

WebComponents a Angular

Oficina Tècnica UX/UI

Document on s'especifica com utilitzar WebComponents en Angular

1. Requisits prèvis

- Node.js. Utilitzarem la versió 16.16.0
- Un gestor de paquets. NPM
- Lit Element, per instal·lar-lo farem servir la següent comanda: `npm install --save lit`

2. Instal·lar la llibreria des del Nexus de la Gencat.

Per a agregar al registre el repositori Nexus es crea l'arxiu `.npmrc` en l'arrel del projecte i es col·loquen la següent línia.

```
.npmrc
1 registry=https://hudson.intranet.gencat.cat/nexus/repository/public-npm-repositories/
```

3. Afegir Custom Elements Schema

En primer lloc, habilitarem els Web Components en el nostre projecte incloent CUSTOM_ELEMENTS_SCHEMA en src/app/app.module.ts:

```
src > app > TS app.module.ts > ...
1  import { NgModule, CUSTOM_ELEMENTS_SCHEMA } from '@angular/core';
2  import { BrowserModule } from '@angular/platform-browser';
3
4  import { AppRoutingModule } from './app-routing.module';
5  import { AppComponent } from './app.component';
6
7  import 'design-system-salut';
8
9  @NgModule({
10   declarations: [
11     AppComponent
12   ],
13   imports: [
14     BrowserModule,
15     AppRoutingModule
16   ],
17   providers: [],
18   bootstrap: [AppComponent],
19   schemas: [CUSTOM_ELEMENTS_SCHEMA]
20 })
21 export class AppModule { }
22
```

4. Afegir fonts

```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>DssDemoAngular</title>
<base href="/">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="icon" type="image/x-icon" href="favicon.ico">
<link
rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons+Outlined"/>
<link
rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons+Round"/>
<link
rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:
opsz,wght,FILL,GRAD@20..48,100..700,0..1,-50..200"/>
<link
rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Rounded:opsz,wght,FILL,GRAD@20..48,100..700,0..1,-50..200"/>
<link
rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;600;700&display=swap"/>
</head>
<body>
<app-root></app-root>
</body>
</html>
```

5. Importar components

```
src > app > TS app.component.ts > ...
1  import { Component } from '@angular/core';
2
3  @Component({
4    selector: 'app-root',
5    templateUrl: './app.component.html',
6    styleUrls: ['./app.component.sass']
7  })
8  export class AppComponent {
9    title = 'Angular Application Demo using Design System Salut';
10   name = 'Nombre';
11   surname = 'Apellido';
12   sizeXL='xl';
13   imageUrl='https://www.w3schools.com/howto/img_avatar.png'
14 }
```

Nota: Farem servir com a exemple el component Avatar.

6. Utilitzar el component

```
src > app > <> app.component.html > ...
Go to component
1  <div class="content" role="main">
2    <h1>{{ title }}</h1>
3
4    <h2>Avatar amb imatge</h2>
5    <div class="d-flex">
6      <dss-avatar [name]="name" [surname]="surname" [imageUrl]="imageUrl"/>
7      <dss-avatar [name]="name" [surname]="surname" [size]="sizeXL" [imageUrl]="imageUrl"/>
8    </div>
9
10   <h2>Avatar amb inicials</h2>
11   <div class="d-flex">
12     <dss-avatar [name]="name" [surname]="surname" size="sm"/>
13     <dss-avatar [name]="name" [surname]="surname" [size]="sizeXL"/>
14   </div>
15
16   <h2>Avatar per defecte</h2>
17   <div class="d-flex">
18     <dss-avatar size="sm"/>
19     <dss-avatar [size]="sizeXL"/>
20   </div>
21
22   <h2>Button</h2>
23   <div class="d-flex">
24     <button type="button" class="dss-button dss-button--md dss-button--primary">Button</button>
25   </div>
26
27   <h2>Input Text</h2>
28   <div class="d-flex">
29     <dss-input-field type="text" label="Label" icon="" description="">
30     </dss-input-field>
31   </div>
32 </div>
33
```

