14
15 @NgModule({
16   declarations: [
17     AppComponent,
18     HeaderComponent,
19     FooterComponent
20   ],
21   imports: [
22     BrowserModule,
23     AppRoutingModule,
24     BrowserModule,
25     MaterialModule,
26     MatToolbarModule,
27     MatIconModule,
28     RecaptchaV3Module
29 ],
```

```
environment.development.ts  app.module.ts  login.component.ts  login.component.html
> app > pages > auth > login > login.component.ts > LoginComponent > constructor
password: 1, validators: required, validators.minLength(8));
7   });
8
9   tokenVisible: boolean=true;
10  reCAPTCHA token: string="";
11  constructor(private fb: FormBuilder, public baseForm: BaseForm, private router: Router,
12    private recaptchaV3Service: RecaptchaV3Service){}
13
14
15  ngOnInit(): void {
16
17  }
18
19  onLogin(){
20    //this.router.navigate(['/home']);
21    this.recaptchaV3Service.execute('importantAction').subscribe((token:string)=>{
22      this.tokenVisible = true;
23      this.reCAPCHAToken=`Token[${token}]generated`;
24    });
25  }
26 }
```

```
environment.development.ts  app.module.ts  login.component.ts  login.component.html x
src > app > pages > auth > login > login.component.html > mat-grid-list.fondo > mat-grid-tile > mat-card > mat-card-content > for
16   <mat-label>Contraseña</mat-label>
17   <input type="password" FormControlName="password" matInput autocomplete="new-passw,
18   <mat-error *ngIf="baseForm.isValidField(loginForm.get('password'))">
19     {{ baseForm.getErrorMessage(loginForm.get("password")) }}
20   </mat-error>
21 </mat-form-field>
22
23   <button type="submit" mat-raised-button color="primary" [disabled]="loginForm.invalid">
24   <div *ngIf="tokenVisible">reCAPTCHA token <br/>
25   | <p style="color: red">{{reCAPCHAToken}}</p>
26   </div>
27   </form>
28   </mat-card-content>
29   </mat-card>
30   </mat-grid-tile>
31 </mat-grid-list>
```

## Imagen del token en la pantalla del login



# Con amor y café

### Inicio de Sesión

Usuario\*

dff


Contraseña\*

2344

Acceder

reCAPTCHA token

Token[03AL8dmw\_am7iOqkDyKjxBbM\_Lp34uVBgm\_HCIkd8qHojTaMnG8zSbiPeijeyrtIQ05qTmYAR5g9rJMaqByJEvElrQ8p25wMI-80TQDIAHO\_xYRERYHKOG05G35iBELBSFkdedpCAxWnkQITdBNfSFkccGmiS\_BsHoDMcVfavLTszDnnKo0kizbcslTbuEK0oO\_ATQv27LXYGb7N8aSHIE8XruicqgMdwSqxJLaSxGv\_BLFbkG8Q8fUMA9abNCx6Jkk6wQE7kqsy56csAQ1v4y7xdMR2Lo9VjlvQkQ9dnLvcp3hP5vpDs-ze\_9ZyJB2rj003FTD4ILj6rH0GB3giNCggnQQEpYI5dPIYC3gu51bHvJJI5SuSZ0Juncg6CnD173r\_GANaqaXY0MLsUGijEzfoSG6L9QlpdsP9QIE9IKNnmKb5J4HCzd7JOUYQc3N3JCZBK0x\_U1uHely\_nU6LTgSuYOeznJlQlw6kXCkli5AlIhVpwkCkBgL-c-1UWf7aRg6kM5Nn\_hQIYM3rHdWvnQIKYJhPK51v\_CYK4AdczHHpQMyHFYy-2nm0Y7n3At2qVw7QJTzeA38u9AU9cd93uHMcgmaZAaXZW79M9pXXkNJ08PYG4qJ9NHjak1Vvbc2LCRBfHeaHPG-rPq1BF7\_0GOoQ\_RYCO0QtdNn0s\_\_jit2a1IUHaQH09Q039xOmX10MfN3YgdbP9-\_z1A\_\_ID006FIax6g8t0ysZw30Pj0Hix1Z4FYozA5FS0HXorpfKiWiySR7PeW3pML37iScY2j4hvdqHQcmP6InQ0I3ceinaaQ77\_NLrYWknBzh0z6cLtyXdh3UwlijCQbqTjs\_UISiWTUwHhT4h46Xkcv043erGlCA0-RkdAA\_ayaJ0DvpFcWw-5mGTAN6xwCR\_cgwpueABmLu933ZsgaYeXdl63pAQeo\_\_wsNHE0z7Ye2AeWvU6ibNNV7NMagvQF4zpGfYbOCTAKuHZ2ILUubAvTdxrCrfFaWgc3n\_Bq8\_yLUuQCF8QcHvc6H76XP02ytJalUB8fRon

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