



UNIVERSIDAD POLITÉCNICA DE PACHUCA

**INGENIERIA EN TECNOLOGUIAS DE LA
INFORMACION E INNOVACION DIGITAL**

Practica 4

CARRERA

INGENIERIA EN TECNOLOGUIAS DE LA
INFORMACION E INNOVACION DIGITAL

GRUPO

04-01

P R E S E N T A (N)

HERNANDEZ HERNANDEZ DAVID DE JESUS

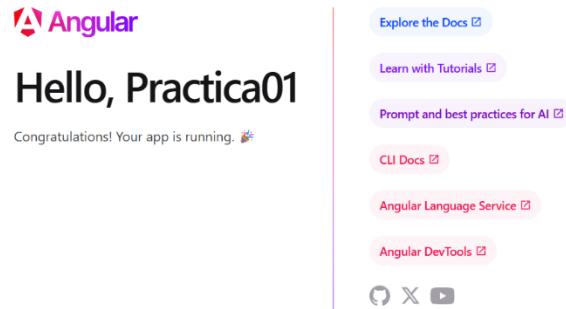


DOCENTE(N)

Diana Xochitl Ruano Vargas

28 de Enero del 2026

Sección; Crear el Proyecto de angular



Sección de Instalacion de Bootstrap

```
PS C:\Users\AlexVilade\OneDrive\Documentos\GitHub\Practicas_Web_AlejandroVargasLazca\practica04-angular> ng serve
server.wjs | server | 1.81 kB
polyfills.server.wjs | polyfills.server | 243 bytes

Application bundle generation complete. [2.250 seconds] - 2026-01-22T19:33:40.994Z

watch mode enabled. Watching for file changes...
NOTE: Raw file sizes do not reflect development server per-request transformations.
  → Local: http://localhost:4200/
  → press h + enter to show help

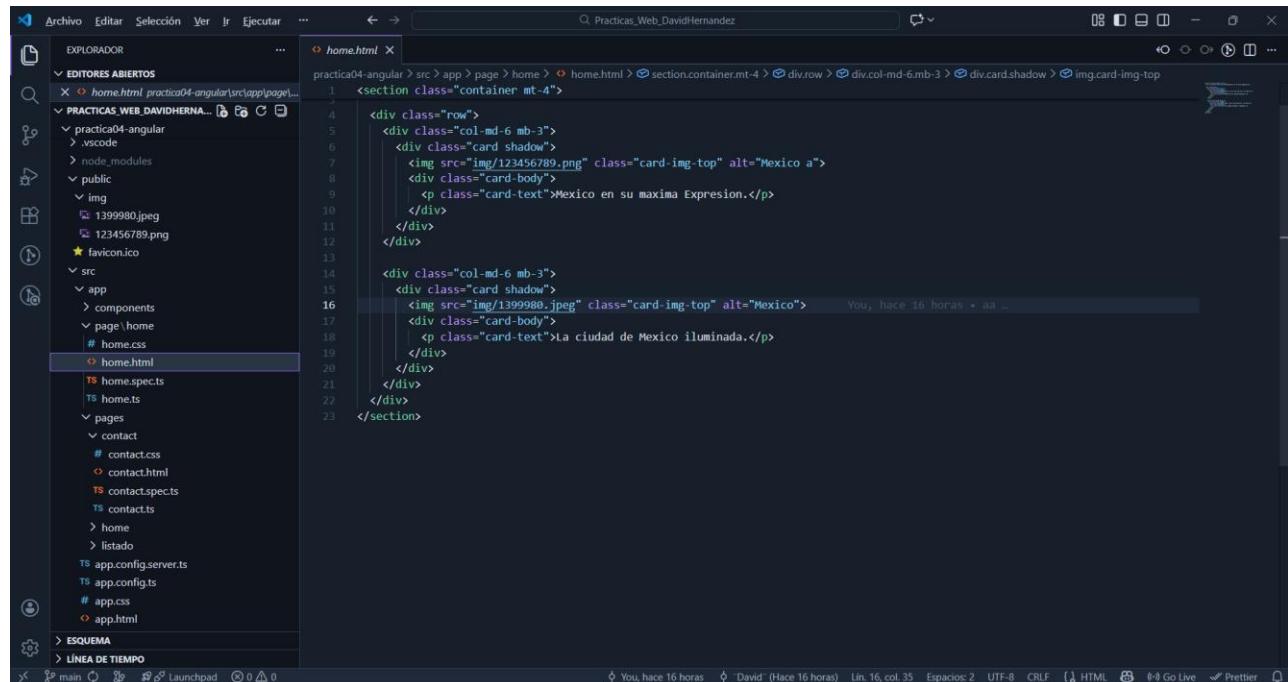
npm install bootstrap
h

Shortcuts
press r + enter to force reload browser
press u + enter to show server url
press o + enter to open in browser
press c + enter to clear console
press q + enter to quit
q
PS C:\Users\AlexVilade\OneDrive\Documentos\GitHub\Practicas_Web_AlejandroVargasLazca\practica04-angular> npm install bootstrap
added 2 packages, and audited 495 packages in 4s

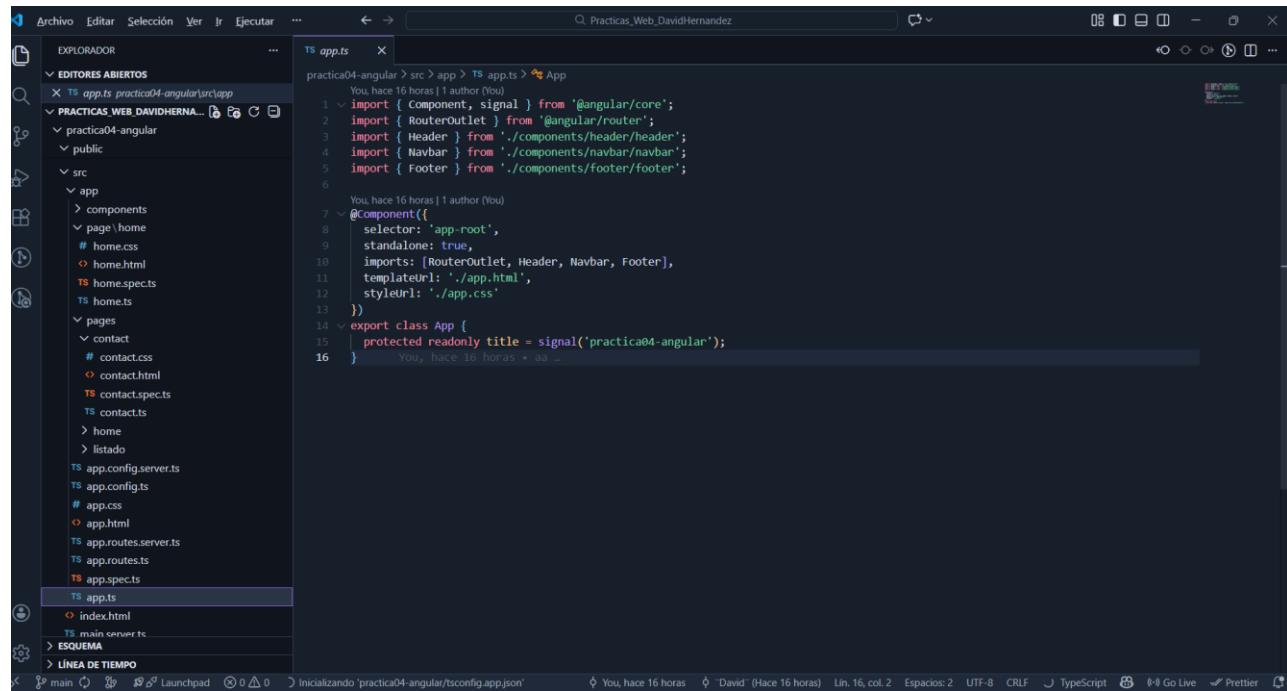
111 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities
PS C:\Users\AlexVilade\OneDrive\Documentos\GitHub\Practicas_Web_AlejandroVargasLazca\practica04-angular>
```

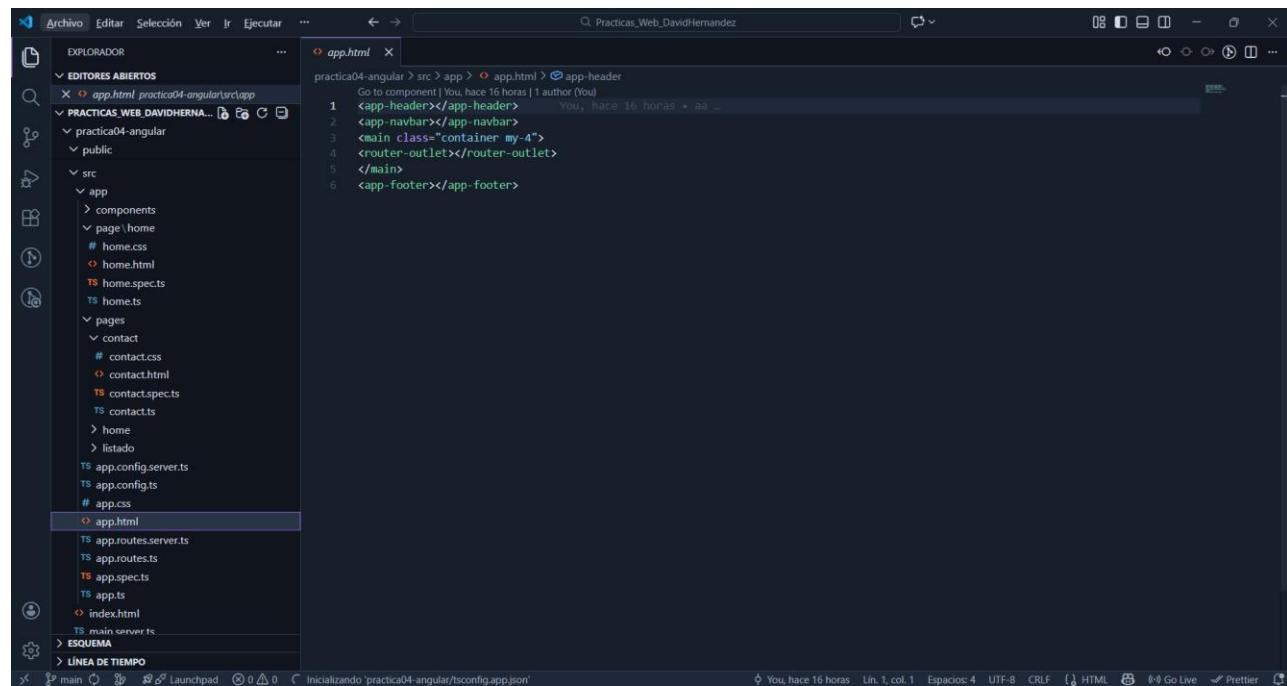
Crea las Paginas del sitio



SECCIÓN F: Armar el layout principal (práctica anterior)

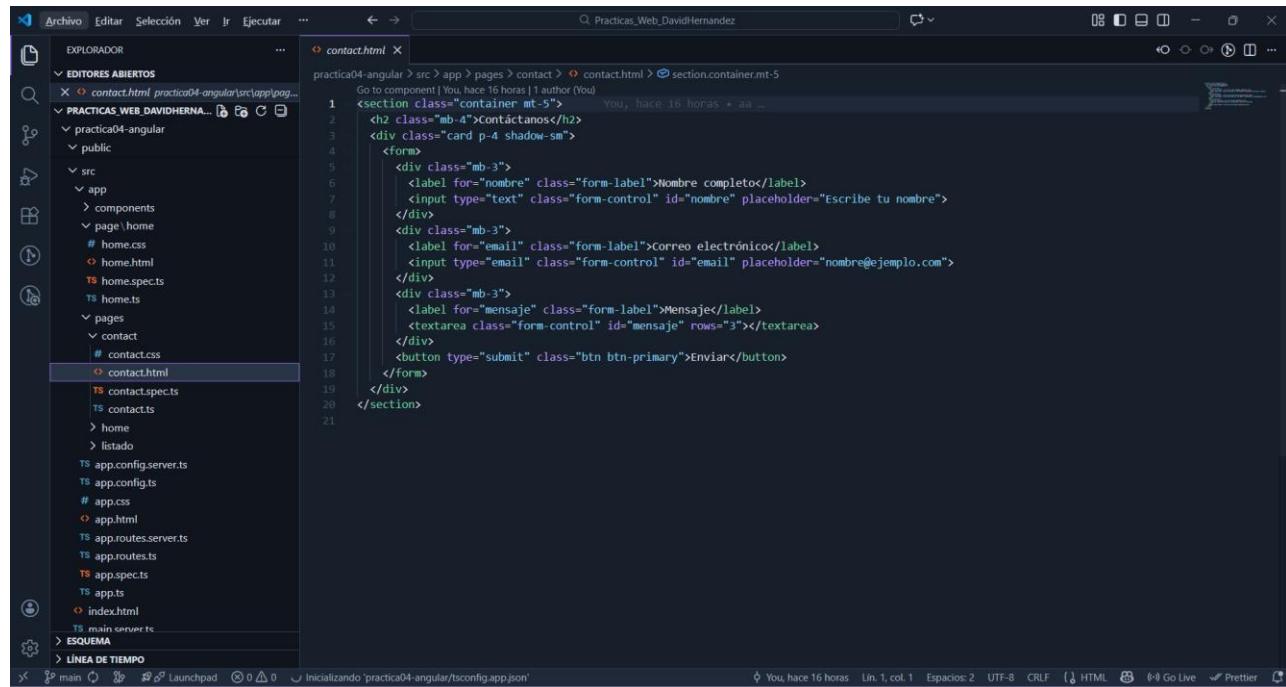


```
practica04-angular > src > app > TS app.ts > App
You hace 16 horas | 1 autor (You)
1 import { Component, signal } from '@angular/core';
2 import { RouterOutlet } from '@angular/router';
3 import { Header } from './components/header/header';
4 import { Navbar } from './components/navbar/navbar';
5 import { Footer } from './components/footer/footer';
6
7 @Component({
8   selector: 'app-root',
9   standalone: true,
10  imports: [RouterOutlet, Header, Navbar, Footer],
11  templateUrl: './app.html',
12  styleUrls: ['./app.css'
13 })
14 export class App {
15   protected readonly title = signal('practica04-angular');
16 }
```



```
practica04-angular > src > app > app.html > app-header
Go to component | You hace 16 horas | 1 autor (You)
1 <app-header></app-header>
2 <app-navbar></app-navbar>
3 <main class="container my-4">
4 <router-outlet></router-outlet>
5 </main>
6 <app-footer></app-footer>
```

SECCIÓN G: Crear páginas adicionales

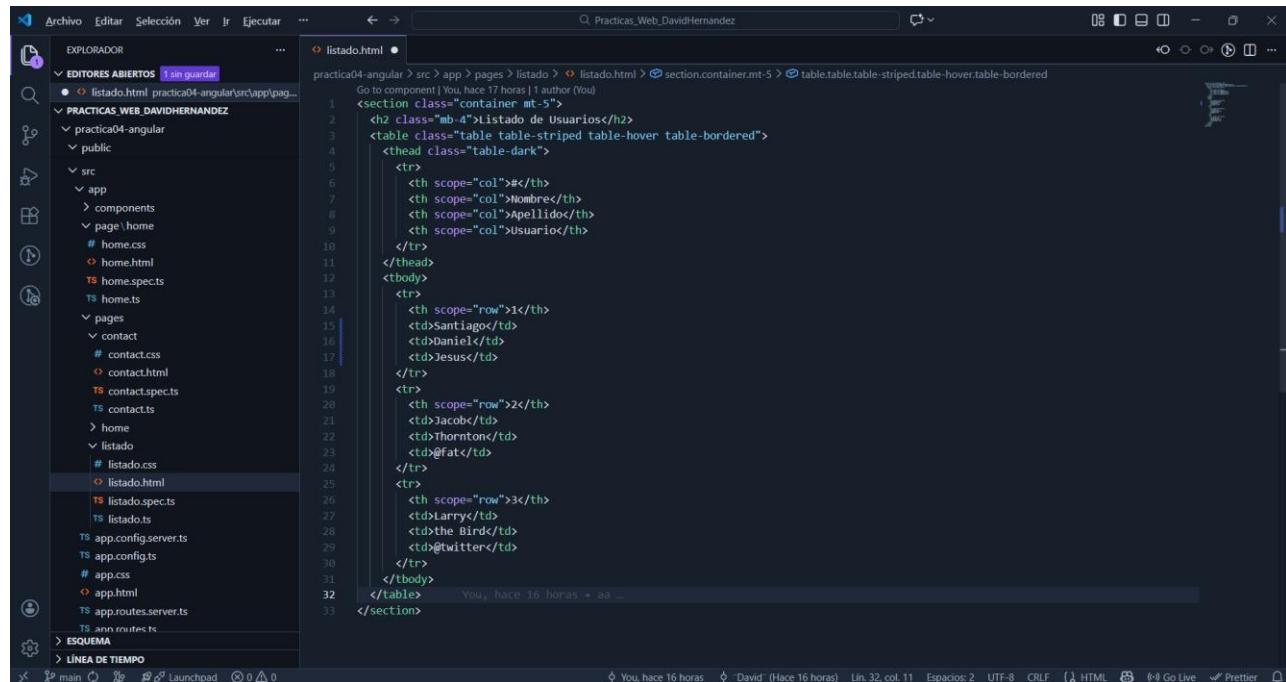


The screenshot shows the Visual Studio Code interface with the following details:

- Editor Area:** Displays the content of `contact.html`. The code is an Angular component for a contact form.
- Explorer Bar:** Shows the project structure under "PRACTICAS WEB DAVIDHERNANDEZ". The "contact.html" file is selected.
- Bottom Status Bar:** Shows "Inicializando 'practica04-angular/tsconfig.app.json'" and other status indicators.

```
<section class="container mt-5">
  <h2 class="mb-4">Contactámonos</h2>
  <div class="card p-4 shadow-sm">
    <form>
      <div class="mb-3">
        <label for="nombre" class="form-label">Nombre completo</label>
        <input type="text" class="form-control" id="nombre" placeholder="Escribe tu nombre">
      </div>
      <div class="mb-3">
        <label for="email" class="form-label">Correo electrónico</label>
        <input type="email" class="form-control" id="email" placeholder="nombre@ejemplo.com">
      </div>
      <div class="mb-3">
        <label for="mensaje" class="form-label">Mensaje</label>
        <textarea class="form-control" id="mensaje" rows="3"></textarea>
      </div>
      <button type="submit" class="btn btn-primary">Enviar</button>
    </form>
  </div>
</section>
```

Página 2: Tabla (Listado)



The screenshot shows the Visual Studio Code interface with the following details:

- Editor Area:** Displays the content of `listado.html`. The code is an Angular component for displaying a user list.
- Explorer Bar:** Shows the project structure under "PRACTICAS WEB DAVIDHERNANDEZ". The "listado.html" file is selected.
- Bottom Status Bar:** Shows "Inicializando 'practica04-angular/tsconfig.app.json'" and other status indicators.

```
<table class="table table-striped table-hover table-bordered">
  <thead class="table-dark">
    <tr>
      <th scope="col"></th>
      <th scope="col">Nombre</th>
      <th scope="col">Apellido</th>
      <th scope="col">Usuario</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">1</th>
      <td>Santiago</td>
      <td>Daniel</td>
      <td>Jesus</td>
    </tr>
    <tr>
      <th scope="row">2</th>
      <td>Jacob</td>
      <td>Thornton</td>
      <td>Fat</td>
    </tr>
    <tr>
      <th scope="row">3</th>
      <td>Larry</td>
      <td>the Bird</td>
      <td>Twitter</td>
    </tr>
  </tbody>
</table>
```

SECCIÓN H: Configurar rutas

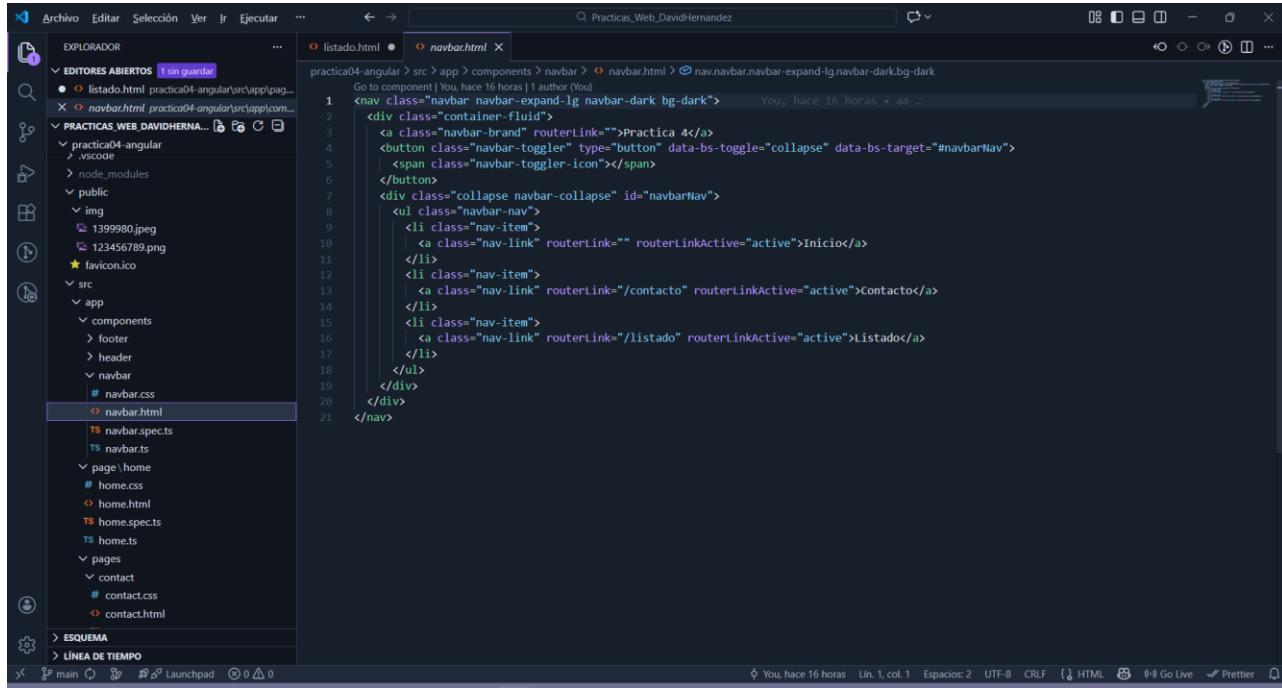
The screenshot shows the Visual Studio Code interface with the title bar "Prácticas_Web_DavidHernandez". The left sidebar displays the file structure under "PRACTICAS WEB DAVIDHERNANDEZ". The main editor tab is "app.config.ts", which contains the following code:

```
You, ayer | 1 author (You)
1 import { ApplicationConfig, provideBrowserGlobalErrorListeners } from '@angular/core';
2 import { provideRouter } from '@angular/router';
3
4 import { routes } from './app.routes';
5 import { provideClientHydration, withEventReplay } from '@angular/platform-browser';
6
7 export const appConfig: ApplicationConfig = {
8   providers: [
9     provideBrowserGlobalErrorListeners(),
10    provideRouter(routes), provideClientHydration(withEventReplay())
11  ]
12};
13
```

The screenshot shows the Visual Studio Code interface with the title bar "Prácticas_Web_DavidHernandez". The left sidebar displays the file structure under "PRACTICAS WEB DAVIDHERNANDEZ". The main editor tab is "home.html", which contains the following code:

```
practica04-angular > src > app > page > home > home.html > section.container.mt-4 > div.row > div.col-md-6.mb-3 > div.card.shadow > img.card-img-top
Go to component | You, hace 16 horas | 1 author (You)
1 <section class="container mt-4">
2   <h1 class="mb-4 text-center">Bienvenido a mi Práctica Angular</h1>
3
4   <div class="row">
5     <div class="col-md-6 mb-3">
6       <div class="card shadow">
7         
8         <div class="card-body">
9           <p class="card-text">Mexico en su maxima Expresión.</p>
10        </div>
11      </div>
12    </div>
13
14    <div class="col-md-6 mb-3">
15      <div class="card shadow">
16        
17        <div class="card-body">
18          <p class="card-text">La ciudad de Mexico iluminada.</p>
19        </div>
20      </div>
21    </div>
22  </div>
23</section>
```

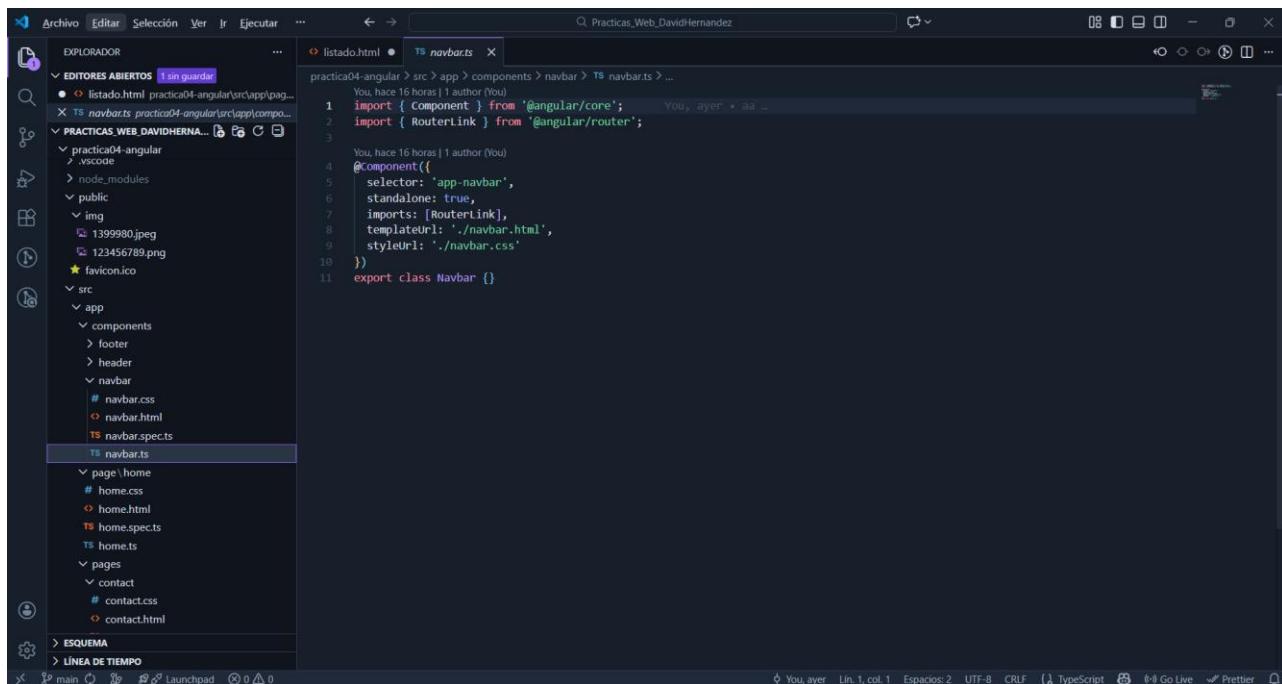
SECCIÓN I: Navegación con RouterLink



The screenshot shows the VS Code interface with the following details:

- File Explorer:** Shows the project structure with files like `listado.html`, `navbar.html`, `navbar.css`, and `navbar.ts`.
- Editor:** Displays the `navbar.html` file content, which includes an Angular navigation bar with links to `Inicio`, `Contacto`, and `Listado`.
- Bottom Status Bar:** Shows the current user (`You`), the date (`hace 16 horas`), line and column information (`Lín. 1, col. 1`), and file encoding (`UTF-8 CRLF`).

```
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" routerLink="">Practica 4</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link" routerLink="" routerLinkActive="active">Inicio</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" routerLink="/contacto" routerLinkActive="active">Contacto</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" routerLink="/listado" routerLinkActive="active">Listado</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```



The screenshot shows the VS Code interface with the following details:

- File Explorer:** Shows the project structure with files like `listado.html`, `navbar.html`, `navbar.css`, and `navbar.ts`.
- Editor:** Displays the `navbar.ts` file content, which defines a component named `Navbar` with a selector of `'app-navbar'`.
- Bottom Status Bar:** Shows the current user (`You`), the date (`ayer`), line and column information (`Lín. 1, col. 1`), and file encoding (`UTF-8 CRLF`).

```
import { Component } from '@angular/core';
import { RouterLink } from '@angular/router';

@Component({
  selector: 'app-navbar',
  standalone: true,
  imports: [RouterLink],
  templateUrl: './navbar.html',
  styleUrls: ['./navbar.css']
})
export class Navbar {}
```

SECCIÓN J: Visualización de imágenes

The screenshot shows a web browser window with the title "Práctica04Angular". The URL bar displays "localhost:4200". The main content area has a blue header with the text "Práctica 04: Angular" and "Desarrollo de Aplicaciones Web - David de Jesus". Below the header is a navigation bar with links "Practica 4", "Inicio", "Contacto", and "Listado". The main content area features two images: one of two men in cowboy hats standing next to a Ford truck, and another of a brightly lit dome at night.

Bienvenido a mi Práctica Angular



The screenshot shows a web browser window with the title "Práctica04Angular". The URL bar displays "localhost:4200/contacto". The main content area has a blue header with the text "Desarrollo de Aplicaciones Web - David de Jesus". Below the header is a navigation bar with links "Practica 4", "Inicio", "Contacto" (which is highlighted), and "Listado".

Contáctanos

Nombre completo

Correo electrónico

Mensaje

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Listado de Usuarios

#	Nombre	Apellido	Usuario
1	Santiago	Pluna	El Tamal
2	Daniel	Uriel	El Pelusa
3	Jesus	Tetetla	La Pulga

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Desarrollado por [INGDavid]