Universidad Politécnica de Pachuca

Practica06

Carrera: Ingeniería en Tecnologías de la Información e Innovación Digital

Materia: Aplicaciones Web

Alumnos:

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Maestro

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1. Creación del Proyecto Angular

```
PS C:\Users\david\OneDrive\Documentos\GitHub\Practicas_Web_DavidHernandez> ng new Practica06
>>
]
✓ Do you want to enable Server-Side Rendering (SSR) and Static Site Generation (SSG/Prerendering)? Yes
✓ Which AI tools do you want to configure with Angular best practices? https://angular.dev/ai/develop-with-ai None
CREATE Practica06/angular.json (2148 bytes)
CREATE Practica06/package.json (1190 bytes)
CREATE Practica06/README.md (1522 bytes)
CREATE Practica06/tsconfig.json (990 bytes)
CREATE Practica06/.editorconfig (331 bytes)
CREATE Practica06/.gitignore (666 bytes)
CREATE Practica06/tsconfig.app.json (464 bytes)
CREATE Practica06/tsconfig.spec.json (456 bytes)
CREATE Practica06/.vscode/extensions.json (134 bytes)
CREATE Practica06/.vscode/launch.json (490 bytes)
CREATE Practica06/.vscode/mcp.json (188 bytes)
CREATE Practica06/.vscode/tasks.json (1020 bytes)
CREATE Practica06/src/main.ts (228 bytes)
CREATE Practica06/src/index.html (309 bytes)
CREATE Practica06/src/styles.css (81 bytes)
CREATE Practica06/src/main.server.ts (300 bytes)
```

2. Instalación de Bootstrap

```
>>
PS C:\Users\david\OneDrive\Documentos\GitHub\Practicas_Web_DavidHernandez\Practica06> npm install bootstrap
>>
>>


added 2 packages, and audited 495 packages in 2s

112 packages are looking for funding
  run `npm fund` for details
```
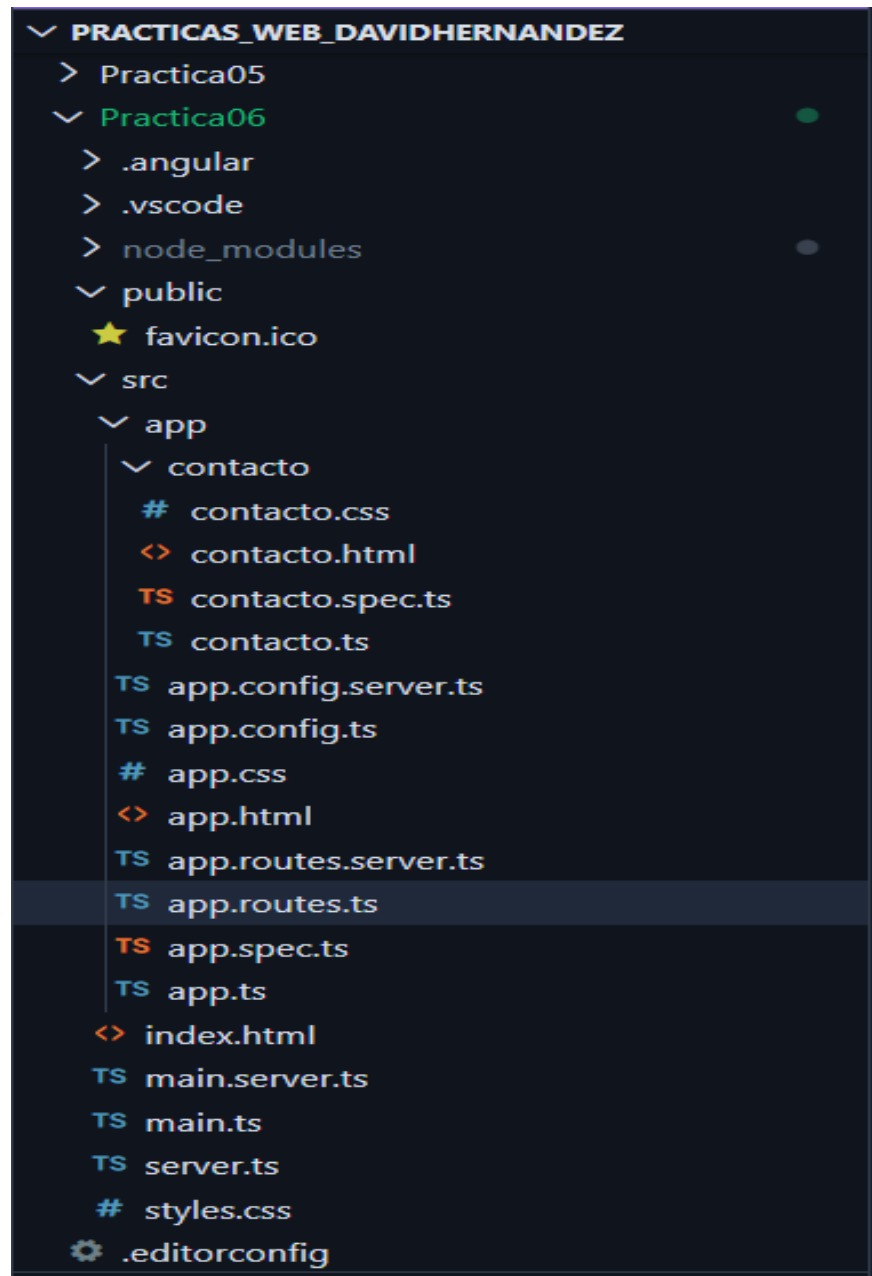
3.Instalacion del Angular

```
>>
PS C:\Users\david\OneDrive\Documentos\GitHub\Practicas_Web_DavidHernandez\Practica06> npm install -g @angular/cli
>>

changed 298 packages in 12s

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

4. Estructura del Proyecto

PRACTICAS_WEB_DAVIDHERNANDEZ
- Practica05
- Practica06
  - .angular
  - .vscode
  - node_modules
  - public
    - favicon.ico
  - src
    - app
      - contacto
        - # contacto.css
        - <> contacto.html
        - TS contacto.spec.ts
        - TS contacto.ts
      - TS app.config.server.ts
      - TS app.config.ts
      - # app.css
      - <> app.html
      - TS app.routes.server.ts
      - TS app.routes.ts
      - TS app.spec.ts
      - TS app.ts
    - <> index.html
    - TS main.server.ts
    - TS main.ts
    - TS server.ts
    - # styles.css
  - .editorconfig

5.Configuracion del app.routers.ts

```ts
import { Routes } from '@angular/router';
import { Contacto } from './contacto/contacto';

export const routes: Routes = [
  { path: '', component: Contacto }
];
```

6.Configuracion del app.html

```html
<main class="container my-4">
  <router-outlet></router-outlet>
</main>
```

7.Configuracion del contact.ts

```ts
import { Component } from '@angular/core';
import { NgForm } from '@angular/forms';
import { FormsModule } from '@angular/forms';
import { CommonModule } from '@angular/common';
declare var bootstrap: any;


@Component({
  selector: 'app-contacto',
  standalone: true,
  imports: [FormsModule, CommonModule],
  templateUrl: './contacto.html',
  styleUrl: './contacto.css',
})
export class Contacto {

  tituloModal = '';
  mensajeModal = '';

  soloLetras(event: any) {
    const valor = event.target.value;
    event.target.value = valor.replace(/[^a-zA-ZáéíóúÁÉÍÓÚñÑ\s]/g, '');
  }

  procesarFormulario(form: NgForm) {

    if (form.invalid) {
      this.tituloModal = 'Error';
      this.mensajeModal = 'Completa correctamente todos los campos.';
    } else {
      this.tituloModal = 'Éxito';
      this.mensajeModal = 'Formulario enviado correctamente.';
      form.resetForm();
    }

    const modal = document.getElementById('modalResultado');
    if (modal) {
      new bootstrap.Modal(modal).show();
```

8.Configuracion del contact.html

```html
Go to component
1    <div class="container mt-4">
2      <h2>Contacto</h2>
3
4      <form #formContacto="ngForm"
5            (ngSubmit)="procesarFormulario(formContacto)">
6
7        <div class="mb-3">
8          <label class="form-label">Nombre</label>
9          <input
10           type="text"
11           class="form-control"
12           name="nombre"
13           ngModel
14           required
15           minlength="3"
16           maxlength="30"
17           #nombreCtrl="ngModel"
18           #nombre="ngModel"
19           pattern="^[a-zA-ZáéíóúÁÉÍÓÚñÑ\s]+$"
20           (input)="soloLetras($event)">
21        </div>
22
23        <div *ngIf="nombreCtrl.invalid && nombreCtrl.touched" class="text-danger">
24          <small *ngIf="nombreCtrl.errors?.['required']">
25            El nombre es obligatorio
26          </small>
27          <small *ngIf="nombreCtrl.errors?.['minlength']">
28            El nombre debe tener al menos 3 caracteres
29          </small>
30          <small *ngIf="nombreCtrl.errors?.['maxlength']">
31            El nombre no debe exceder 30 caracteres
32          </small>
33        </div>
34
35        <div
36          class="text-danger mt-1"
```

Lín. 18, col. 26   Espacios: 4   UTF-8   CRLF

9.Configuracion del angular.jason

```json
Practica06 > {} angular.json > ...
  1  {
  2    "$schema": "./node_modules/@angular/cli/lib/config/schema.json",
  3    "version": 1,
  4    "cli": {
  5      "packageManager": "npm",
  6      "analytics": "f6f87cc5-d9a1-41f6-9f7d-e4fc8c9a606d"
  7    },
  8    "newProjectRoot": "projects",
  9    "projects": {
 10      "practica6-modal": {
 11        "projectType": "application",
 12        "schematics": {},
 13        "root": "",
 14        "sourceRoot": "src",
 15        "prefix": "app",
 16        "architect": {
 17          "build": {
 18            "builder": "@angular/build:application",
 19            "options": {
 20              "browser": "src/main.ts",
 21              "tsConfig": "tsconfig.app.json",
 22              "assets": [
 23                {
 24                  "glob": "*/",
 25                  "input": "public"
 26                }
 27              ],
 28              "styles": [
 29    "src/styles.css",
 30    "node_modules/bootstrap/dist/css/bootstrap.min.css"
 31    ],
 32    "scripts": [
 33      "node_modules/bootstrap/dist/js/bootstrap.bundle.min.js"
 34    ],
 35
 36
 37              "server": "src/main.server.ts",
```

10.Ya se visualiza

Contacto

Nombre

Correo

Enviar