

ANGULAR 1

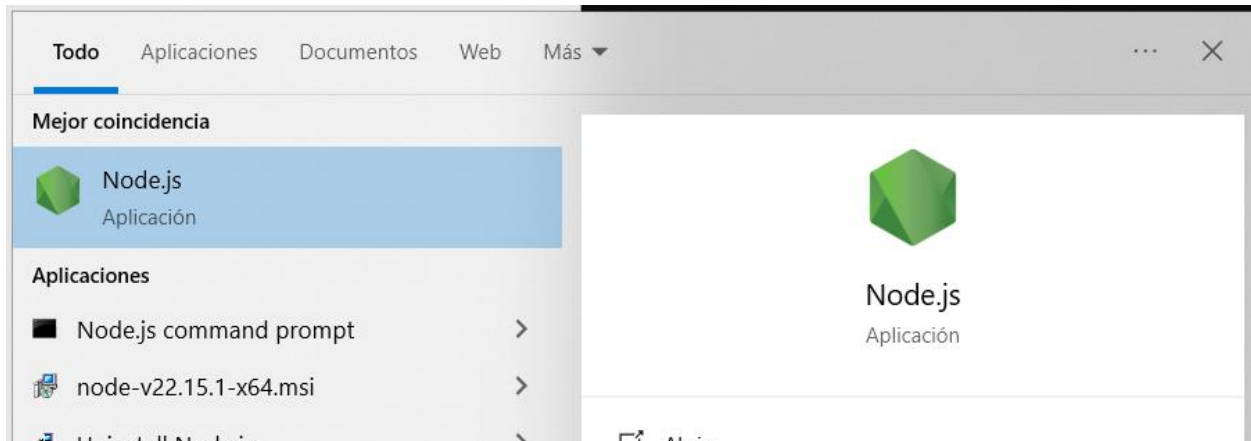
Desarrollo de diapositivas/PWEB2

Diego Aristides Cervantes Apaza

CUI:20213037

DIAPOSITIVA 5:

Instalación de Node



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Versión 10.0.19045.5965]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\USUARIO>$node --version
"$node" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.

C:\Users\USUARIO>$ node --version
"$" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.

C:\Users\USUARIO>node --version
v22.15.1
```

INSTALACIÓN DE NODE.JS CORRECTA

DIAPPOSITIVA 6:

Instalación LOCAL de Angular (escogida)

```

PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avancesDjango> cd ..
PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA> cd avanceGitAngular
PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular> cd proyectoAngular
PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular\proyectoAngular> npm install @angular/cli

added 253 packages in 30s

49 packages are looking for funding
  run `npm fund` for details

npm notice
npm notice New major version of npm available! 10.9.2 -> 11.4.2
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.4.2
npm notice To update run: npm install -g npm@11.4.2
npm notice
PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular\proyectoAngular> 

```

```
found 0 vulnerabilities
PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular\proyectoAngular> npx ng versio
n

  Angular CLI

Angular CLI: 20.0.5
Package Manager: npm 10.9.2
OS: win32 x64

Angular: undefined
...

Package                                Version
-----
@angular-devkit/architect              0.2000.5
@angular-devkit/core                  20.0.5
@angular-devkit/schematics             20.0.5
@angular/cli                           20.0.5
@schematics/angular                    20.0.5

PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular\proyectoAngular> npx ng --version
20.0.5
```

INSTALACIÓN DEL ANGULAR CLIENTE CORRECTA.

DIAPPOSITIVA 8: Creación de una app en Angular

```
CREATE my-dream-app/package.json (1134 bytes)
CREATE my-dream-app/README.md (1532 bytes)
CREATE my-dream-app/tsconfig.json (1026 bytes)
CREATE my-dream-app/.editorconfig (331 bytes)
CREATE my-dream-app/.gitignore (629 bytes)
CREATE my-dream-app/tsconfig.app.json (444 bytes)
CREATE my-dream-app/tsconfig.spec.json (422 bytes)
CREATE my-dream-app/.vscode/extensions.json (134 bytes)
CREATE my-dream-app/.vscode/launch.json (490 bytes)
CREATE my-dream-app/.vscode/tasks.json (980 bytes)
CREATE my-dream-app/src/main.ts (228 bytes)
CREATE my-dream-app/src/index.html (309 bytes)
CREATE my-dream-app/src/styles.css (81 bytes)
CREATE my-dream-app/src/app/app.spec.ts (693 bytes)
CREATE my-dream-app/src/app/app.ts (281 bytes)
CREATE my-dream-app/src/app/app.css (0 bytes)
CREATE my-dream-app/src/app/app.html (20436 bytes)
CREATE my-dream-app/src/app/app.config.ts (412 bytes)
CREATE my-dream-app/src/app/app.routes.ts (80 bytes)
CREATE my-dream-app/public/favicon.ico (15086 bytes)
✓ Packages installed successfully.
  Directory is already under version control. Skipping initialization of git.
PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular\proyectoAngular> cd my-dream-app
PS C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular\proyectoAngular\my-dream-app>
```

```
C:\Users\USUARIO\Downloads\PWEB2-TEORIA\avanceGitAngular\proyectoAngular\my-dream-app>npx ng serve

Initial chunk files | Names          | Raw size
main.js            | main           | 48.35 kB |
polyfills.js       | polyfills      | 95 bytes |
styles.css         | styles        | 95 bytes |

| Initial total | 48.54 kB

Application bundle generation complete. [1.966 seconds]

Watch mode enabled. Watching for file changes...
NOTE: Raw file sizes do not reflect development server per-request transformations.
→ Local:   http://localhost:4200/
```



Hello, my-dream-app

Congratulations! Your app is running. 🎉

[Explore the Docs](#)

[Learn with Tutorials](#)

[Prompt and best practices for AI](#)

[CLI Docs](#)

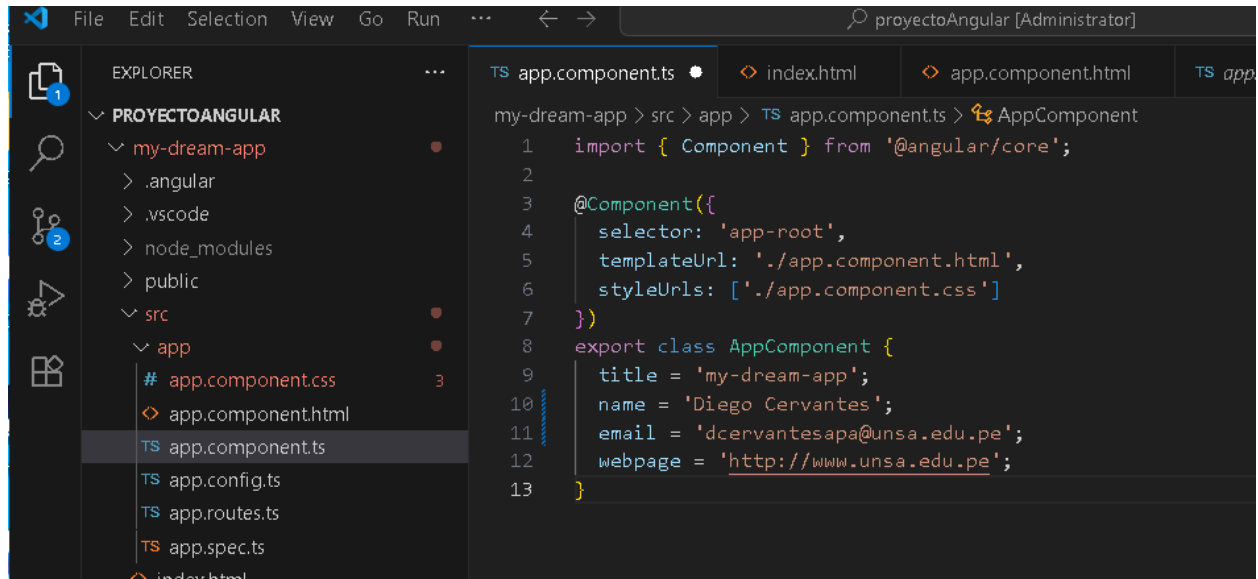
[Angular Language Service](#)

[Angular DevTools](#)



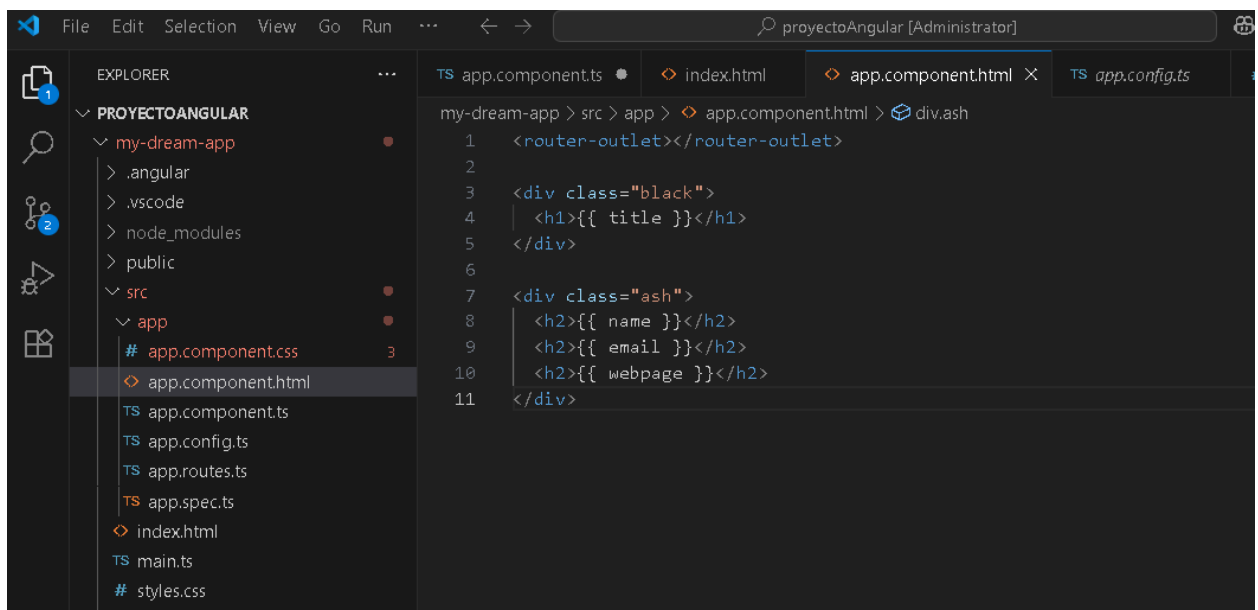
INSTALACIÓN DEL PROYECTO my-dream-app CORRECTA

DIAPPOSITIVA 11: Verificar los archivos:



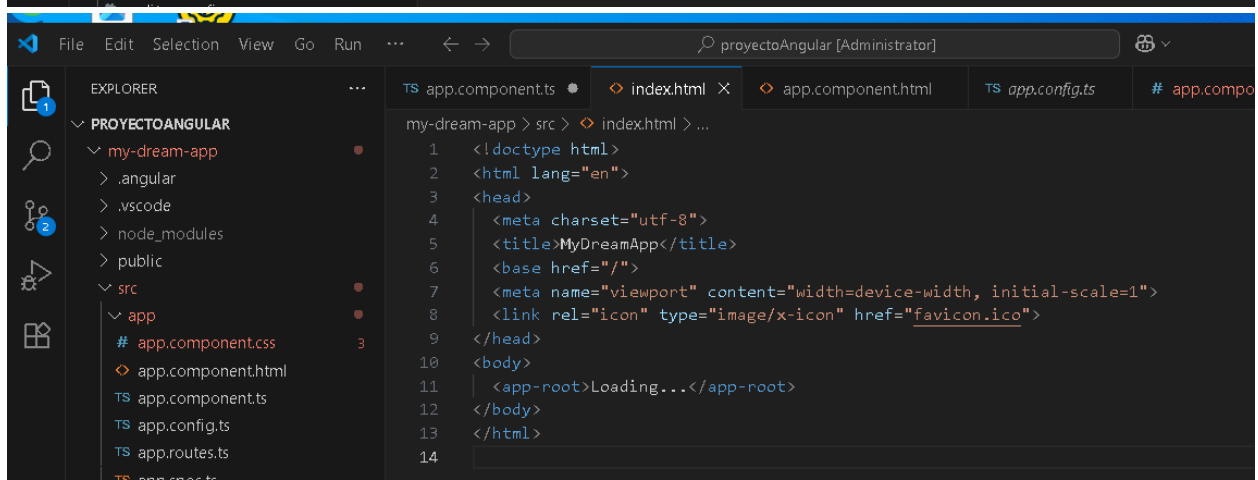
This screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the project structure for 'PROYECTOANGULAR', with the 'app' folder expanded to show 'app.component.ts' selected. The main editor area displays the content of 'app.component.ts'.

```
my-dream-app > src > app > TS app.component.ts > AppComponent
1  import { Component } from '@angular/core';
2
3  @Component({
4    selector: 'app-root',
5    templateUrl: './app.component.html',
6    styleUrls: ['./app.component.css']
7  })
8  export class AppComponent {
9    title = 'my-dream-app';
10   name = 'Diego Cervantes';
11   email = 'dcervantesapa@unsa.edu.pe';
12   webpage = 'http://www.unsa.edu.pe';
13 }
```



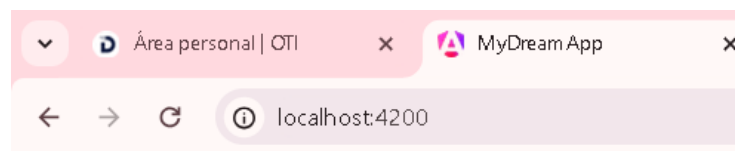
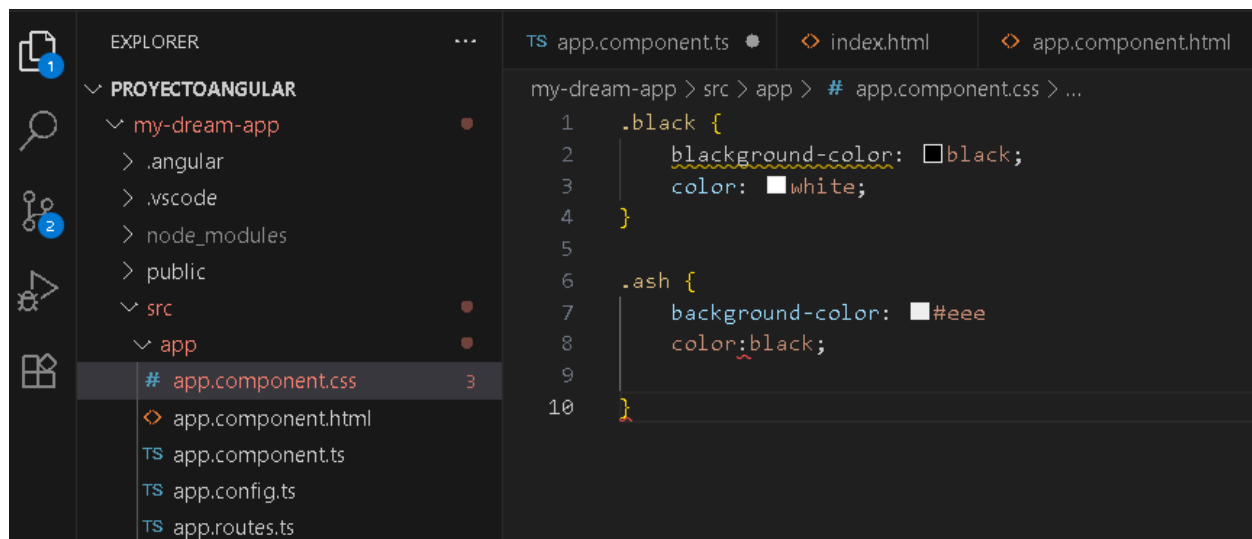
This screenshot shows the Visual Studio Code interface with 'app.component.html' selected in the Explorer and displayed in the main editor.

```
my-dream-app > src > app > app.component.html > div.ash
1  <router-outlet></router-outlet>
2
3  <div class="black">
4    <h1>{{ title }}</h1>
5  </div>
6
7  <div class="ash">
8    <h2>{{ name }}</h2>
9    <h2>{{ email }}</h2>
10   <h2>{{ webpage }}</h2>
11 </div>
```



This screenshot shows the Visual Studio Code interface with 'index.html' selected in the Explorer and displayed in the main editor.

```
my-dream-app > src > index.html > ...
1  <!doctype html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <title>MyDreamApp</title>
6    <base href="/">
7    <meta name="viewport" content="width=device-width, initial-scale=1">
8    <link rel="icon" type="image/x-icon" href="favicon.ico">
9  </head>
10 <body>
11   <app-root>Loading...</app-root>
12 </body>
13 </html>
14
```



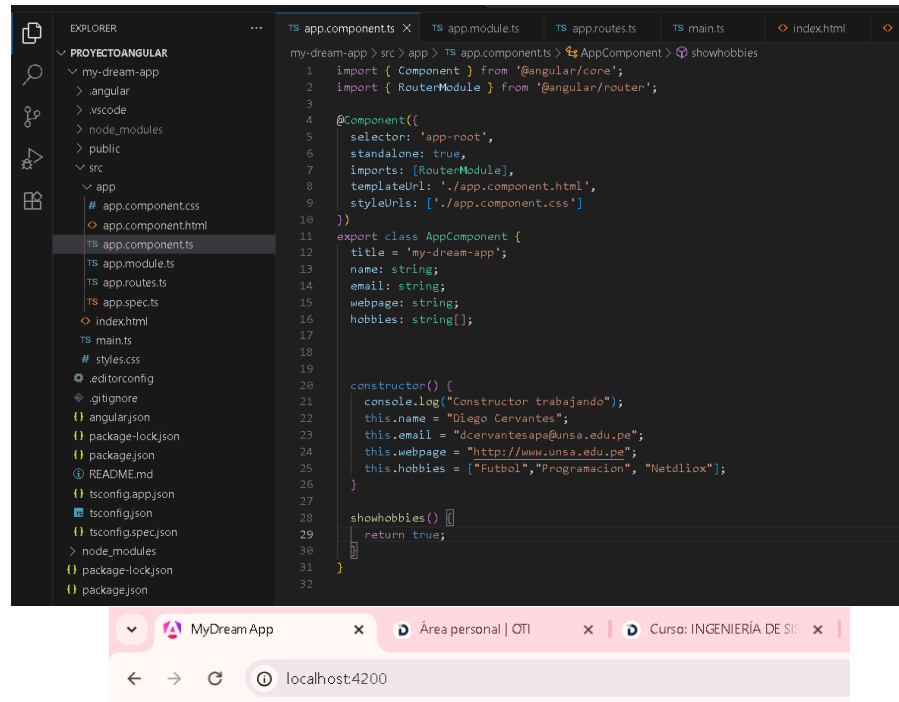
Diego Cervantes

dcervantesapa@unsa.edu.pe

<http://www.unsa.edu.pe>

Verificación de archivos correcta de src/app/app.component.ts; src/app/app.component.html
;src/app/app.component.css

DIAPPOSITIVA 13: Agregando Constructor y usando For e Ifs:



my-dream-app

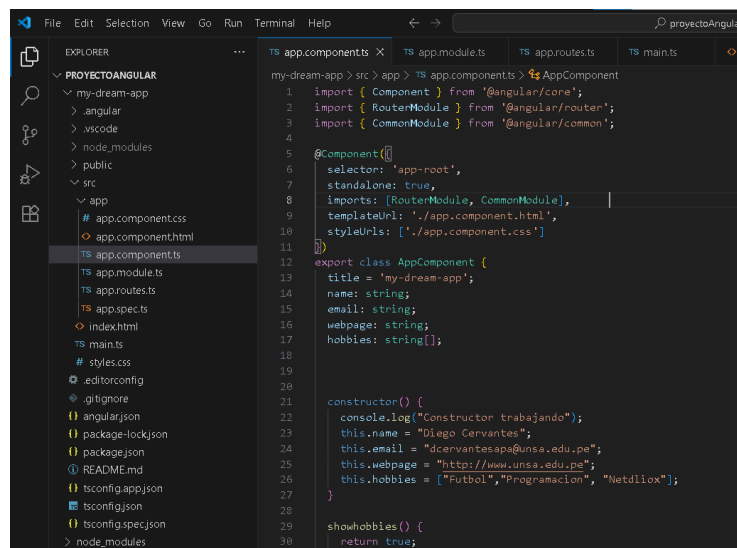
Diego Cervantes

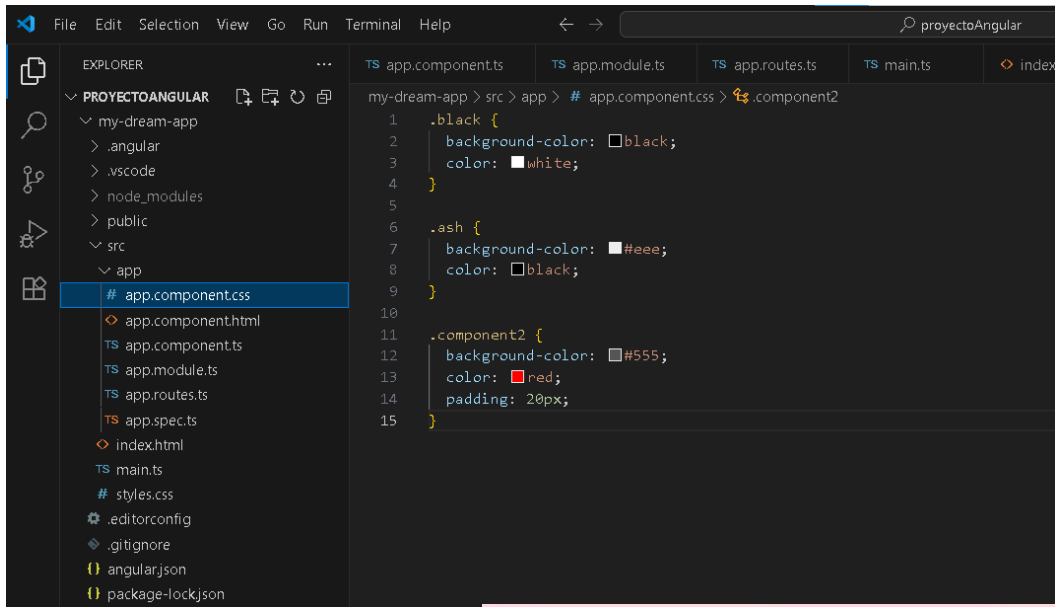
dcervantesapa@unsa.edu.pe

http://www.unsa.edu.pe

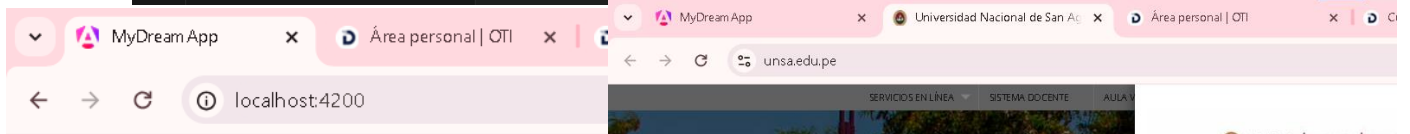
Ejecutando constructor con css en my-dream-app.

DIAPPOSITIVA 14: Agregando Constructor y usando For e Ifs:





```
File Edit Selection View Go Run Terminal Help
projectoAngular
EXPLORER
PROYECTOANGULAR
my-dream-app
  .angular
  .vscode
  node_modules
  public
  src
    app
      # app.component.css
      app.component.html
      TS app.component.ts
      TS app.module.ts
      TS app.routes.ts
      TS app.spec.ts
      index.html
      TS main.ts
      # styles.css
      .editorconfig
      .gitignore
      angular.json
      package-lock.json
TS app.component.ts
TS app.module.ts
TS app.routes.ts
TS main.ts
index.html
# app.component.css
app.component.html
app.component.ts
app.module.ts
app.routes.ts
app.spec.ts
index.html
main.ts
styles.css
editorconfig
gitignore
angular.json
package-lock.json
my-dream-app > src > app > # app.component.css > .component2
1 .black {
2   background-color: black;
3   color: white;
4 }
5
6 .ash {
7   background-color: #eee;
8   color: black;
9 }
10
11 .component2 {
12   background-color: #555;
13   color: red;
14   padding: 20px;
15 }
```



my-dream-app

Diego Cervantes

dcervantesapa@unsa.edu.pe

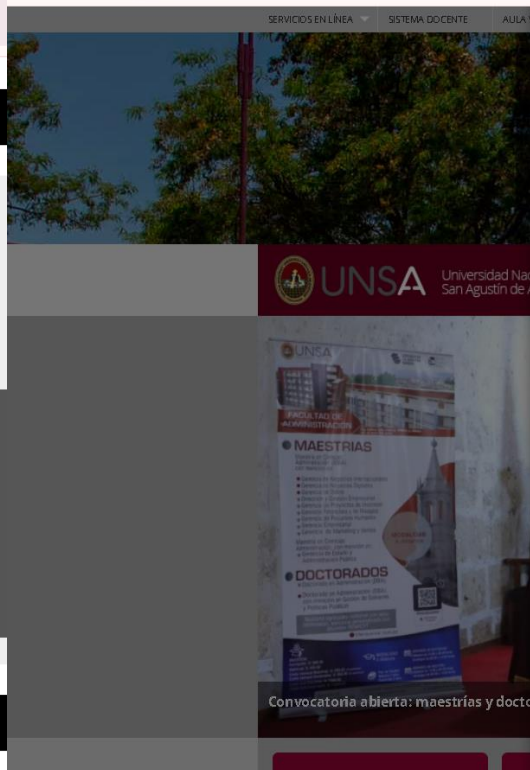
<http://www.unsa.edu.pe>

Hobbies:

- Fútbol
- Programación
- Netflixx

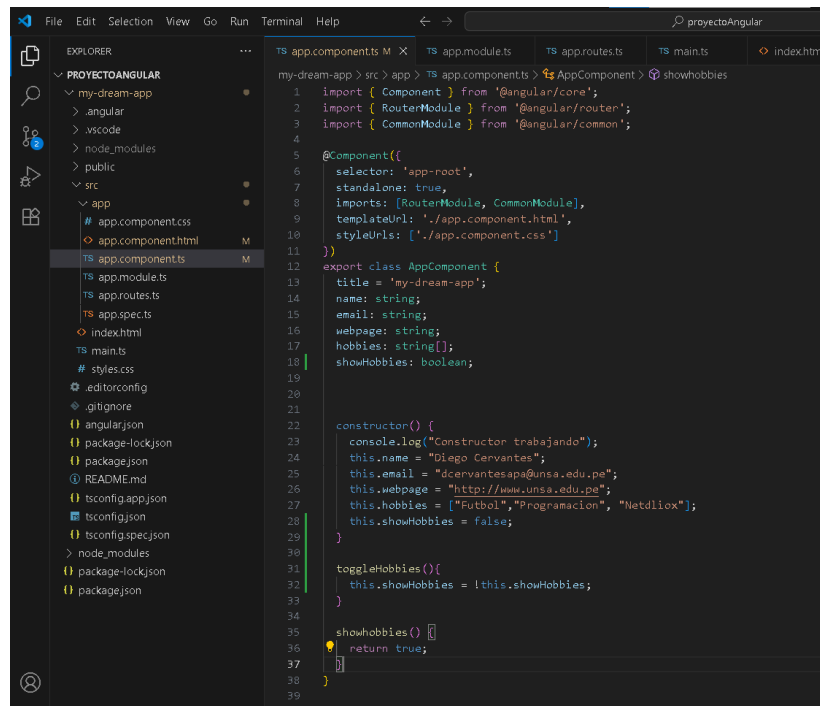
[Visita mi sitio web](#)

my-dream-app

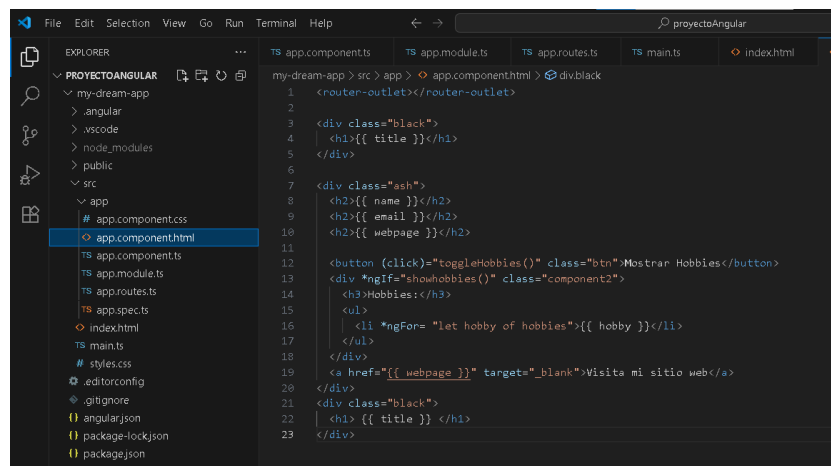


Ejecutando constructor con css, ngFor y ng If en my-dream-app.

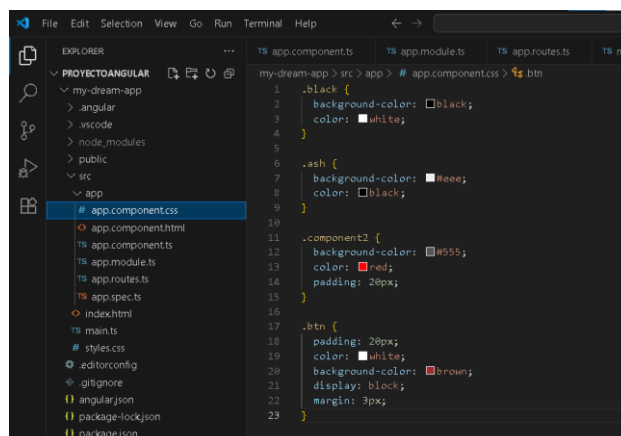
DIAPPOSITIVA 16: Agregando un botón para mostrar Hobbies:



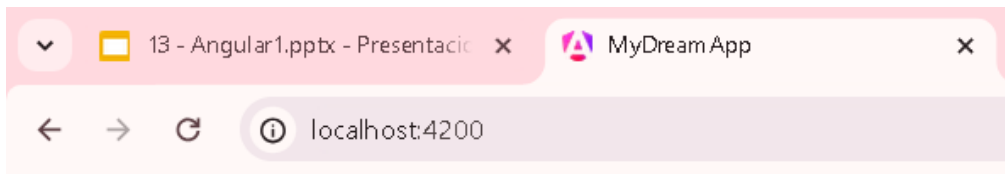
```
1 import { Component } from '@angular/core';
2 import { RouterModule } from '@angular/router';
3 import { CommonModule } from '@angular/common';
4
5 @Component({
6   selector: 'app-root',
7   standalone: true,
8   imports: [RouterModule, CommonModule],
9   templateUrl: './app.component.html',
10  styleUrls: ['./app.component.css']
11 })
12 export class AppComponent {
13   title = 'my-dream-app';
14   name: string;
15   email: string;
16   webpage: string;
17   hobbies: string[];
18   showHobbies: boolean;
19
20   constructor() {
21     console.log("Constructor trabajando");
22     this.name = "Diego Cervantes";
23     this.email = "dcervantesapa@unsa.edu.pe";
24     this.webpage = "http://www.unsa.edu.pe";
25     this.hobbies = ["Futbol", "Programacion", "Netdliox"];
26     this.showHobbies = false;
27   }
28
29   toggleHobbies() {
30     this.showHobbies = !this.showHobbies;
31   }
32
33   showHobbies() {
34     return true;
35   }
36 }
```



```
1 <router-outlet></router-outlet>
2
3 <div class="black">
4   <h1>{{ title }}</h1>
5 </div>
6
7 <div class="ash">
8   <h2>{{ name }}</h2>
9   <h2>{{ email }}</h2>
10  <h2>{{ webpage }}</h2>
11
12  <button (click)="toggleHobbies()" class="btn">Mostrar Hobbies</button>
13  <div *ngIf="showHobbies()" class="component2">
14    <h3>Hobbies:</h3>
15    <ul>
16      <li *ngFor="let hobby of hobbies">{{ hobby }}</li>
17    </ul>
18  </div>
19  <a href="{{ webpage }}" target="_blank">Visita mi sitio web</a>
20 </div>
21 <div class="black">
22   <h1> {{ title }} </h1>
23 </div>
```



```
1 .black {
2   background-color: black;
3   color: white;
4 }
5
6 .ash {
7   background-color: #eee;
8   color: black;
9 }
10
11 .component2 {
12   background-color: #555;
13   color: red;
14   padding: 20px;
15 }
16
17 .btn {
18   padding: 20px;
19   color: white;
20   background-color: brown;
21   display: block;
22   margin: 3px;
23 }
```

my-dream-app

Diego Cervantes

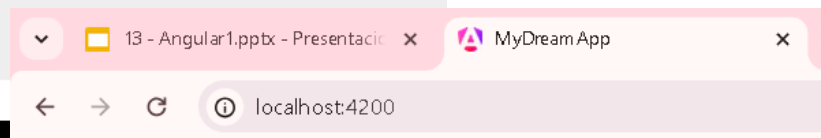
dcervantesapa@unsa.edu.pe

<http://www.unsa.edu.pe>

Mostrar Hobbies

[Visita mi sitio web](#)

my-dream-app



my-dream-app

Diego Cervantes

dcervantesapa@unsa.edu.pe

<http://www.unsa.edu.pe>

Mostrar Hobbies

Hobbies:

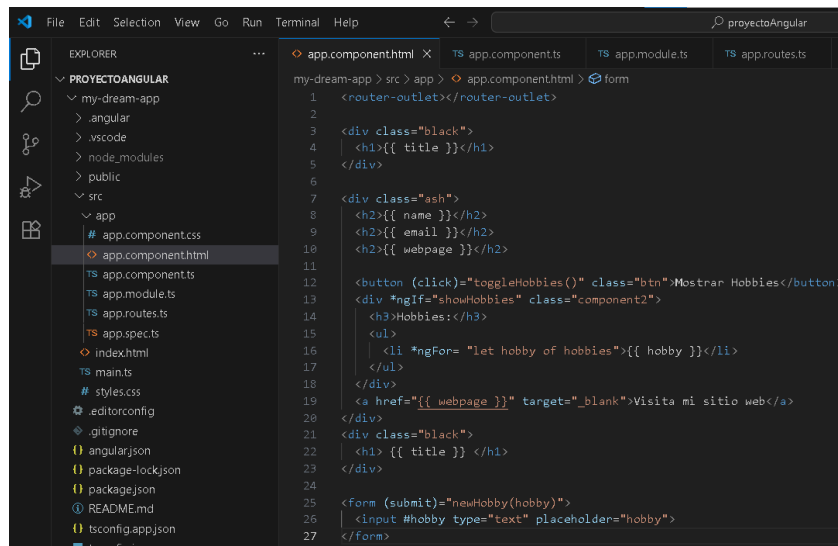
- Fútbol
- Programación
- Netball

[Visita mi sitio web](#)

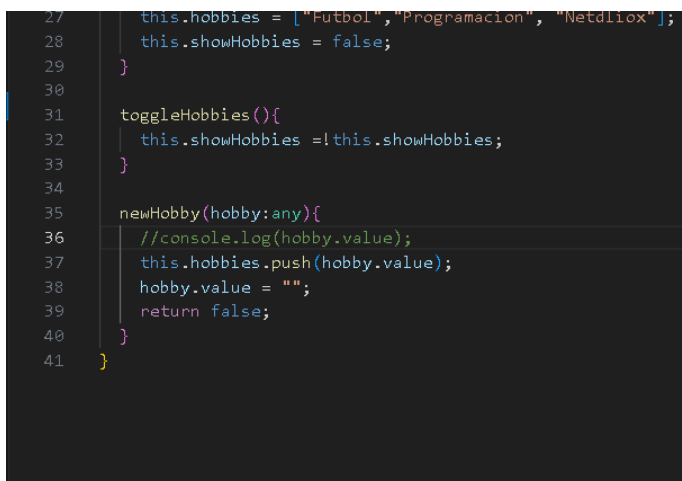
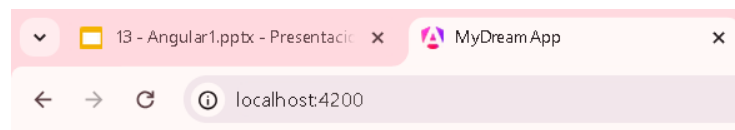
my-dream-app

Mostrando ejecución y funcionalidad del botón mostrar hobbies.

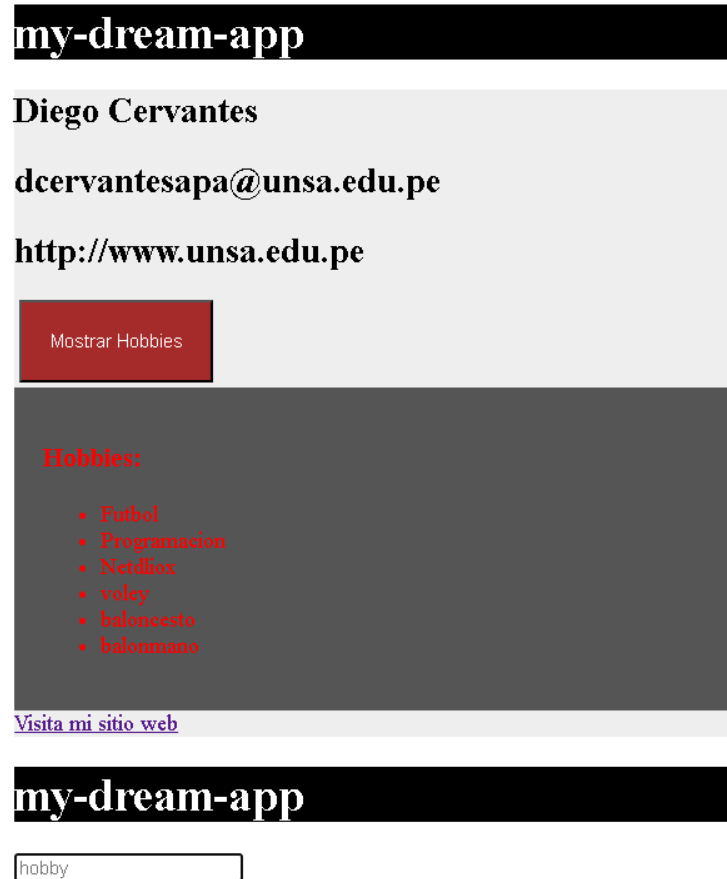
DIPOSITIVA 17: Agregando un Form para añadir más Hobbies:



```
1 <router-outlet></router-outlet>
2
3 <div class="black">
4   <h1>{{ title }}</h1>
5 </div>
6
7 <div class="ash">
8   <h2>{{ name }}</h2>
9   <h2>{{ email }}</h2>
10  <h2>{{ webpage }}</h2>
11
12  <button (click)="toggleHobbies()" class="btn">Mostrar Hobbies</button>
13  <div *ngIf="showHobbies" class="component2">
14    <h3>Hobbies:</h3>
15    <ul>
16      <li *ngFor="let hobby of hobbies">{{ hobby }}</li>
17    </ul>
18  </div>
19  <a href="{{ webpage }}" target="_blank">Visita mi sitio web</a>
20 </div>
21 <div class="black">
22   <h1> {{ title }} </h1>
23 </div>
24
25 <form (submit)="newHobby(hobby)">
26   <input #hobby type="text" placeholder="hobby">
27 </form>
```

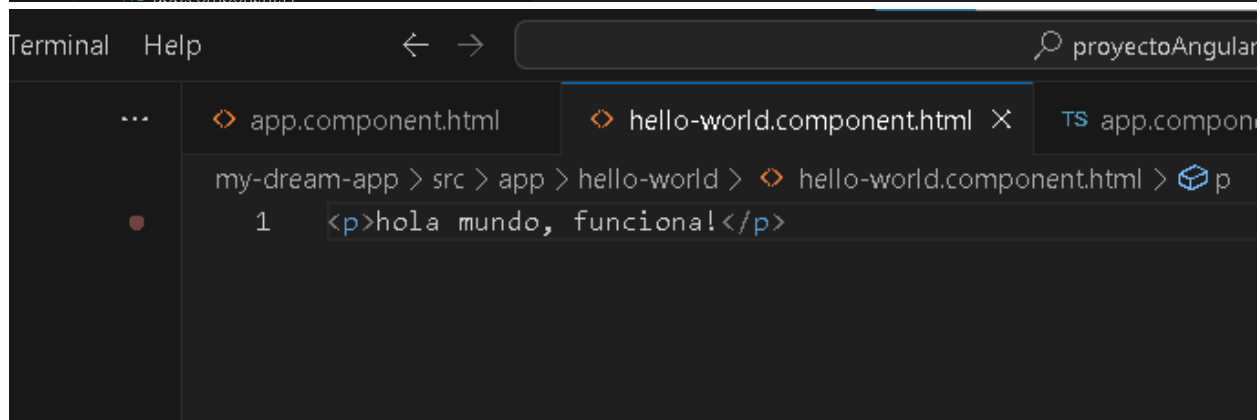
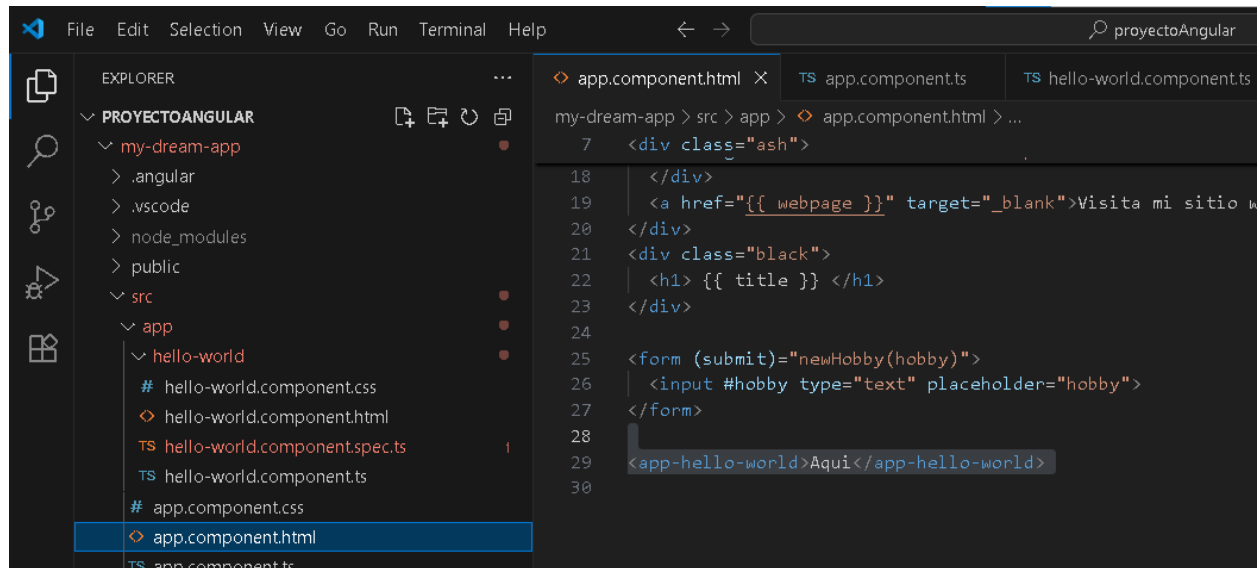
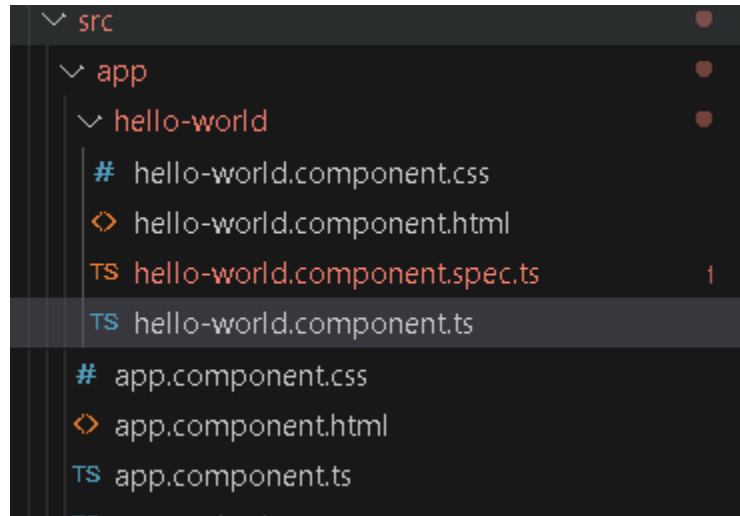


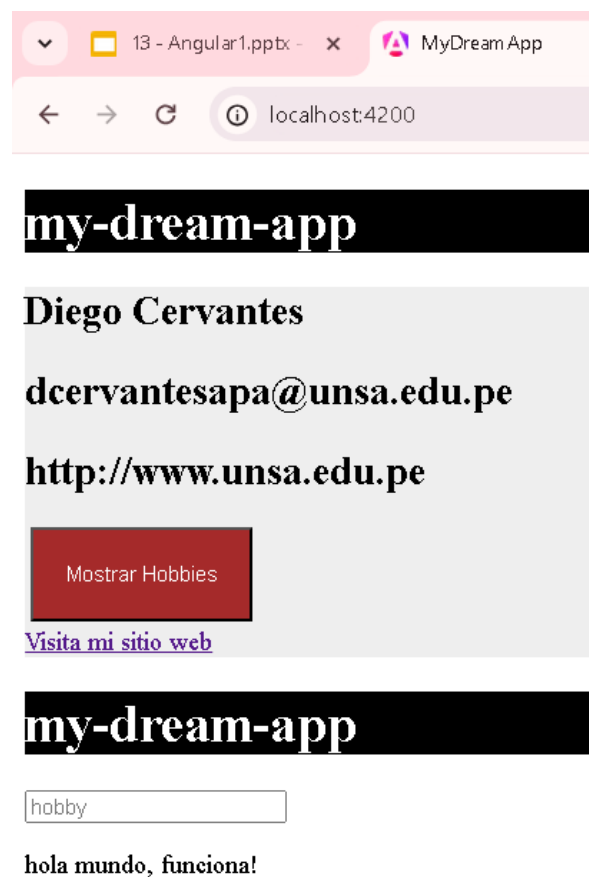
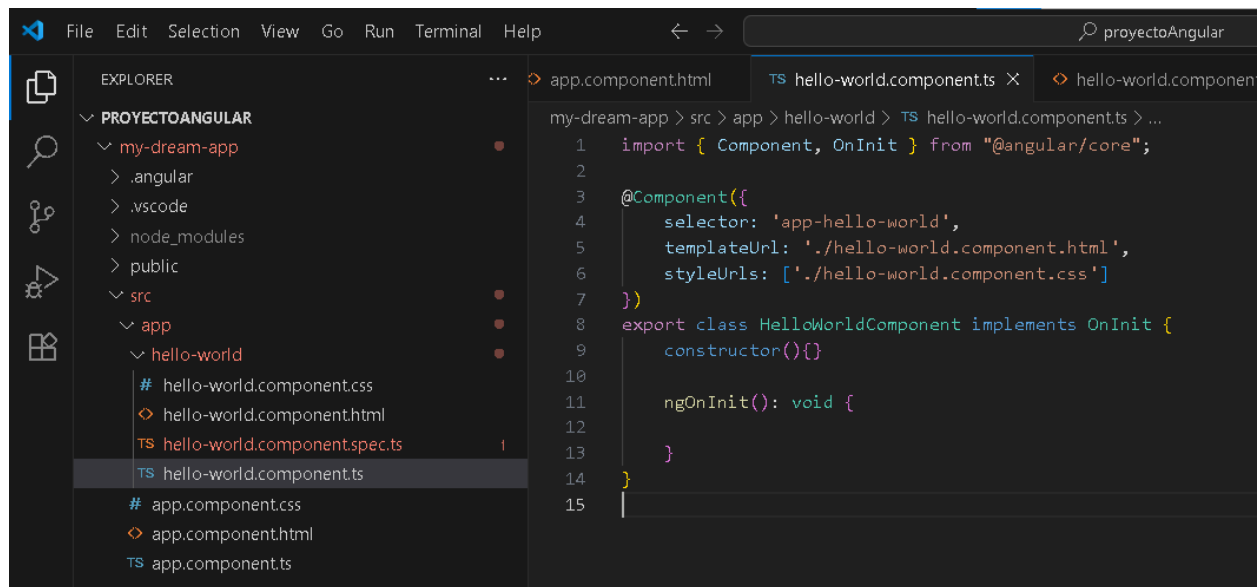
```
27 this.hobbies = ["Futbol", "Programacion", "Netflix"];
28 this.showHobbies = false;
29 }
30
31 toggleHobbies(){
32   this.showHobbies = !this.showHobbies;
33 }
34
35 newHobby(hobby:any){
36   //console.log(hobby.value);
37   this.hobbies.push(hobby.value);
38   hobby.value = "";
39   return false;
40 }
41 }
```



Añadiendo un formulario y ejecutándolo en my-dream-app

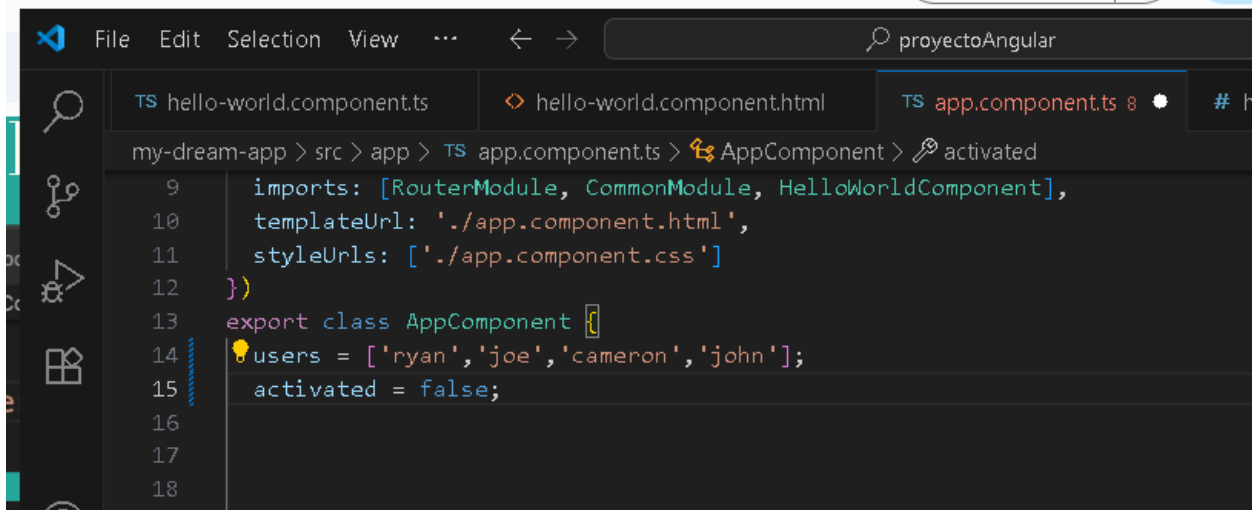
DIAPPOSITIVA 20: Generando un Componente hello-world:



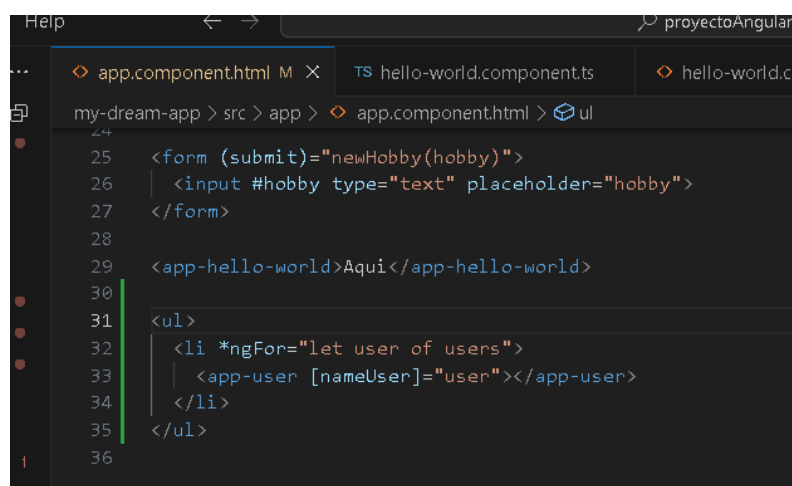


Creando componente hello-world y ejecutándolo.

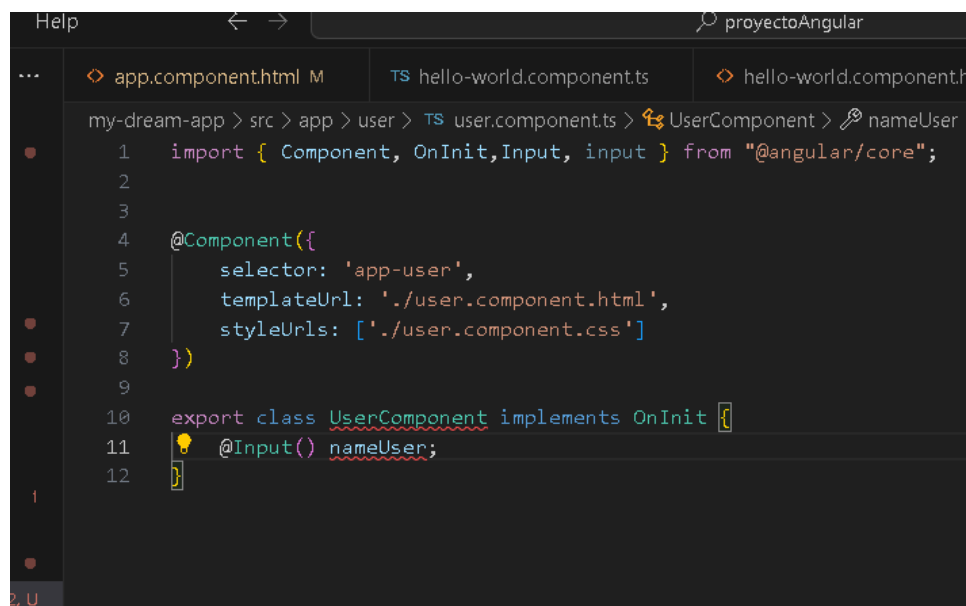
DIAPPOSITIVA 22: Pasando datos al Componente user:



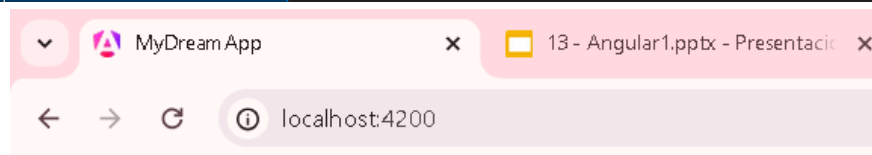
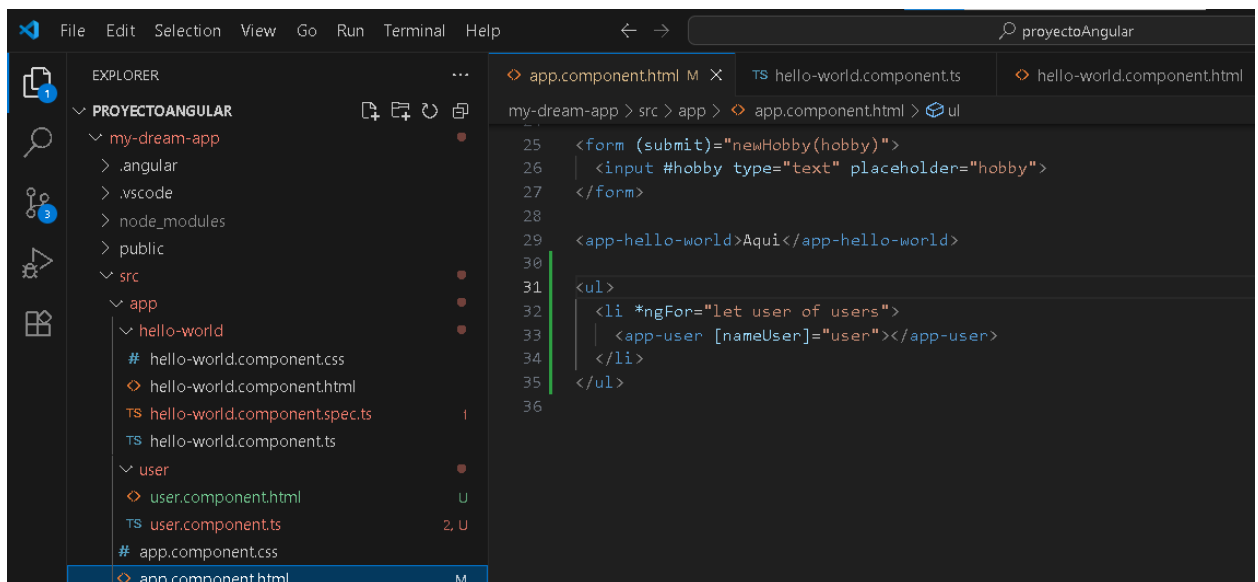
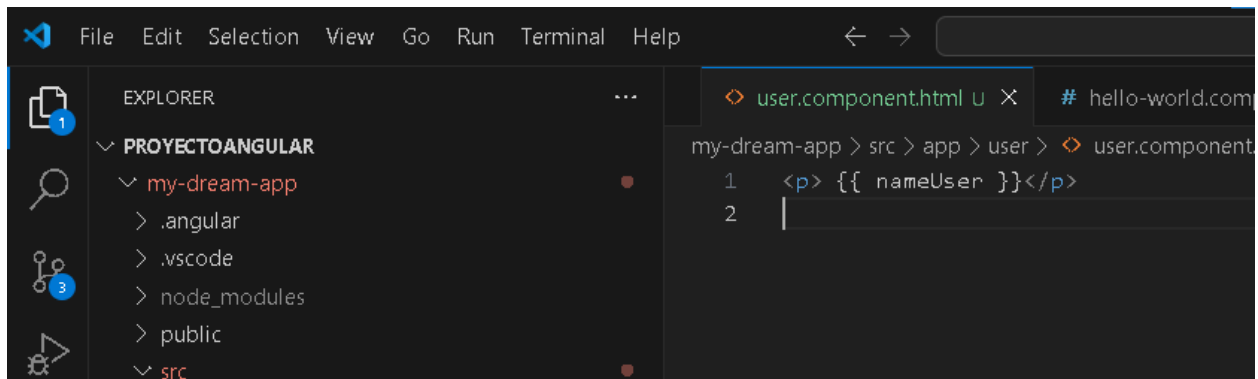
```
File Edit Selection View ... < > proyectoAngular
TS hello-world.component.ts < hello-world.component.html TS app.component.ts 8 # h
my-dream-app > src > app > TS app.component.ts > AppComponent > activated
9 imports: [RouterModule, CommonModule, HelloWorldComponent],
10 templateUrl: './app.component.html',
11 styleUrls: ['./app.component.css']
12 })
13 export class AppComponent {
14   users = ['ryan', 'joe', 'cameron', 'john'];
15   activated = false;
16
17
18
```



```
Help < > proyectoAngular
... < app.component.html M X TS hello-world.component.ts < hello-world.c
my-dream-app > src > app > app.component.html > ul
24
25 <form (submit)="newHobby(hobby)">
26   <input #hobby type="text" placeholder="hobby">
27 </form>
28
29 <app-hello-world>Aqui</app-hello-world>
30
31 <ul>
32   <li *ngFor="let user of users">
33     <app-user [nameUser]="user"></app-user>
34   </li>
35 </ul>
36
```



```
Help < > proyectoAngular
... < app.component.html M TS hello-world.component.ts < hello-world.component.html
my-dream-app > src > app > user > TS user.component.ts > UserComponent > nameUser
1 import { Component, OnInit, Input, input } from "@angular/core";
2
3
4 @Component({
5   selector: 'app-user',
6   templateUrl: './user.component.html',
7   styleUrls: ['./user.component.css']
8 })
9
10 export class UserComponent implements OnInit {
11   @Input() nameUser;
12 }
```



- ryan
- joe
- cameron
- john

Ejecutando las lista de nombres, según component.User.

DIAPPOSITIVA 23: Agregando botones de alerta a la aplicación:

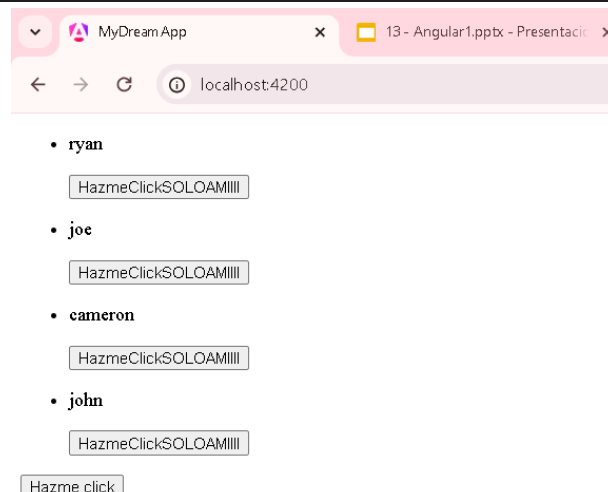
```
TS app.component.ts M X app.component.html M TS hello-world.component.ts
my-dream-app > src > app > TS app.component.ts > AppComponent > sayHello
1 import { Component } from '@angular/core';
2 import { RouterModule } from '@angular/router';
3 import { CommonModule } from '@angular/common';
4 import { UserComponent } from './user/user.component';
5
6 @Component({
7   selector: 'app-root',
8   standalone: true,
9   imports: [RouterModule, CommonModule, UserComponent],
10  templateUrl: './app.component.html',
11  styleUrls: ['./app.component.css']
12 })
13 export class AppComponent {
14   users = ['ryan', 'joe', 'cameron', 'john'];
15   activated = false;
16
17   sayHello() {
18     alert("Hola desde app.component");
19   }
20 }
21
22 }
```

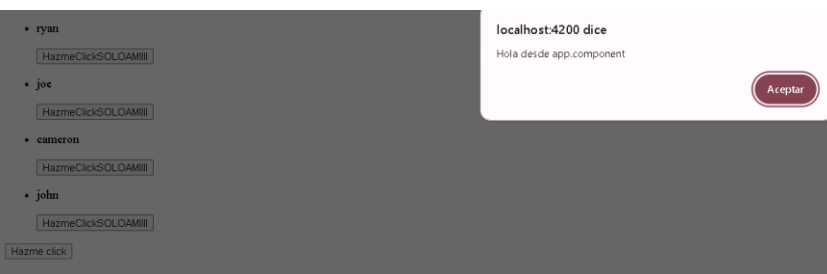
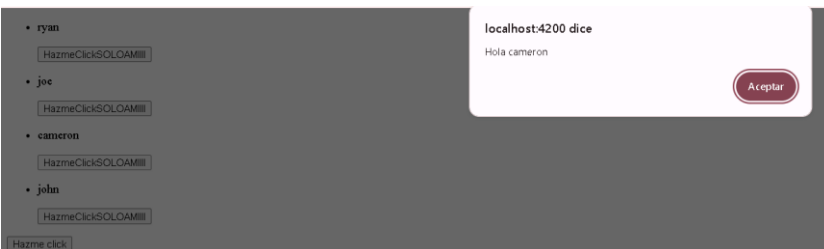
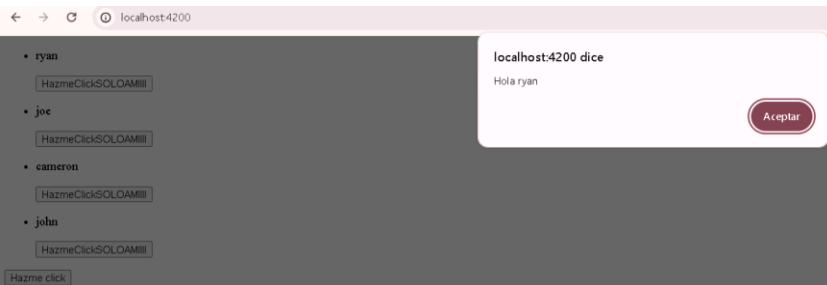
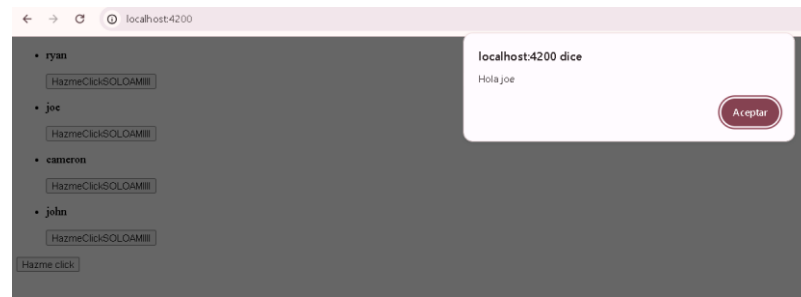
```
TS app.component.ts M app.component.html M TS hello-world.component.ts
my-dream-app > src > app > user > TS user.component.ts > UserComponent > ngOnInit
1 import { CommonModule } from '@angular/common';
2 import { Component, OnInit, Input } from '@angular/core';
3
4
5 @Component({
6   selector: 'app-user',
7   templateUrl: './user.component.html',
8   styleUrls: ['./user.component.css'],
9   standalone: true,
10  imports: [CommonModule],
11 })
12
13
14
15 export class UserComponent implements OnInit {
16   @Input() nameUser: any;
17   ngOnInit(): void {}
18
19   sayHello(nameUser: string) {
20     alert("Hola "+nameUser);
21   }
22 }
```

my-dream-app > src > app > user > user.component.html > button

```
1 <p> {{ nameUser }}</p>
2 <button (click)="sayhello(nameUser)">HazmeClickSOLOAMIIII</button>
```

```
TS app.component.ts M app.component.html M X TS hello-world.component.ts
my-dream-app > src > app > app.component.html > ...
1 <router-outlet></router-outlet>
2
3 <ul>
4   <li *ngFor="let user of users">
5     <app-user [nameUser]="user"></app-user>
6   </li>
7 </ul>
8
9
10 <button (click)="sayHello()">Hazme click</button>
```



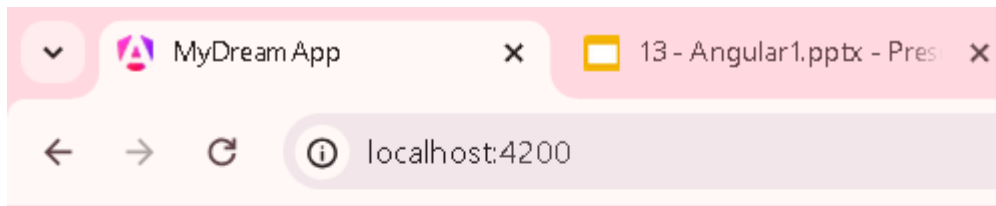


Ejecutando lista y botones a la aplicación.

DIAPPOSITIVA 24: Botones que borran elementos de una lista:

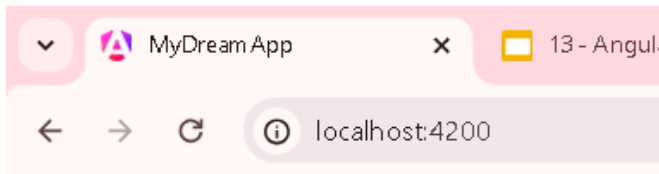
```
app.component.html M TS app.component.ts M X TS hello-world.component.ts
my-dream-app > src > app > TS app.component.ts > AppComponent > deleteUser
1 import { Component } from '@angular/core';
2 import { RouterModule } from '@angular/router';
3 import { CommonModule } from '@angular/common';
4 import { UserComponent } from '../user/user.component';
5
6 @Component({
7   selector: 'app-root',
8   standalone: true,
9   imports: [RouterModule, CommonModule, UserComponent],
10  templateUrl: './app.component.html',
11  styleUrls: ['./app.component.css']
12 })
13 export class AppComponent {
14   users = ['ryan', 'joe', 'cameron', 'john'];
15   activated = false;
16
17
18   sayHello() {
19     alert("Hola desde app.component");
20   }
21
22
23   deleteUser(user:string){
24     for(let i=0; i<this.users.length; i++){
25       if(user==this.users[i]){
26         this.users.splice(i,1);
27       }
28     }
29   }
30 }
31
```

```
app.component.html M X TS app.component.ts M TS hello-world.component.ts TS user.component.ts
my-dream-app > src > app > app.component.html > ...
1 <router-outlet></router-outlet>
2 <h1>Desde app.component </h1>
3 <ul>
4   <li *ngFor="let user of users">
5     {{ user }} <button (click)="deleteUser(user)">Borrar Usuario</button>
6   </li>
7 </ul>
8
9
```



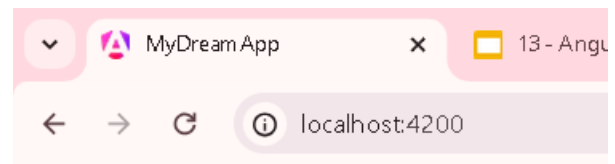
Desde app.component

- **ryan**
- **joe**
- **cameron**
- **john**



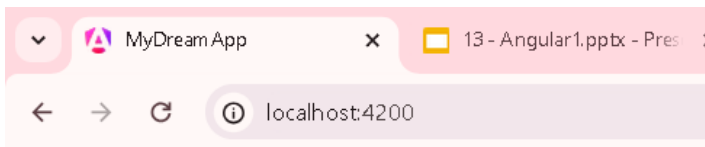
Desde app.component

- **john**



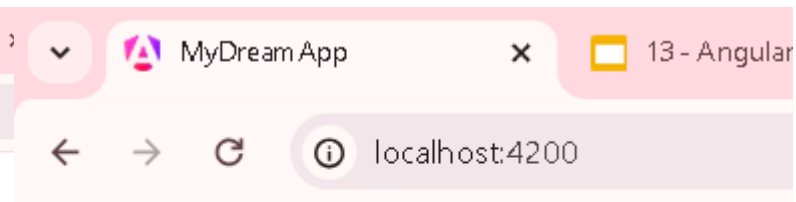
Desde app.component

- **joe**
- **cameron**
- **john**



Desde app.component

- **cameron**
- **john**



Desde app.component

Ejecutando eliminación de viñetas a través de botones en Angular.

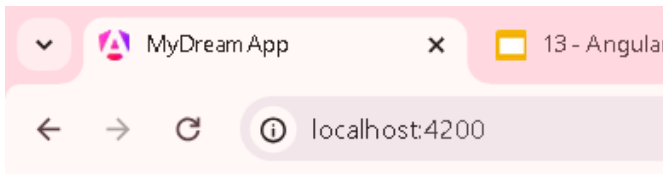
DIAPPOSITIVA 26: Pasando referencias del Formulario:

```
app.component.html M X TS app.component.ts M TS hello-world.component.ts TS user.compon

my-dream-app > src > app > app.component.html > ...
1 <router-outlet></router-outlet>
2 <h1>Desde app.component </h1>
3 <ul>
4   <li *ngFor="let user of users">
5     {{ user }} <button (click)="deleteUser(user)">Borrar Usuario</button>
6   </li>
7 </ul>
8
9 <h2>Desde app.component </h2>
10 <form (submit)="addUser(newUser)">
11   <input type="text" #newUser>
12   <button>Agregar usuario</button>
13 </form>
14
15
```

```
app.component.html TS app.component.ts X TS hello-world.component.ts TS user.com

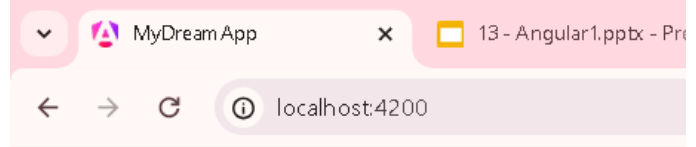
my-dream-app > src > app > TS app.component.ts > AppComponent > sayHello
1 import { Component } from '@angular/core';
2 import { RouterModule } from '@angular/router';
3 import { CommonModule } from '@angular/common';
4
5
6 @Component({
7   selector: 'app-root',
8   standalone: true,
9   imports: [RouterModule, CommonModule],
10  templateUrl: './app.component.html',
11  styleUrls: ['./app.component.css']
12 })
13 export class AppComponent {
14   users = ['ryan','joe','cameron','john'];
15   activated = false;
16
17
18   sayHello() {
19     alert("Hola desde app.component");
20   }
21
22
23   deleteUser(user:string){
24     for(let i=0; i<this.users.length; i++){
25       if(user==this.users[i]){
26         this.users.splice(i,1);
27       }
28     }
29   }
30   addUser(newUser:HTMLInputElement) {
31     this.users.push(newUser.value);
32     newUser.value='';
33     newUser.focus();
34     return false;
35   }
36 }
```



Desde app.component

- ryan
- joe
- cameron
- john

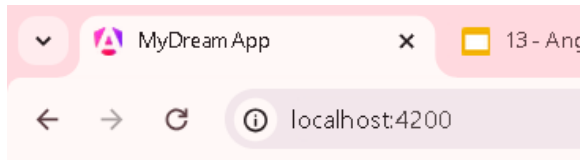
Desde app.component



Desde app.component

- ryan
- joe
- cameron
- john
- ifeelsogood

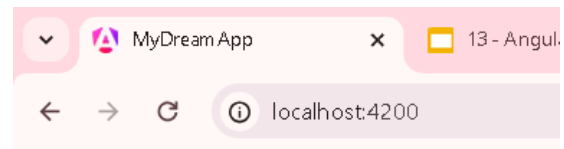
Desde app.component



Desde app.component

- ryan
- joe
- cameron
- john
- ifeelsogood

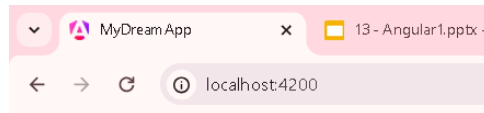
Desde app.component



Desde app.component

- ryan
- joe
- cameron
- john
- ifeelsogood
- daimer

Desde app.component



Desde app.component

- ryan
- joe
- cameron
- john
- ifeelsgood
- daimier
- I LOVE THIS PART
- GOOD TIMES
- WILD ONES
- HIDE AND SEEK
- I DONT KNOW WHY
- ITS OK
- RIGHT NOW

Desde app.component

Ingresando caracteres desde el formulario mientras es enlistado.

BRANCH → "angular1"

git log --graph --pretty=oneline --abbrev-commit --all

```
* 3953734 (HEAD -> angular1, origin/main, origin/angular1, origin/HEAD, main) aceptando ingreso de datos en el formulario y listándolos en app.component.ts
* a8e7822 agregando formulario, que listará palabras ingresadas en app.component.html
* 0a19f43 iteración de eliminación en la lista desde app.component.ts
* 338c847 creando botón para borrar usuarios o viñetas desde app.component.html* 94f9659 saludando luego del click en los botones
* a07c763 boton hazme clickk solo a mi en component.html
* 64e875b app component funcion hola
* dfedf74 añadiendo boton final
* 5e8f301 boton en component.html
* 144ec95 funcion hola desde app.component.ts
* a60ca12 agregando funcion hola
* 764bd48 creando boton
* 637f8fb sacando datos e iterando al component.html
* 7dc9480 css
* 3b08728 agregando users
* 056ae512 typescript de enlace binding user.component.ts
* c640f71 creando enlace binding en nameUser
* 8b822aa agregando ngFor al app.component.html
* ef38fc2 edicion de archivos para crear nuevo componente hellow world
* a7b993b importe de hellowworld componente
* 41b5990 hellowworld componentes varios
...skipping...
* 3953734 (HEAD -> angular1, origin/main, origin/angular1, origin/HEAD, main) aceptando ingreso de datos en el formulario y listándolos en app.component.ts
* a8e7822 agregando formulario, que listará palabras ingresadas en app.component.html
* 0a19f43 iteración de eliminación en la lista desde app.component.ts
* 338c847 creando botón para borrar usuarios o viñetas desde app.component.html
* 94f9659 saludando luego del click en los botones
* a07c763 boton hazme clickk solo a mi en component.html
* 64e875b app component funcion hola
* dfedf74 añadiendo boton final
* 5e8f301 boton en component.html
* 144ec95 funcion hola desde app.component.ts
* a60ca12 agregando funcion hola
* 764bd48 creando boton
* 637f8fb sacando datos e iterando al component.html
* 7dc9480 css
* 3b08728 agregando users
* 056ae512 typescript de enlace binding user.component.ts
* c640f71 creando enlace binding en nameUser
* 8b822aa agregando ngFor al app.component.html
* ef38fc2 edicion de archivos para crear nuevo componente hellow world
* a7b993b importe de hellowworld componente
* 41b5990 hellowworld componentes varios
* fea1d48 instanciando hellowworldcomponent
* 890ac1b creando directorio de hola mundo y sus respectivos archivos css,html,ts
* b8b7119 añadiendo form "NewHobby"
* 70610e8 agregando funcion newHobby
```

```
* c2e6111 corrigiendo y eliminando funcion showHobbies
* 1ab7c51 corrigiendo funcion toggleHobbies, eliminando showHobbies
* 72b7076 añadiendo casilla de boton mostrar hobbies
* adbd869 agregando el boton que muestra hobbies en la vista
* 097cd3b modificando archivo css para botones
* 7528905 ngif y ng for
* 87502fa configurando CommonModule para el funcionamiento de ngFor
* 03eb4c8 Revert "configurando ngFor y ng If"
* a084a5b configurando la importacion de CommonModule para el ngFor
* 6f9eac1 modificando frontend con constructor
* fea1df8 agregando hoja de estilo diferente
* f3c5b78 arreglo de component.ts para el constructor
* 4d5c152 configuracion main.ts
* ed3fa3d revision app.module.ts
* 2c35011 revision app.config.ts
* 560be74 revision app.component.ts
* 45157f1 editando nombres a componentes
* 8738b76 añadiendo app root loading...
* 8407f7d editando app.component.ts
* 083dda9 editando app.component.html
* 830d7fe editando archivos segun dispositivos
* eb883b0 cambiando archivo de app.css a app.component.css
* 74f6ccf verificando archivo component.css
* 48d8130 creacion proyecto angular my-dream-app
* 888fa55 creacion proyecto angular por npm install
```