

1/16/2026

# PRACTICA 04

*Angular*

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MATERIA: APLICACIONES WEB

ALUMNO: DIEGO EFRAÍN HERNÁNDEZ HERNÁNDEZ

TIID\_04\_01

ENERO - ABRIL 2026

# TERMINAL VS (ANGULAR FUNCIONANDO)

EXPLORER

PRÁCTICAS\_WEB\_DIEGO\_EFRAIN\_HERNANDEZ\_HERNANDEZ

Practica01

Practica02

css

# styles.css

img

angies.png

stocky logo.png

index.html

Practica03

practica04-angular

.gitattributes

PRÁCTICA 01-INSTALACIÓN...

PRÁCTICA 02-HTML Y CSS...

esbuild practica04-angular X

PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas\_web\_Diego\_Efrain\_Hernandez\_Hernandez> ng new practica04-angular

✓ Which stylesheet system would you like to use? CSS [ https://developer.mozilla.org/docs/Web/CSS ]

✓ 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 practica04-angular/angular.json (2172 bytes)

CREATE practica04-angular/package.json (1214 bytes)

CREATE practica04-angular/README.md (1529 bytes)

CREATE practica04-angular/tsconfig.json (990 bytes)

CREATE practica04-angular/.editorconfig (331 bytes)

CREATE practica04-angular/.gitignore (666 bytes)

CREATE practica04-angular/tsconfig.app.json (464 bytes)

CREATE practica04-angular/tsconfig.spec.json (456 bytes)

CREATE practica04-angular/.vscode/extensions.json (134 bytes)

CREATE practica04-angular/.vscode/launch.json (490 bytes)

CREATE practica04-angular/.vscode/mcp.json (191 bytes)

CREATE practica04-angular/.vscode/tasks.json (1020 bytes)

CREATE practica04-angular/src/main.ts (228 bytes)

CREATE practica04-angular/src/index.html (316 bytes)

CREATE practica04-angular/src/styles.css (81 bytes)

CREATE practica04-angular/src/main.server.ts (300 bytes)

CREATE practica04-angular/src/server.ts (1677 bytes)

CREATE practica04-angular/src/app/app.spec.ts (708 bytes)

CREATE practica04-angular/src/app/app.ts (312 bytes)

CREATE practica04-angular/src/app/app.css (0 bytes)

CREATE practica04-angular/src/app/app.html (20446 bytes)

CREATE practica04-angular/src/app/app.config.ts (453 bytes)

CREATE practica04-angular/src/app/app.routes.ts (80 bytes)

CREATE practica04-angular/src/app/app.config.server.ts (438 bytes)

CREATE practica04-angular/src/app/app.routes.server.ts (174 bytes)

CREATE practica04-angular/public/favicon.ico (15086 bytes)

✓ Packages installed successfully.

Directory is already under version control. Skipping initialization of git.

PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas\_web\_Diego\_Efrain\_Hernandez\_Hernandez> cd practica04-angular

PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas\_web\_Diego\_Efrain\_Hernandez\_Hernandez\practica04-angular> ng serve

Would you like to share pseudonymous usage data about this project with the Angular Team at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more details and how to change this setting, see https://angular.dev/cli/analytics.

No

Global setting: enabled

Local setting: disabled

Effective status: disabled

Browser bundles

Initial chunk files

Names

Raw size

main.js

styles.css

Initial total

48.62 kB

Server bundles

Initial chunk files

Names

Raw size

main.server.mjs

server.mjs

polyfills.server.mjs

49.79 kB

1.81 kB

243 bytes

FPS N/A | GPU 26% | CPU 47% | LAT N/A

Server bundles

Initial chunk files

Names

Raw size

main.server.mjs

server.mjs

polyfills.server.mjs

49.79 kB

1.81 kB

243 bytes

Application bundle generation complete. [2.737 seconds] - 2026-01-22T19:29:29.321Z

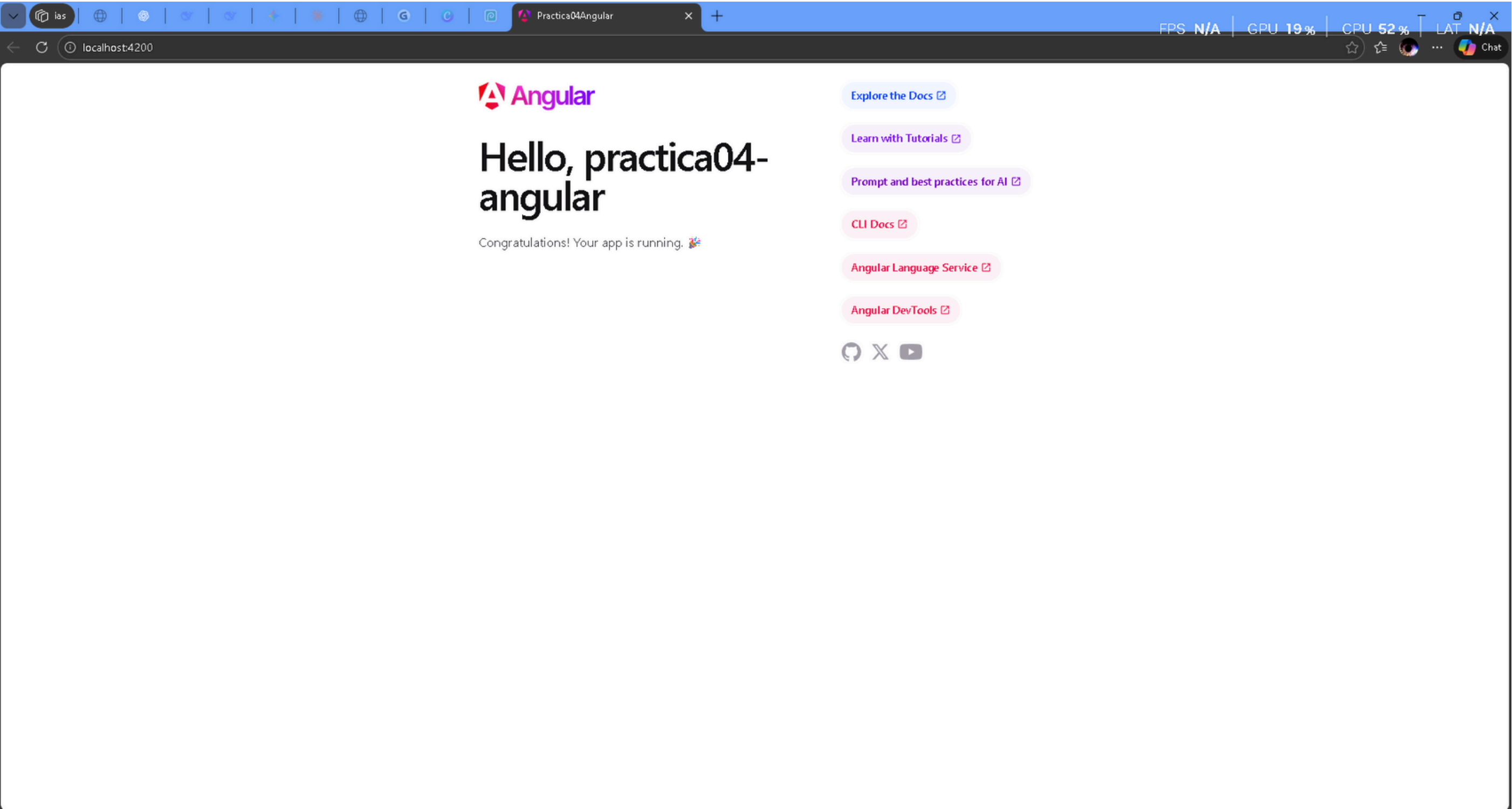
Watch mode enabled. Watching for file changes...

NOTE: Raw file sizes do not reflect development server per-request transformations.

→ Local: http://localhost:4200/

→ press h + enter to show help

# ANGULAR



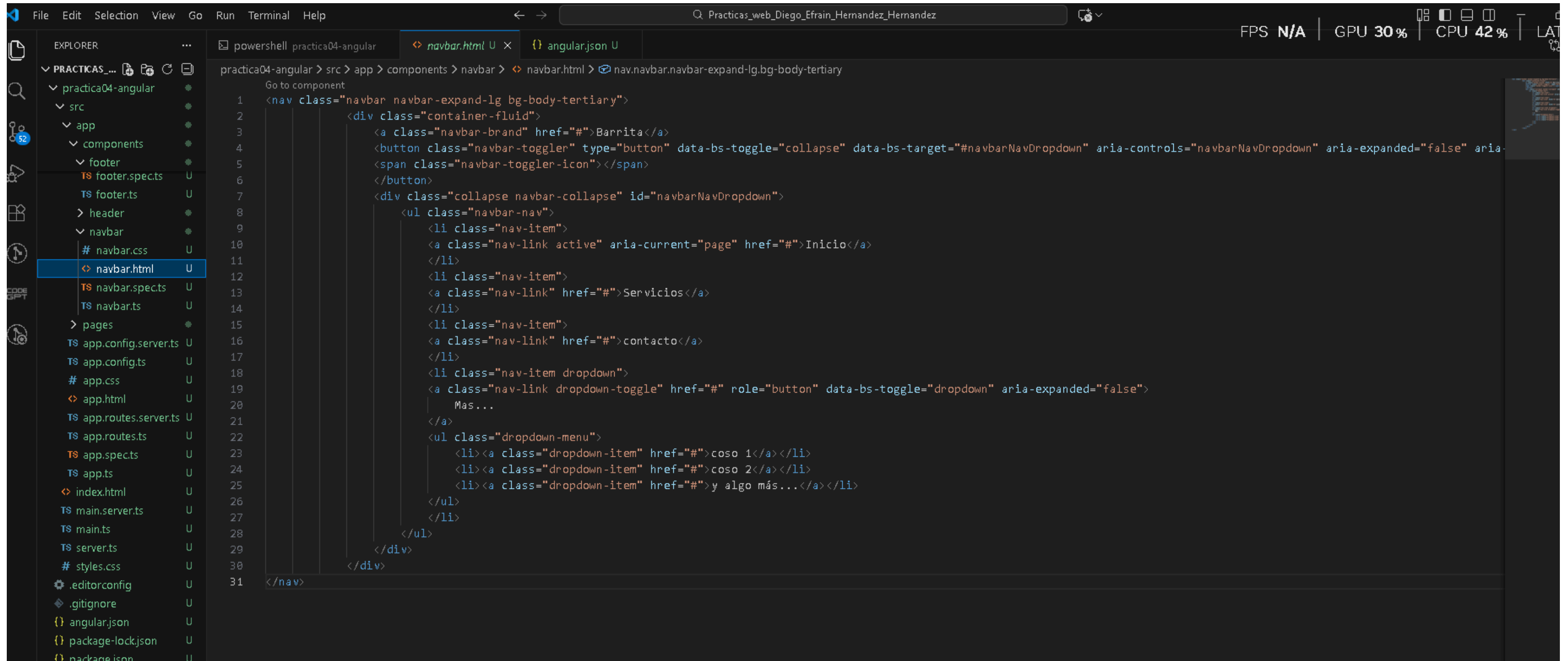
# CÓDIGO VS

The screenshot shows the VS Code interface. On the left, the Explorer sidebar displays the project structure. The 'practica04-angular' folder is expanded, showing subfolders like '.angular', '.vscode', 'node\_modules', 'public', and 'src', along with files like '.editorconfig', '.gitignore', 'angular.json', 'package-lock.json', 'package.json', 'README.md', 'tsconfig.app.json', 'tsconfig.json', 'tsconfig.spec.json', and '.gitattributes'. The main editor area shows the 'angular.json' file for the 'practica04-angular' project. The configuration includes a 'build' section with a builder '@angular/build:application' and various options like 'browser', 'tsConfig', 'assets', 'styles', and 'scripts'.

```
... powershell practica04-angular x { } angular.json U index.html M
WEB_DIEGO_EFRAIN... PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular> ng serve
1 server.mjs | server | 1.81 KB |
2 polyfills.server.mjs | polyfills.server | 243 bytes |
3
Application bundle generation complete. [2.022 seconds] - 2026-01-22T19:51:10.105Z

Watch mode enabled. Watching for file changes...
NOTE: Raw file sizes do not reflect development server per-request transformations.
1:51:10 PM [vite] (client) Re-optimizing dependencies because lockfile has changed
1:51:10 PM [vite] (ssr) Re-optimizing dependencies because lockfile has changed (x2)
→ Local: http://localhost:4200/
→ press h + enter to show help
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular> ng generate component components/header
>> ng generate component components/navbar
•>> ng generate component components/footer
• CREATE src/app/components/header/header.spec.ts (554 bytes)
• CREATE src/app/components/header/header.ts (197 bytes)
• CREATE src/app/components/header/header.css (0 bytes)
• CREATE src/app/components/header/header.html (22 bytes)
• CREATE src/app/components/navbar/navbar.spec.ts (554 bytes)
• CREATE src/app/components/navbar/navbar.ts (197 bytes)
• CREATE src/app/components/navbar/navbar.css (0 bytes)
• CREATE src/app/components/navbar/navbar.html (22 bytes)
• CREATE src/app/components/footer/footer.spec.ts (554 bytes)
• CREATE src/app/components/footer/footer.ts (197 bytes)
• CREATE src/app/components/footer/footer.css (0 bytes)
• CREATE src/app/components/footer/footer.html (22 bytes)
• PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular>
• PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular>
• PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular>
• PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular>
• PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular> ng generate component pages/home
•>> ng generate component pages/contact
•>> ng generate component pages/listado
• CREATE src/app/pages/home/home.spec.ts (540 bytes)
• CREATE src/app/pages/home/home.ts (189 bytes)
• CREATE src/app/pages/home/home.css (0 bytes)
• CREATE src/app/pages/home/home.html (20 bytes)
• CREATE src/app/pages/contact/contact.spec.ts (561 bytes)
• CREATE src/app/pages/contact/contact.ts (201 bytes)
• CREATE src/app/pages/contact/contact.css (0 bytes)
• CREATE src/app/pages/contact/contact.html (23 bytes)
• CREATE src/app/pages/listado/listado.spec.ts (561 bytes)
• CREATE src/app/pages/listado/listado.ts (201 bytes)
• CREATE src/app/pages/listado/listado.css (0 bytes)
• CREATE src/app/pages/listado/listado.html (23 bytes)
• PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica04-angular>
```

# CÓDIGO VS

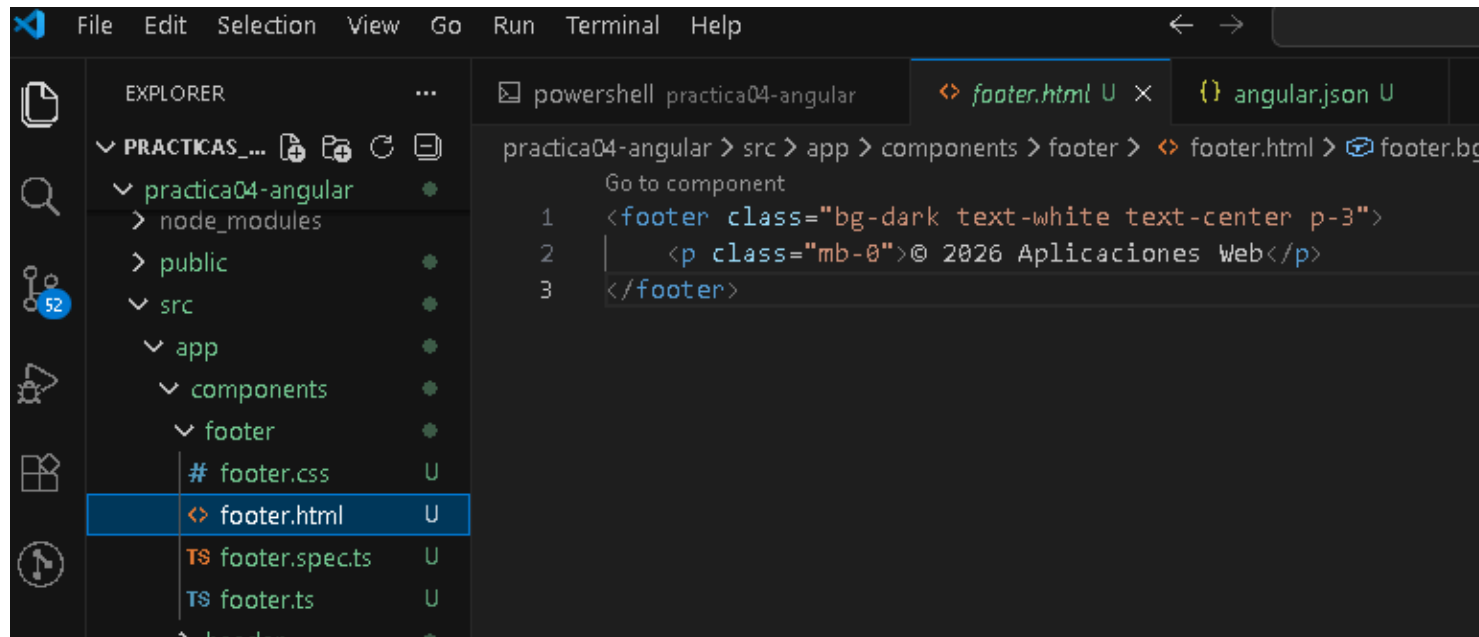


The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left, the main editor area in the center, and the Run and Debug sidebar on the right. The Explorer sidebar displays the project structure for 'practica04-angular', including files like 'src/app/components/navbar/navbar.html', 'src/app/footer/footer.spec.ts', 'src/app/footer/footer.ts', 'src/app/header/header.spec.ts', 'src/app/header/header.ts', 'src/app/pages/index.html', 'src/app/pages/main.server.ts', 'src/app/pages/main.ts', 'src/app/pages/server.ts', 'src/app/pages/styles.css', 'src/app/pages/.editorconfig', 'src/app/pages/.gitignore', 'src/app/pages/angular.json', 'src/app/pages/package-lock.json', and 'src/app/pages/package.json'. The main editor area shows the content of 'navbar.html', which is a Bootstrap navbar component. The code includes a toggle button for a dropdown menu, a list of navigation links, and a dropdown menu with three items: 'coso 1', 'coso 2', and 'y algo más...'. The Run and Debug sidebar shows the current state of the application, including FPS, GPU, and CPU usage.

```
1 <nav class="navbar navbar-expand-lg bg-body-tertiary">
2   <div class="container-fluid">
3     <a class="navbar-brand" href="#">Barrita</a>
4     <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavDropdown" aria-controls="navbarNavDropdown" aria-expanded="false" aria-label="Toggle navigation">
5       <span class="navbar-toggler-icon"></span>
6     </button>
7     <div class="collapse navbar-collapse" id="navbarNavDropdown">
8       <ul class="navbar-nav">
9         <li class="nav-item">
10          <a class="nav-link active" aria-current="page" href="#">Inicio</a>
11        </li>
12        <li class="nav-item">
13          <a class="nav-link" href="#">Servicios</a>
14        </li>
15        <li class="nav-item">
16          <a class="nav-link" href="#">contacto</a>
17        </li>
18        <li class="nav-item dropdown">
19          <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown" aria-expanded="false">
20            Mas...
21          </a>
22          <ul class="dropdown-menu">
23            <li><a class="dropdown-item" href="#">coso 1</a></li>
24            <li><a class="dropdown-item" href="#">coso 2</a></li>
25            <li><a class="dropdown-item" href="#">y algo más...</a></li>
26          </ul>
27        </li>
28      </ul>
29    </div>
30  </div>
31 </nav>
```

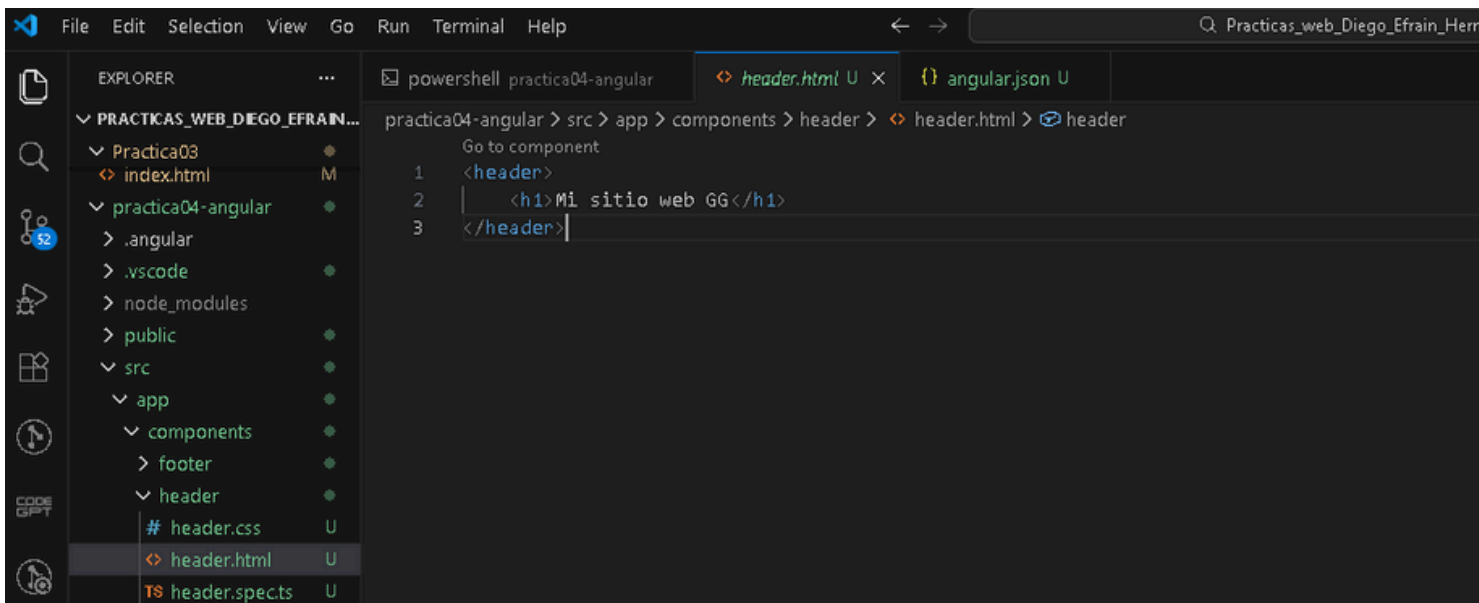


# CÓDIGO VS



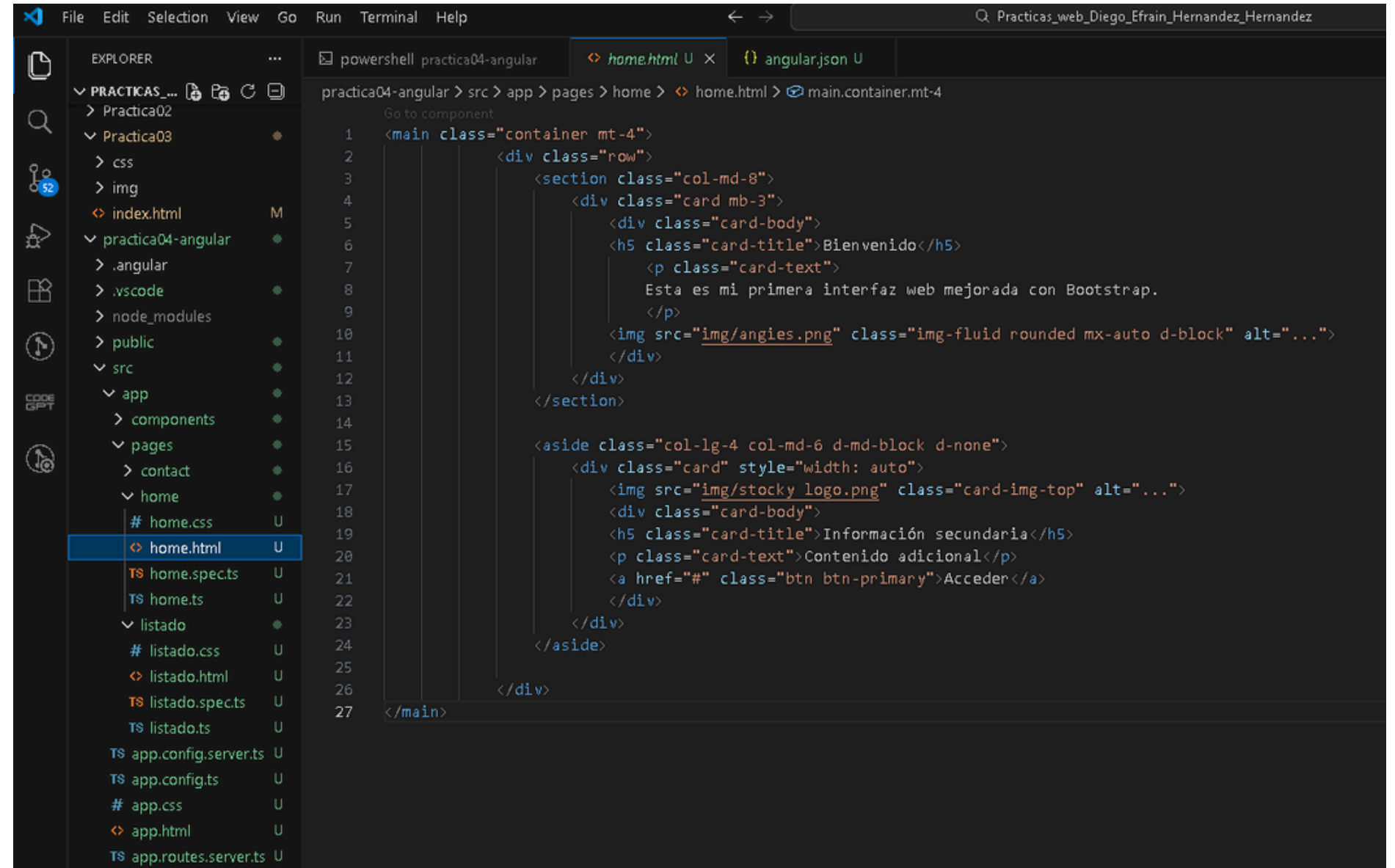
This screenshot shows the VS Code editor with the file explorer on the left displaying the project structure of 'practica04-angular'. The file 'footer.html' is selected in the 'components/footer' directory. The main editor area shows the content of 'footer.html' with line numbers 1 to 3. The terminal at the bottom shows the command 'practica04-angular > src > app > components > footer > > footer.html > footer.bg'.

```
1 <footer class="bg-dark text-white text-center p-3">
2   <p class="mb-0">© 2026 Aplicaciones Web</p>
3 </footer>
```



This screenshot shows the VS Code editor with the file explorer on the left displaying the project structure of 'practica04-angular'. The file 'header.html' is selected in the 'components/header' directory. The main editor area shows the content of 'header.html' with line numbers 1 to 3. The terminal at the bottom shows the command 'practica04-angular > src > app > components > header > > header.html > header'.

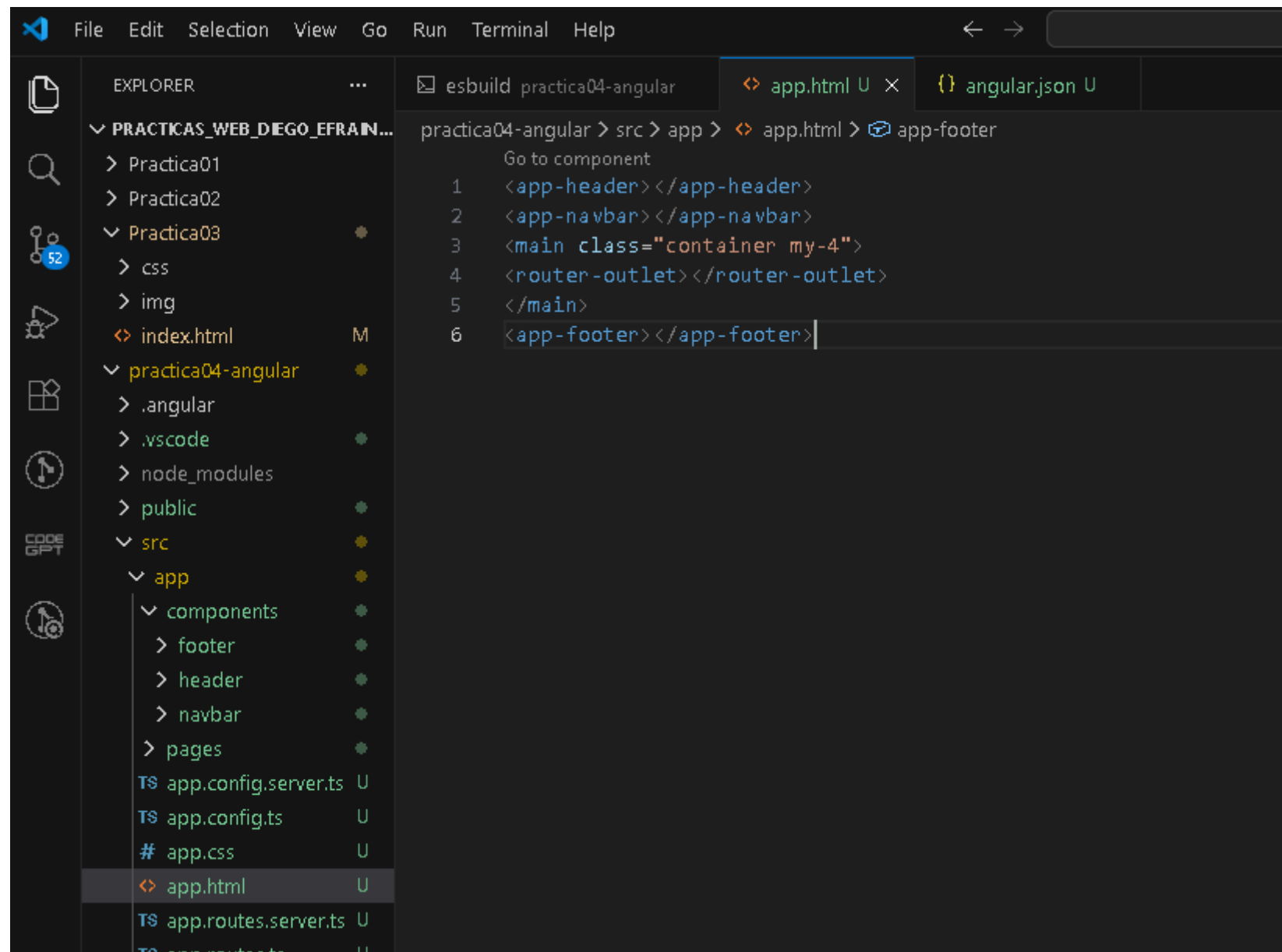
```
1 <header>
2   <h1>Mi sitio web GG</h1>
3 </header>
```



This screenshot shows the VS Code editor with the file explorer on the left displaying the project structure of 'practica04-angular'. The file 'home.html' is selected in the 'pages/home' directory. The main editor area shows the content of 'home.html' with line numbers 1 to 27. The terminal at the bottom shows the command 'practica04-angular > src > app > pages > home > > home.html > main.container.mt-4'.

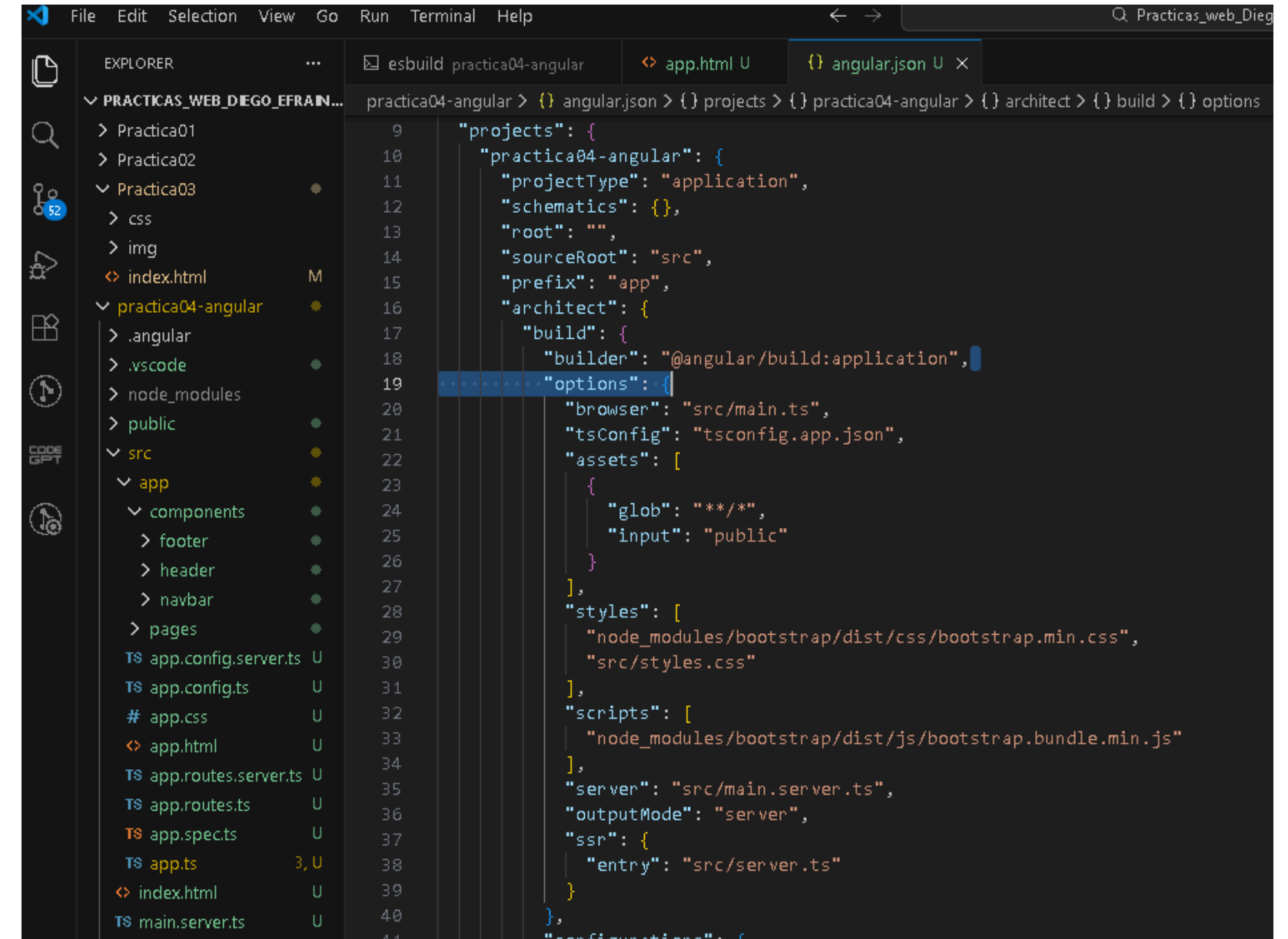
```
1 <main class="container mt-4">
2   <div class="row">
3     <section class="col-md-8">
4       <div class="card mb-3">
5         <div class="card-body">
6           <h5 class="card-title">Bienvenido</h5>
7           <p class="card-text">
8             Esta es mi primera interfaz web mejorada con Bootstrap.
9           </p>
10          
11        </div>
12      </div>
13    </section>
14
15    <aside class="col-lg-4 col-md-6 d-md-block d-none">
16      <div class="card" style="width: auto">
17        
18        <div class="card-body">
19          <h5 class="card-title">Información secundaria</h5>
20          <p class="card-text">Contenido adicional</p>
21          <a href="#" class="btn btn-primary">Acceder</a>
22        </div>
23      </div>
24    </aside>
25  </div>
26
27 </main>
```

# CÓDIGO VS



The screenshot shows the VS Code editor interface. The Explorer sidebar on the left displays the project structure for 'practica04-angular', including folders like 'components' and 'pages'. The main editor area shows the 'app.html' file with the following content:

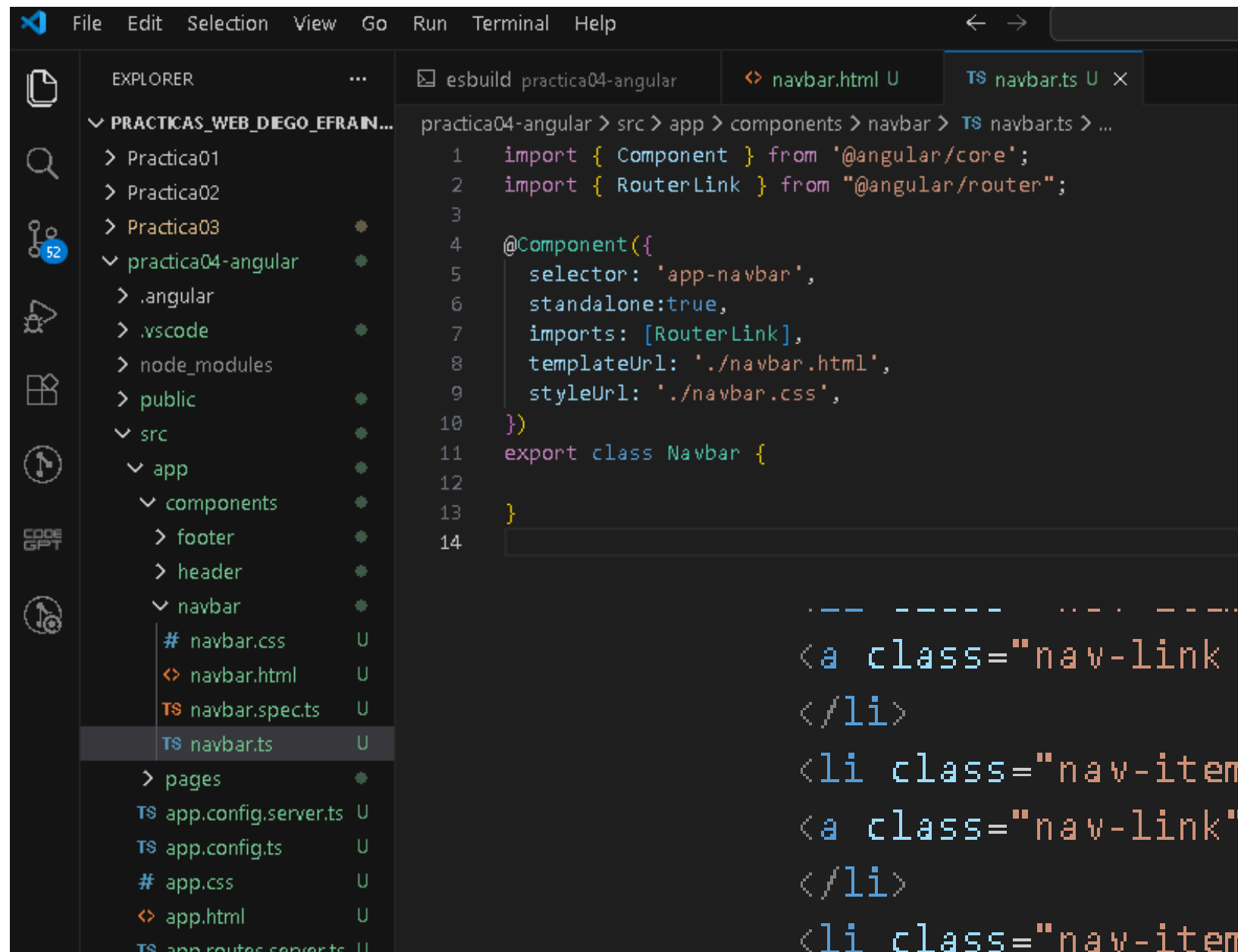
```
1 <app-header></app-header>
2 <app-navbar></app-navbar>
3 <main class="container my-4">
4 <router-outlet></router-outlet>
5 </main>
6 <app-footer></app-footer>
```



The screenshot shows the VS Code editor interface with the 'angular.json' file open. The Explorer sidebar on the left shows the project structure. The main editor area displays the configuration for the 'practica04-angular' project:

```
9 "projects": {
10   "practica04-angular": {
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             "node_modules/bootstrap/dist/css/bootstrap.min.css",
30             "src/styles.css"
31           ],
32           "scripts": [
33             "node_modules/bootstrap/dist/js/bootstrap.bundle.min.js"
34           ],
35           "server": "src/main.server.ts",
36           "outputMode": "server",
37           "ssr": {
38             "entry": "src/server.ts"
39           }
40         }
41       }
42     }
43   }
44 }
```

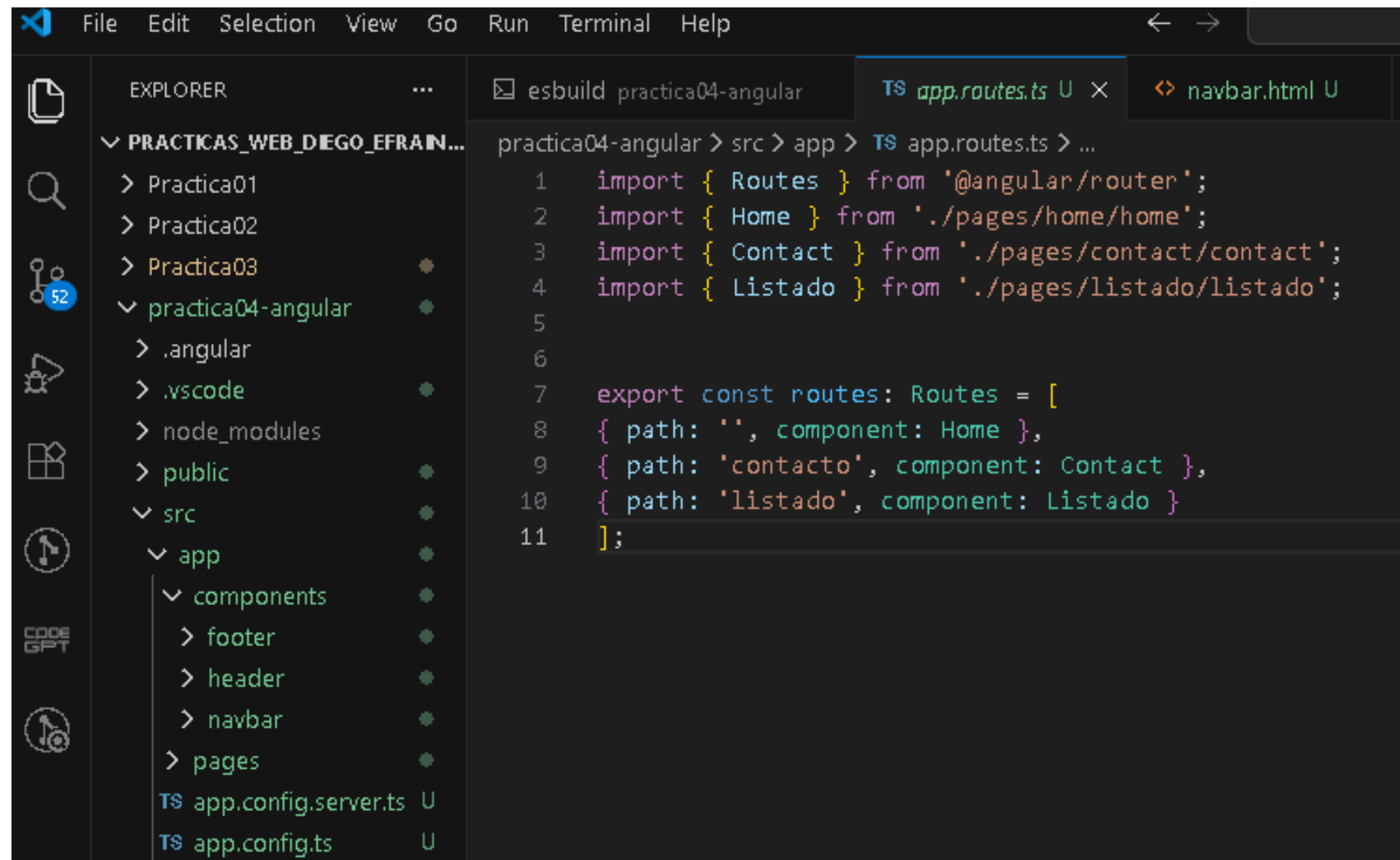
# CÓDIGO VS



```
-----
<a class="nav-link active" aria-current="page" routerLink="#">Inicio</a>
</li>
<li class="nav-item">
<a class="nav-link" routerLink="/listado">listado</a>
</li>
<li class="nav-item">
<a class="nav-link" routerLink="/contacto">contacto</a>
</li>
```

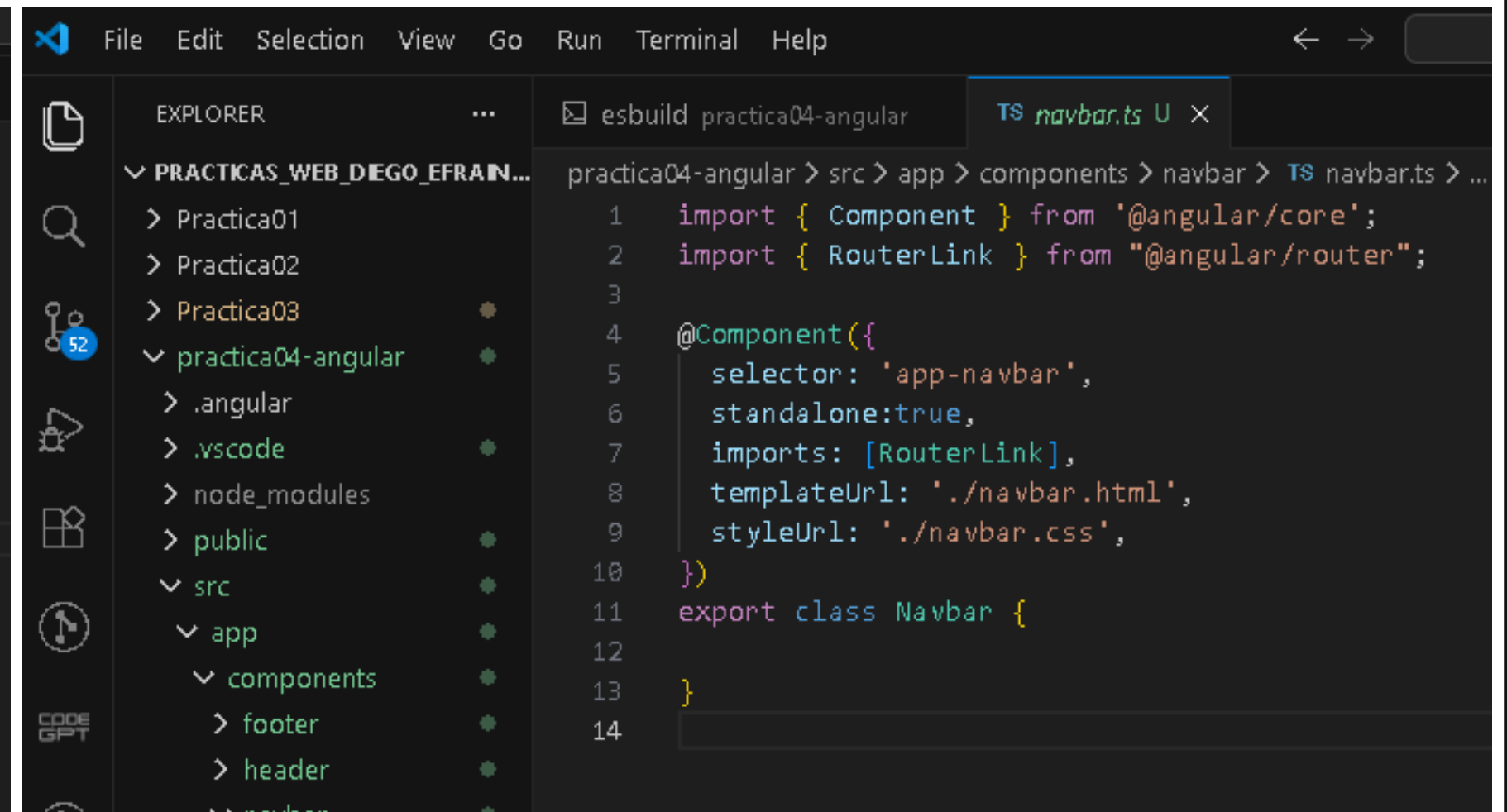


# CÓDIGO VS



The screenshot shows the VS Code editor interface. The Explorer sidebar on the left displays the project structure for 'practica04-angular', including folders like 'components' and 'pages'. The main editor area shows the 'app.routes.ts' file with the following TypeScript code:

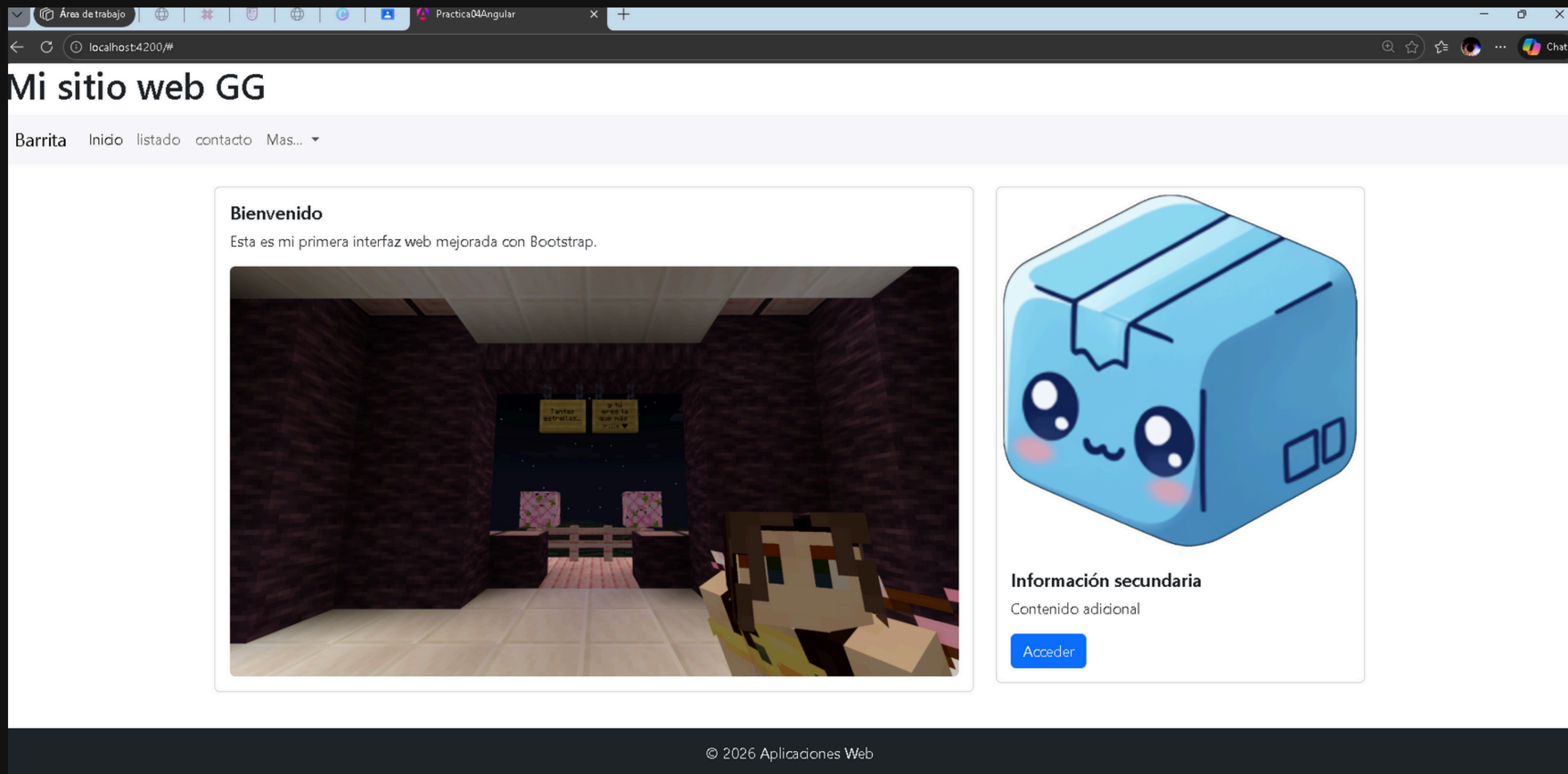
```
1 import { Routes } from '@angular/router';
2 import { Home } from '../pages/home/home';
3 import { Contact } from '../pages/contact/contact';
4 import { Listado } from '../pages/listado/listado';
5
6
7 export const routes: Routes = [
8   { path: '', component: Home },
9   { path: 'contacto', component: Contact },
10  { path: 'listado', component: Listado }
11 ];
```



The screenshot shows the VS Code editor interface. The Explorer sidebar on the left displays the project structure for 'practica04-angular', including folders like 'components' and 'pages'. The main editor area shows the 'navbar.ts' file with the following TypeScript code:

```
1 import { Component } from '@angular/core';
2 import { RouterLink } from '@angular/router';
3
4 @Component({
5   selector: 'app-navbar',
6   standalone: true,
7   imports: [RouterLink],
8   templateUrl: './navbar.html',
9   styleUrls: ['./navbar.css'],
10 })
11 export class Navbar {
12
13 }
14
```

# PÁGINA



# PÁGINA

## Mi sitio web GG

Barrita



### Bienvenido

Esta es mi primera interfaz web mejorada con Bootstrap.



© 2026 Aplicaciones Web

## Mi sitio web GG

Barrita



### Bienvenido

Esta es mi primera interfaz web mejorada con Bootstrap.



Información secundaria

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GRACIAS



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