PRACTICA 06

Modales y validaciones

MAESTRA: DIANA XÓCHITL RUANO VARGAS
MATERIA: APLICACIONES WEB
DIEGO EFRAÍN HERNÁNDEZ HERNÁNDEZ
TIID_04_01
ENERO - ABRIL 2026

TERMINAL

```
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez> ng new practica_js_modal
✓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 practica_js_modal/angular.json (2169 bytes)
CREATE practica_js_modal/package.json (1211 bytes)
CREATE practica_js_modal/README.md (1527 bytes)
CREATE practica_js_modal/tsconfig.json (990 bytes)
CREATE practica_js_modal/.editorconfig (331 bytes)
CREATE practica_js_modal/.gitignore (666 bytes)
CREATE practica_js_modal/tsconfig.app.json (464 bytes)
CREATE practica_js_modal/tsconfig.spec.json (456 bytes)
CREATE practica_js_modal/.vscode/extensions.json (134 bytes)
CREATE practica_js_modal/.vscode/launch.json (490 bytes)
CREATE practica_js_modal/.vscode/mcp.json (191 bytes)
CREATE practica_js_modal/.vscode/tasks.json (1020 bytes)
CREATE practica_js_modal/src/main.ts (228 bytes)
CREATE practica_js_modal/src/index.html (314 bytes)
CREATE practica_js_modal/src/styles.css (81 bytes)
CREATE practica_js_modal/src/main.server.ts (300 bytes)
CREATE practica_js_modal/src/server.ts (1677 bytes)
CREATE practica_js_modal/src/app/app.spec.ts (707 bytes)
CREATE practica_js_modal/src/app/app.ts (311 bytes)
CREATE practica_js_modal/src/app/app.css (0 bytes)
CREATE practica_js_modal/src/app/app.html (20446 bytes)
CREATE practica_js_modal/src/app/app.config.ts (453 bytes)
CREATE practica_js_modal/src/app/app.routes.ts (80 bytes)
CREATE practica_js_modal/src/app/app.config.server.ts (438 bytes)
CREATE practica_js_modal/src/app/app.routes.server.ts (174 bytes)
CREATE practica_js_modal/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 practica_js_modal
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal> npm install Bootstrap
npm error code E404
```

```
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal> npm list bootstrap
practica-js-modal@0.0.0 C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal
└── (empty)

PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal> npm install bootstrap
 --save

added 2 packages, and audited 495 packages in 3s

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

found 0 vulnerabilities
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal> npm list bootstrap
practica-js-modal@0.0.0 C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal
└── bootstrap@5.3.8

PS C:\Users\shado^C              os\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal>
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal>
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal> npm list bootstrap
practica-js-modal@0.0.0 C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal
└── bootstrap@5.3.8

PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal>
```
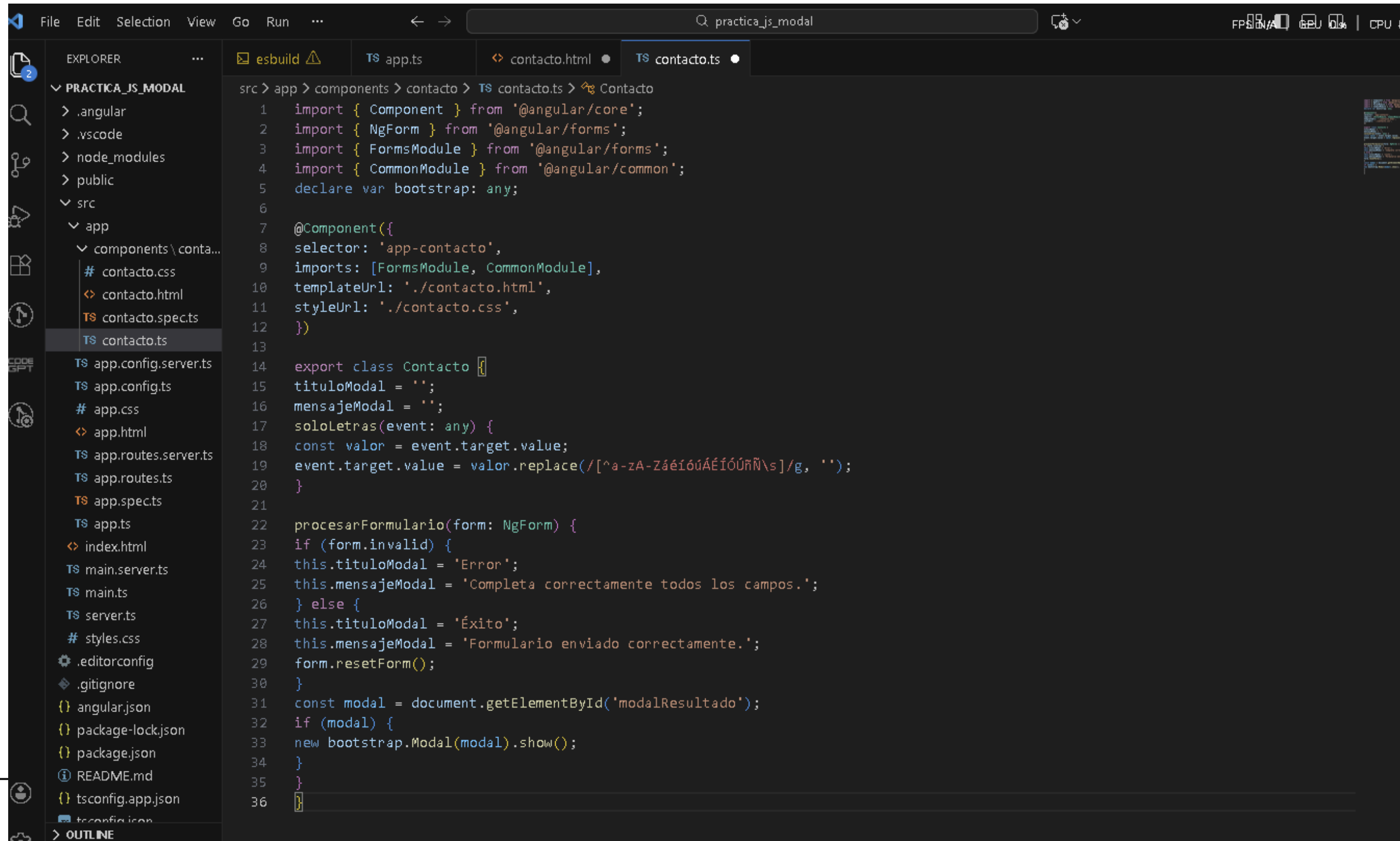
```
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal> ng generate component components/cont
acto
CREATE src/app/components/contacto/contacto.spec.ts (568 bytes)
CREATE src/app/components/contacto/contacto.ts (205 bytes)
CREATE src/app/components/contacto/contacto.css (0 bytes)
CREATE src/app/components/contacto/contacto.html (24 bytes)
PS C:\Users\shado\OneDrive\Documentos\GitHub\Practicas_web_Diego_Efrain_Hernandez_Hernandez\practica_js_modal>
```

```
27        ],
28        "styles": [
29          "node_modules/bootstrap/dist/css/bootstrap.min.css"],
30
31          "scripts": [
32            "node_modules/bootstrap/dist/js/bootstrap.bundle.min.js"
33          ],
34
35        "server": "src/main.server.ts",
```

CONTACTO.TS

File Edit Selection View Go Run ...

FPS N/A GPU CPU

EXPLORER ...

> PRACTICA_JS_MODAL
  > .angular
  > .vscode
  > node_modules
  > public
  ∨ src
    ∨ app
      ∨ components \ conta...
        # 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
    ◆ .gitignore
    {} angular.json
    {} package-lock.json
    {} package.json
    ⓘ README.md
    {} tsconfig.app.json
    tsconfig.json

> OUTLINE

⊠ esbuild ⚠   TS app.ts   <> contacto.html ●   TS contacto.ts ●

src > app > components > contacto > TS contacto.ts > ⚙ Contacto

```typescript
 1  import { Component } from '@angular/core';
 2  import { NgForm } from '@angular/forms';
 3  import { FormsModule } from '@angular/forms';
 4  import { CommonModule } from '@angular/common';
 5  declare var bootstrap: any;
 6
 7  @Component({
 8    selector: 'app-contacto',
 9    imports: [FormsModule, CommonModule],
10    templateUrl: './contacto.html',
11    styleUrl: './contacto.css',
12  })
13
14  export class Contacto {
15    tituloModal = '';
16    mensajeModal = '';
17    soloLetras(event: any) {
18      const valor = event.target.value;
19      event.target.value = valor.replace(/[^a-zA-ZáéíóúÁÉÍÓÚñÑ\s]/g, '');
20    }
21
22    procesarFormulario(form: NgForm) {
23      if (form.invalid) {
24        this.tituloModal = 'Error';
25        this.mensajeModal = 'Completa correctamente todos los campos.';
26      } else {
27        this.tituloModal = 'Éxito';
28        this.mensajeModal = 'Formulario enviado correctamente.';
29        form.resetForm();
30      }
31      const modal = document.getElementById('modalResultado');
32      if (modal) {
33        new bootstrap.Modal(modal).show();
34      }
35    }
36  }
```

CONTACTO.HTML

```html
Go to component
<div class="container mt-4">
    <h2>Contacto</h2>
    <form #formContacto="ngForm"
        (ngSubmit)="procesarFormulario(formContacto)">
        <div class="mb-3">
        <label class="form-label">Nombre</label>
        <input
        type="text"
        class="form-control"
        name="nombre"
        ngModel
        required
        minlength="3"
        maxlength="30"
        #nombreCtrl="ngModel"
        #nombre="ngModel"
        pattern="^[a-zA-ZáéíóúÁÉÍÓÚñÑ\s]+$"
        (input)="soloLetras($event)">
        </div>


        <div *ngIf="nombreCtrl.invalid && nombreCtrl.touched" class="text-danger">
        <small *ngIf="nombreCtrl.errors?.['required']">
        El nombre es obligatorio
        </small>
        <small *ngIf="nombreCtrl.errors?.['minlength']">
        El nombre debe tener al menos 3 caracteres
        </small>
        <small *ngIf="nombreCtrl.errors?.['maxlength']">
        El nombre no debe exceder 30 caracteres
        </small>
        </div>

        <div
            class="text-danger mt-1"
            *ngIf="nombre.invalid && nombre.touched">
            El nombre solo debe contener letras.
        </div>
```
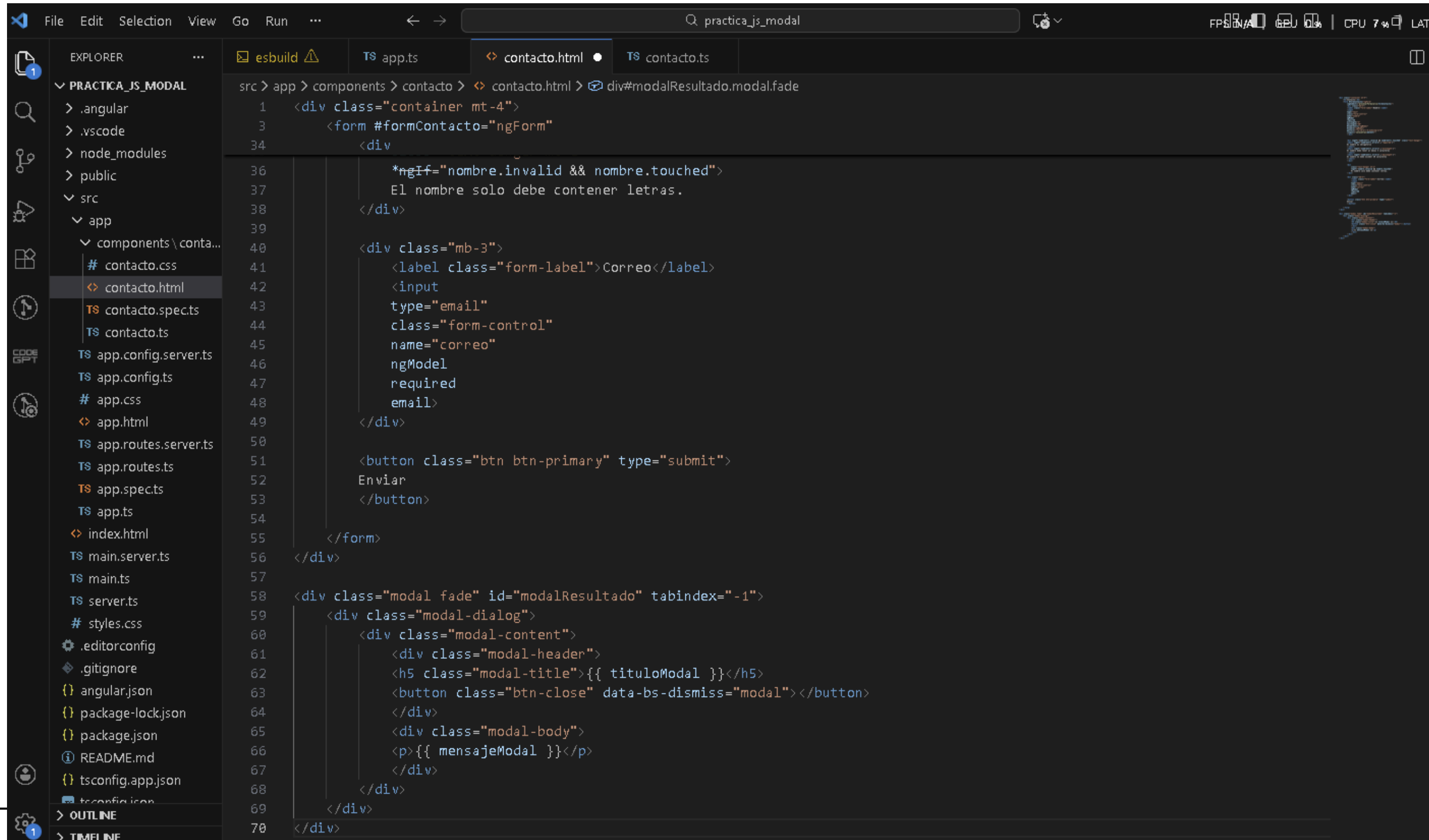
CONTACTO.HTML

```html
<div class="container mt-4">
    <form #formContacto="ngForm">
        <div
            *ngIf="nombre.invalid && nombre.touched">
            El nombre solo debe contener letras.
        </div>

        <div class="mb-3">
            <label class="form-label">Correo</label>
            <input
            type="email"
            class="form-control"
            name="correo"
            ngModel
            required
            email>
        </div>

        <button class="btn btn-primary" type="submit">
        Enviar
        </button>

    </form>
</div>

<div class="modal fade" id="modalResultado" tabindex="-1">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title">{{ tituloModal }}</h5>
                <button class="btn-close" data-bs-dismiss="modal"></button>
            </div>
            <div class="modal-body">
                <p>{{ mensajeModal }}</p>
            </div>
        </div>
    </div>
</div>
```
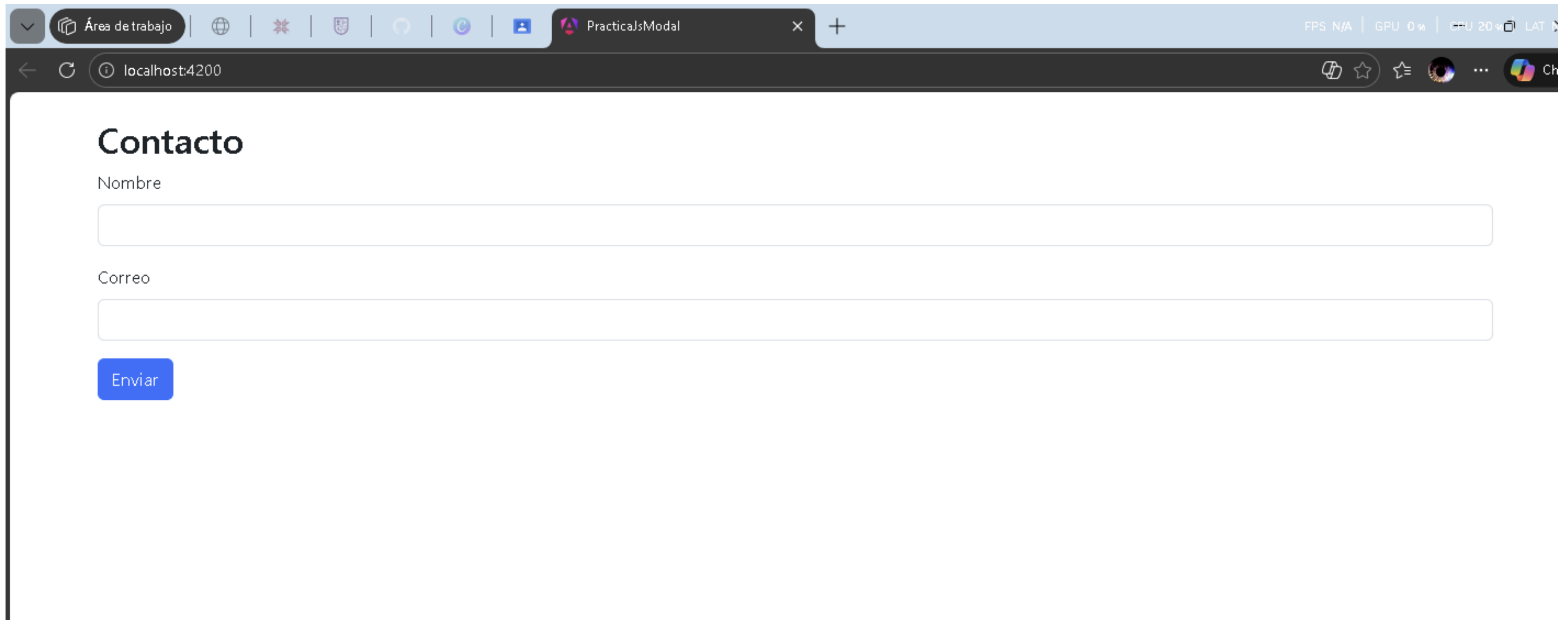
PRUEBAS

PRUEBAS

Contacto

Nombre

xd

El nombre debe tener al menos 3 caracteres

El nombre solo debe contener letras.

Correo

xdxd

Enviar

PRUEBAS

Contacto

Nombre

xd

El nombre debe tener al menos 3 caracteres

El nombre solo debe contener letras.

Correo

xdxd

Enviar

Error

✕

Completa correctamente todos los campos.

PRUEBAS

Contacto

Nombre

Correo

Enviar

Éxito ✕

Formulario enviado correctamente.