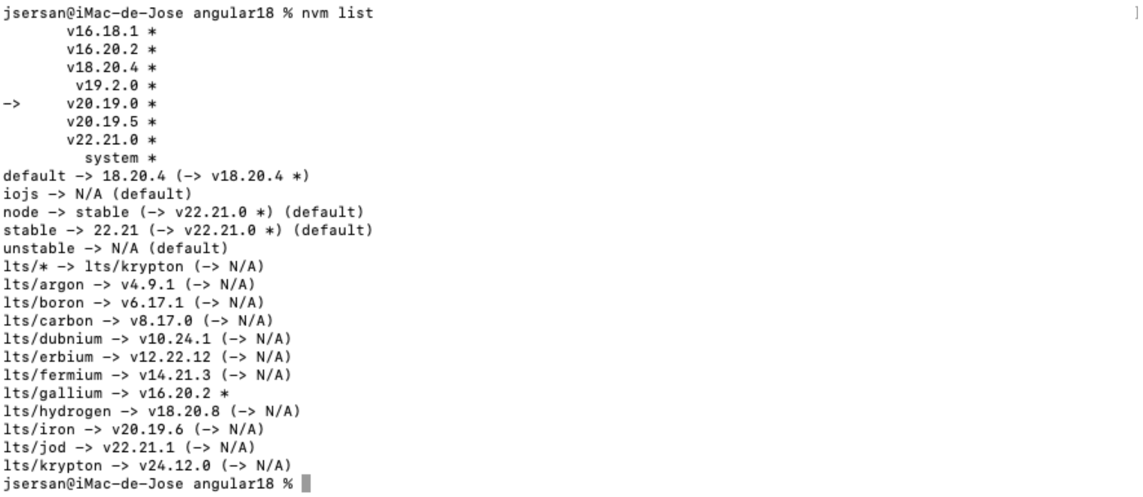
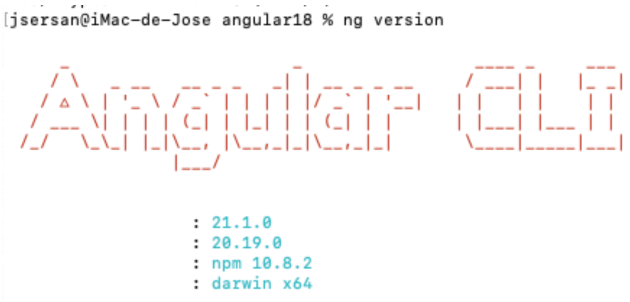
Proycto Angular Buscador de Letras de Canciones

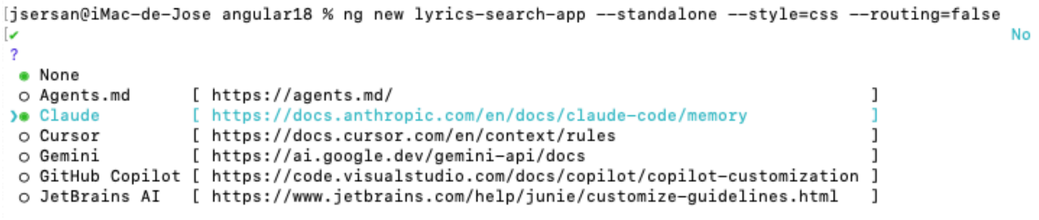
🚀 Paso 1: Crear el proyecto Angular 18



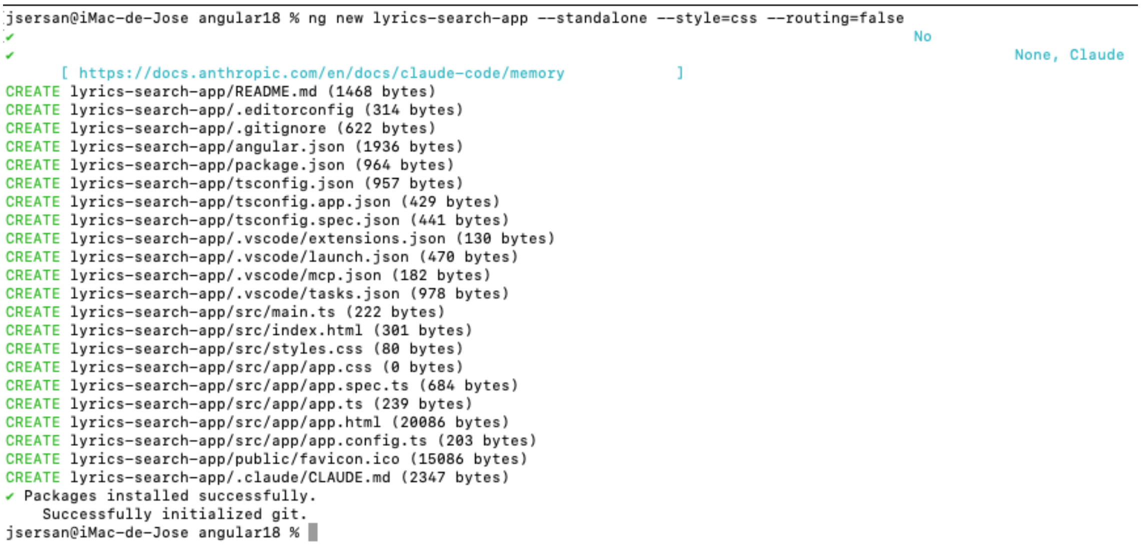
```
jsersan@iMac-de-Jose angular18 % nvm list
       v16.18.1 *
       v16.20.2 *
       v18.20.4 *
        v19.2.0 *
->     v20.19.0 *
       v20.19.5 *
       v22.21.0 *
         system *
default -> 18.20.4 (-> v18.20.4 *)
iojs -> N/A (default)
node -> stable (-> v22.21.0 *) (default)
stable -> 22.21 (-> v22.21.0 *) (default)
unstable -> N/A (default)
lts/* -> lts/krypton (-> N/A)
lts/argon -> v4.9.1 (-> N/A)
lts/boron -> v6.17.1 (-> N/A)
lts/carbon -> v8.17.0 (-> N/A)
lts/dubnium -> v10.24.1 (-> N/A)
lts/erbium -> v12.22.12 (-> N/A)
lts/fermium -> v14.21.3 (-> N/A)
lts/gallium -> v16.20.2 *
lts/hydrogen -> v18.20.8 (-> N/A)
lts/iron -> v20.19.6 (-> N/A)
lts/jod -> v22.21.1 (-> N/A)
lts/krypton -> v24.12.0 (-> N/A)
jsersan@iMac-de-Jose angular18 % ▋
```



```
[jsersan@iMac-de-Jose angular18 % ng version

     _                      _                 ____ _     ___
    / \   _ __   __ _ _   _| | __ _ _ __     / ___| |   |_ _|
   / △ \ | '_ \ / _` | | | | |/ _` | '__|   | |   | |    | |
  / ___ \| | | | (_| | |_| | | (_| | |      | |___| |___ | |
 /_/   \_\_| |_|\__, |\__,_|_|\__,_|_|       \____|_____|___|
                |___/


                    : 21.1.0
                    : 20.19.0
                    : npm 10.8.2
                    : darwin x64
```

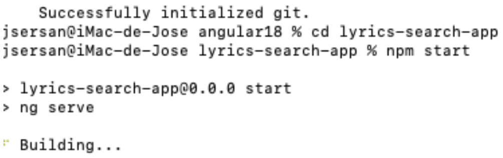


```
[jsersan@iMac-de-Jose angular18 % ng new lyrics-search-app --standalone --style=css --routing=false
[✔                                                                                           No
 ?
  ● None
  ○ Agents.md      [ https://agents.md/                                                  ]
 ❯● Claude         [ https://docs.anthropic.com/en/docs/claude-code/memory               ]
  ○ Cursor         [ https://docs.cursor.com/en/context/rules                            ]
  ○ Gemini         [ https://ai.google.dev/gemini-api/docs                               ]
  ○ GitHub Copilot [ https://code.visualstudio.com/docs/copilot/copilot-customization ]
  ○ JetBrains AI   [ https://www.jetbrains.com/help/junie/customize-guidelines.html     ]
```



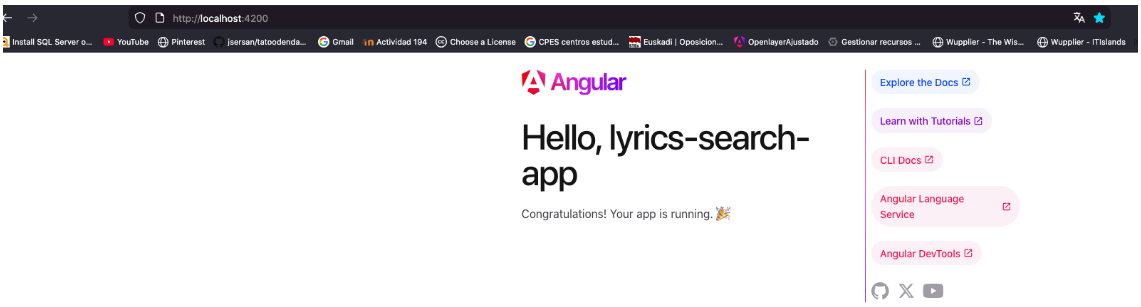
```
jsersan@iMac-de-Jose angular18 % ng new lyrics-search-app --standalone --style=css --routing=false
✔                                                                                         No
✔                                                                                                  None, Claude
      [ https://docs.anthropic.com/en/docs/claude-code/memory            ]
CREATE lyrics-search-app/README.md (1468 bytes)
CREATE lyrics-search-app/.editorconfig (314 bytes)
CREATE lyrics-search-app/.gitignore (622 bytes)
CREATE lyrics-search-app/angular.json (1936 bytes)
CREATE lyrics-search-app/package.json (964 bytes)
CREATE lyrics-search-app/tsconfig.json (957 bytes)
CREATE lyrics-search-app/tsconfig.app.json (429 bytes)
CREATE lyrics-search-app/tsconfig.spec.json (441 bytes)
CREATE lyrics-search-app/.vscode/extensions.json (130 bytes)
CREATE lyrics-search-app/.vscode/launch.json (470 bytes)
CREATE lyrics-search-app/.vscode/mcp.json (182 bytes)
CREATE lyrics-search-app/.vscode/tasks.json (978 bytes)
CREATE lyrics-search-app/src/main.ts (222 bytes)
CREATE lyrics-search-app/src/index.html (301 bytes)
CREATE lyrics-search-app/src/styles.css (80 bytes)
CREATE lyrics-search-app/src/app/app.css (0 bytes)
CREATE lyrics-search-app/src/app/app.spec.ts (684 bytes)
CREATE lyrics-search-app/src/app/app.ts (239 bytes)
CREATE lyrics-search-app/src/app/app.html (20086 bytes)
CREATE lyrics-search-app/src/app/app.config.ts (203 bytes)
CREATE lyrics-search-app/public/favicon.ico (15086 bytes)
CREATE lyrics-search-app/.claude/CLAUDE.md (2347 bytes)
✔ Packages installed successfully.
    Successfully initialized git.
jsersan@iMac-de-Jose angular18 % ▋
```

Lanzamos la app en angular:



```
   Successfully initialized git.
jsersan@iMac-de-Jose angular18 % cd lyrics-search-app
jsersan@iMac-de-Jose lyrics-search-app % npm start

> lyrics-search-app@0.0.0 start
> ng serve

  Building...
```

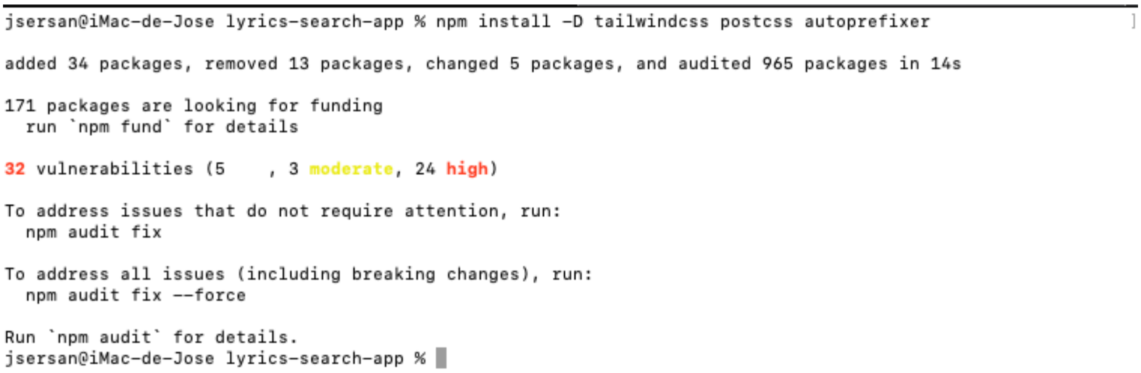
Tenemos:



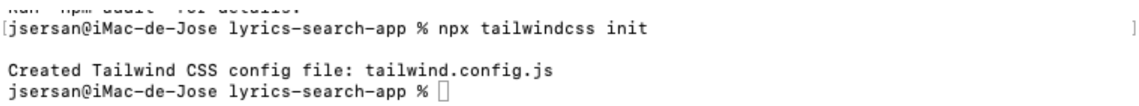
Hello, lyrics-search-app

Congratulations! Your app is running. 🎉

Paso 2: Instalar Tailwind CSS



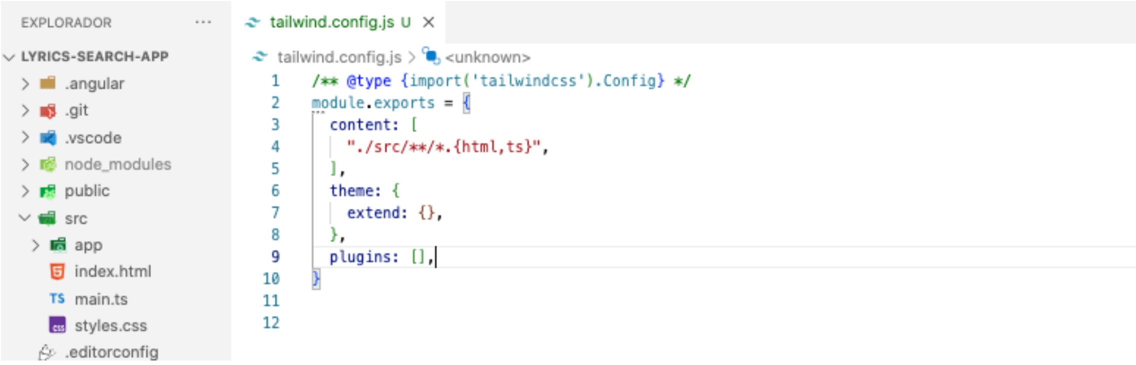
```
jsersan@iMac-de-Jose lyrics-search-app % npm install -D tailwindcss postcss autoprefixer

added 34 packages, removed 13 packages, changed 5 packages, and audited 965 packages in 14s

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

32 vulnerabilities (5     , 3 moderate, 24 high)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
jsersan@iMac-de-Jose lyrics-search-app % █
```



```
Run `npm audit` for details.
jsersan@iMac-de-Jose lyrics-search-app % npx tailwindcss init

Created Tailwind CSS config file: tailwind.config.js
jsersan@iMac-de-Jose lyrics-search-app % ▯
```

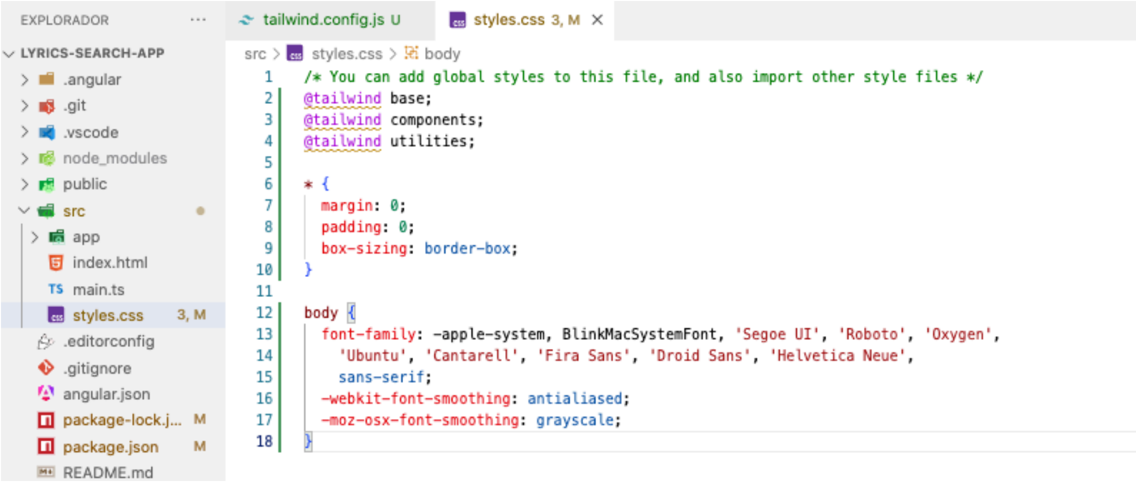
⚙️ Paso 3: Configurar Tailwind

tailwind.config.js



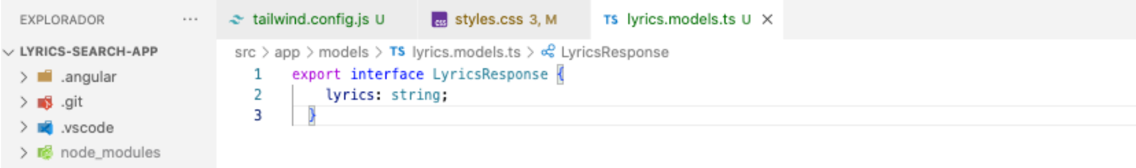
```js
/** @type {import('tailwindcss').Config} */
module.exports = {
  content: [
    "./src/**/*.{html,ts}",
  ],
  theme: {
    extend: {},
  },
  plugins: [],
}
```

src/styles.css

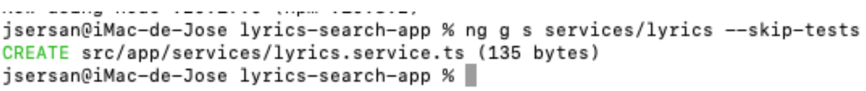


```css
/* You can add global styles to this file, and also import other style files */
@tailwind base;
@tailwind components;
@tailwind utilities;

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
    'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
    sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}
```

Paso 4: Crear la estructura de archivos

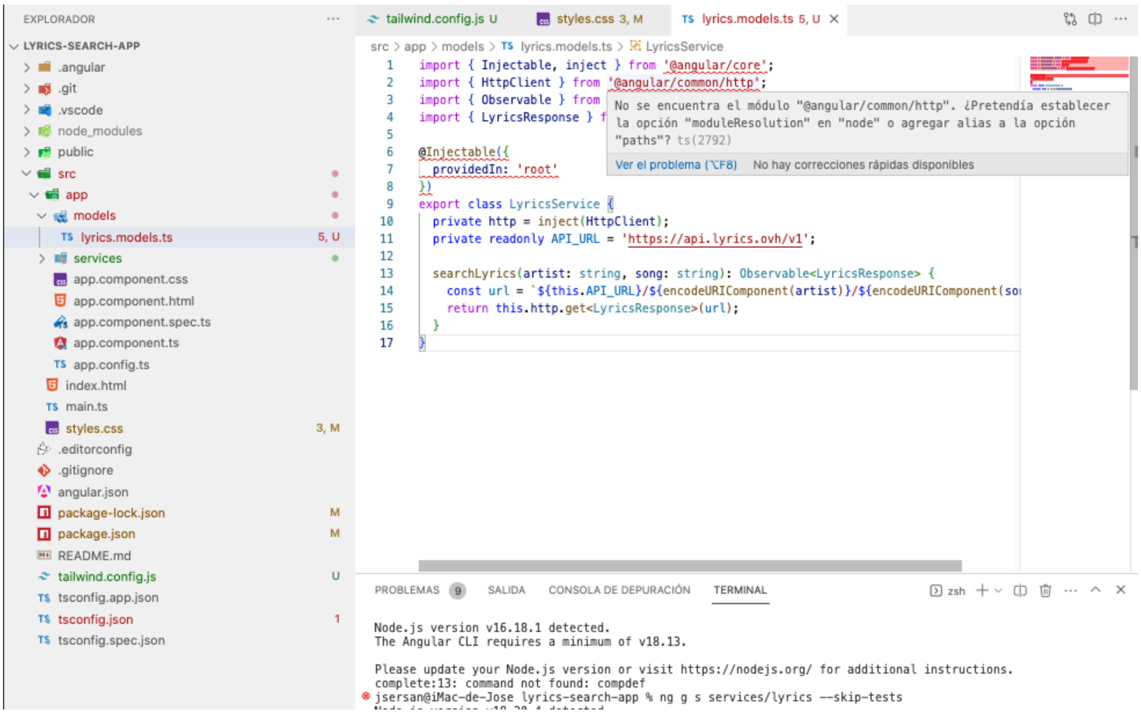


```ts
export interface LyricsResponse {
    lyrics: string;
}
```



```
jsersan@iMac-de-Jose lyrics-search-app % ng g s services/lyrics --skip-tests
CREATE src/app/services/lyrics.service.ts (135 bytes)
jsersan@iMac-de-Jose lyrics-search-app % 
```

Tenemos esto ahora:



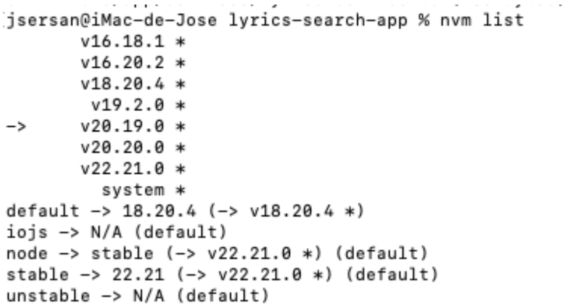
```
import { Injectable, inject } from '@angular/core';
import { HttpClient } from '@angular/common/http';
import { Observable } from
import { LyricsResponse } f

@Injectable({
  providedIn: 'root'
})
export class LyricsService {
  private http = inject(HttpClient);
  private readonly API_URL = 'https://api.lyrics.ovh/v1';

  searchLyrics(artist: string, song: string): Observable<LyricsResponse> {
    const url = `${this.API_URL}/${encodeURIComponent(artist)}/${encodeURIComponent(so
    return this.http.get<LyricsResponse>(url);
  }
}
```

No se encuentra el módulo "@angular/common/http". ¿Pretendía establecer la opción "moduleResolution" en "node" o agregar alias a la opción "paths"? ts(2792)

Ver el problema (⌥F8) No hay correcciones rápidas disponibles

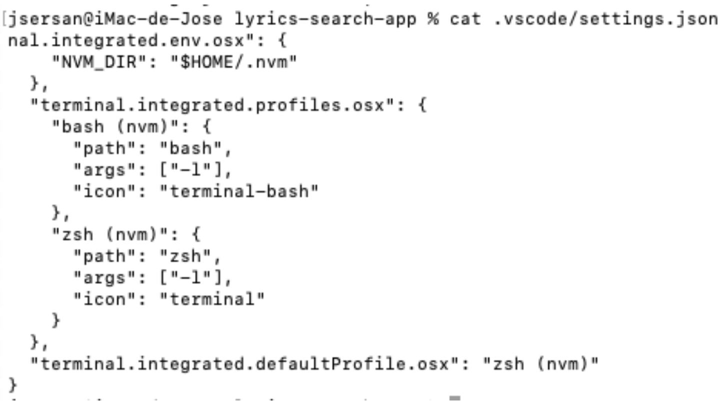
```
Node.js version v16.18.1 detected.
The Angular CLI requires a minimum of v18.13.

Please update your Node.js version or visit https://nodejs.org/ for additional instructions.
complete:13: command not found: compdef
jsersan@iMac-de-Jose lyrics-search-app % ng g s services/lyrics --skip-tests
```

Cerramos vscode y comprobamos que tenemos activa la versión 20.19.0:



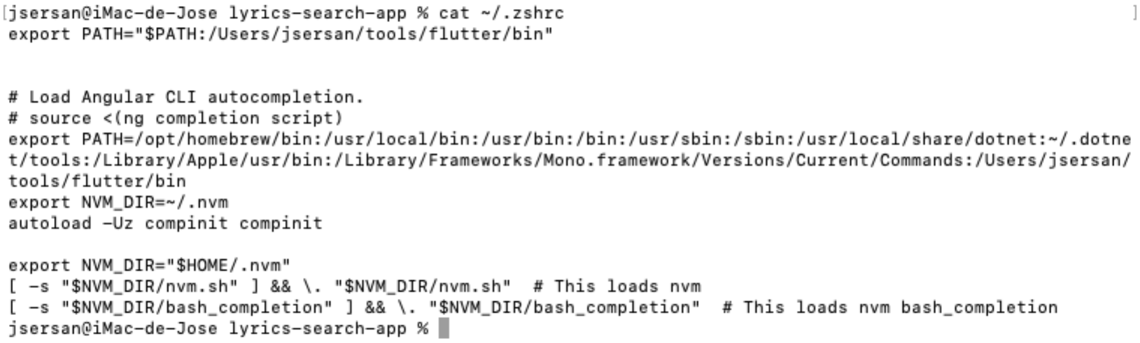
```
jsersan@iMac-de-Jose lyrics-search-app % nvm list
       v16.18.1 *
       v16.20.2 *
       v18.20.4 *
        v19.2.0 *
->     v20.19.0 *
       v20.20.0 *
       v22.21.0 *
         system *
default -> 18.20.4 (-> v18.20.4 *)
iojs -> N/A (default)
node -> stable (-> v22.21.0 *) (default)
stable -> 22.21 (-> v22.21.0 *) (default)
unstable -> N/A (default)
```

Creamos .vscode/settings.json



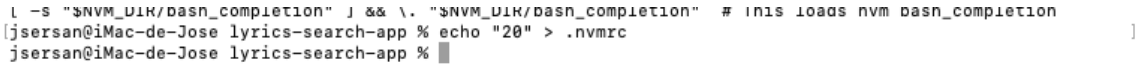
```
jsersan@iMac-de-Jose lyrics-search-app % cat .vscode/settings.json
nal.integrated.env.osx": {
    "NVM_DIR": "$HOME/.nvm"
  },
  "terminal.integrated.profiles.osx": {
    "bash (nvm)": {
      "path": "bash",
      "args": ["-l"],
      "icon": "terminal-bash"
    },
    "zsh (nvm)": {
      "path": "zsh",
      "args": ["-l"],
      "icon": "terminal"
    }
  },
  "terminal.integrated.defaultProfile.osx": "zsh (nvm)"
}
```

Comprobamos el contenido de .zshrc:

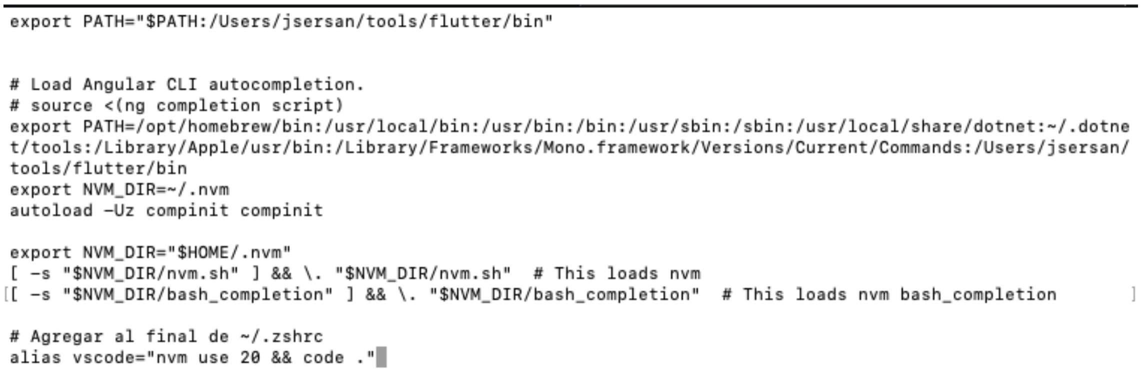


```
[jsersan@iMac-de-Jose lyrics-search-app % cat ~/.zshrc                                                    ]
export PATH="$PATH:/Users/jsersan/tools/flutter/bin"


# Load Angular CLI autocompletion.
# source <(ng completion script)
export PATH=/opt/homebrew/bin:/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/share/dotnet:~/.dotne
t/tools:/Library/Apple/usr/bin:/Library/Frameworks/Mono.framework/Versions/Current/Commands:/Users/jsersan/
tools/flutter/bin
export NVM_DIR=~/.nvm
autoload -Uz compinit compinit

export NVM_DIR="$HOME/.nvm"
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh"  # This loads nvm
[ -s "$NVM_DIR/bash_completion" ] && \. "$NVM_DIR/bash_completion"  # This loads nvm bash_completion
jsersan@iMac-de-Jose lyrics-search-app % 
```

Creamos archivo .nvmrc en tu proyecto:

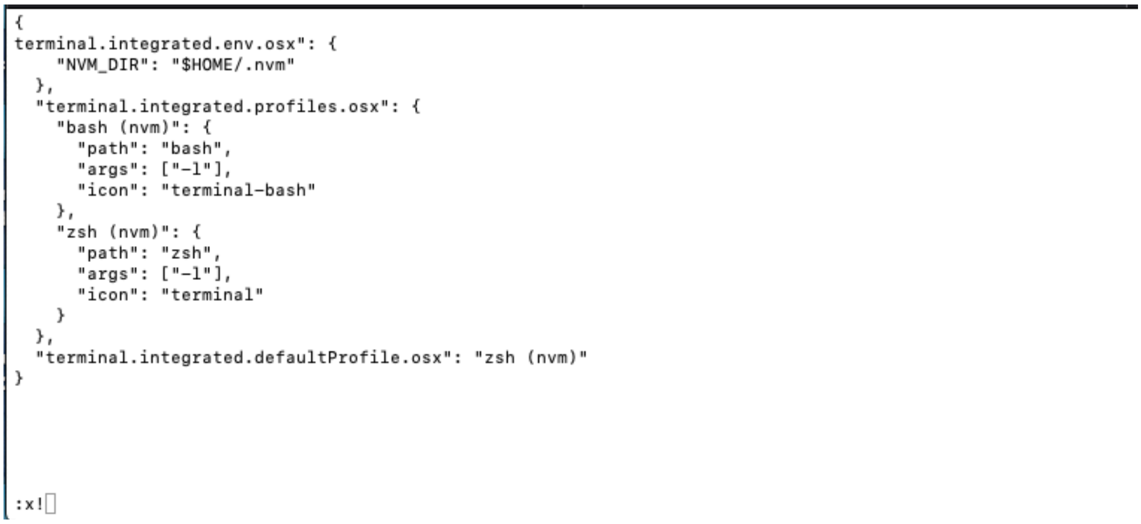


```
[ -s "$NVM_DIR/bash_completion" ] && \. "$NVM_DIR/bash_completion"  # This loads nvm bash_completion
[jsersan@iMac-de-Jose lyrics-search-app % echo "20" > .nvmrc                                              ]
jsersan@iMac-de-Jose lyrics-search-app % 
```



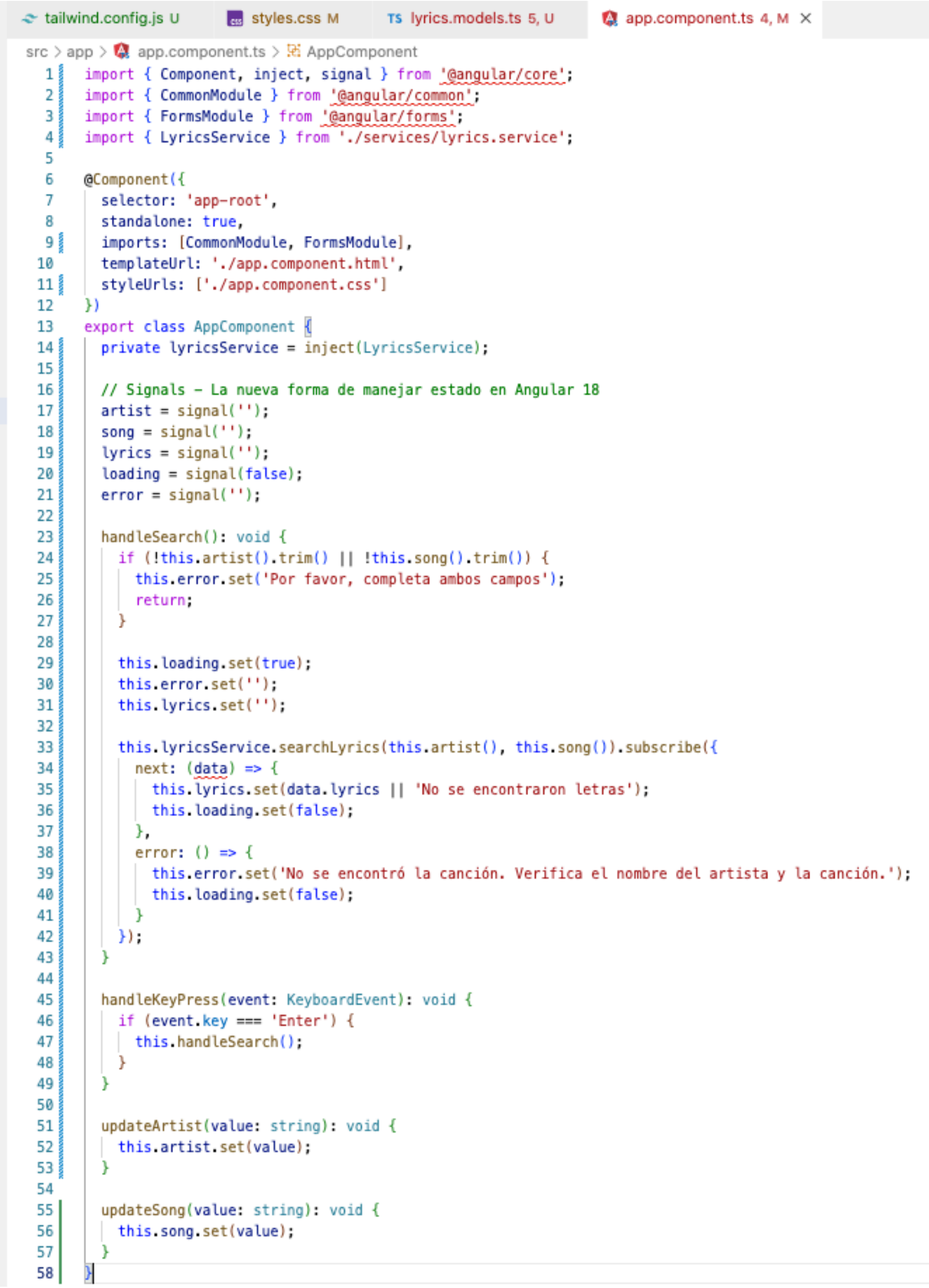
```
export PATH="$PATH:/Users/jsersan/tools/flutter/bin"


# Load Angular CLI autocompletion.
# source <(ng completion script)
export PATH=/opt/homebrew/bin:/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/share/dotnet:~/.dotne
t/tools:/Library/Apple/usr/bin:/Library/Frameworks/Mono.framework/Versions/Current/Commands:/Users/jsersan/
tools/flutter/bin
export NVM_DIR=~/.nvm
autoload -Uz compinit compinit

export NVM_DIR="$HOME/.nvm"
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh"  # This loads nvm
[[ -s "$NVM_DIR/bash_completion" ] && \. "$NVM_DIR/bash_completion"  # This loads nvm bash_completion       ]

# Agregar al final de ~/.zshrc
alias vscode="nvm use 20 && code ."
```

En .vscode/settings.json:



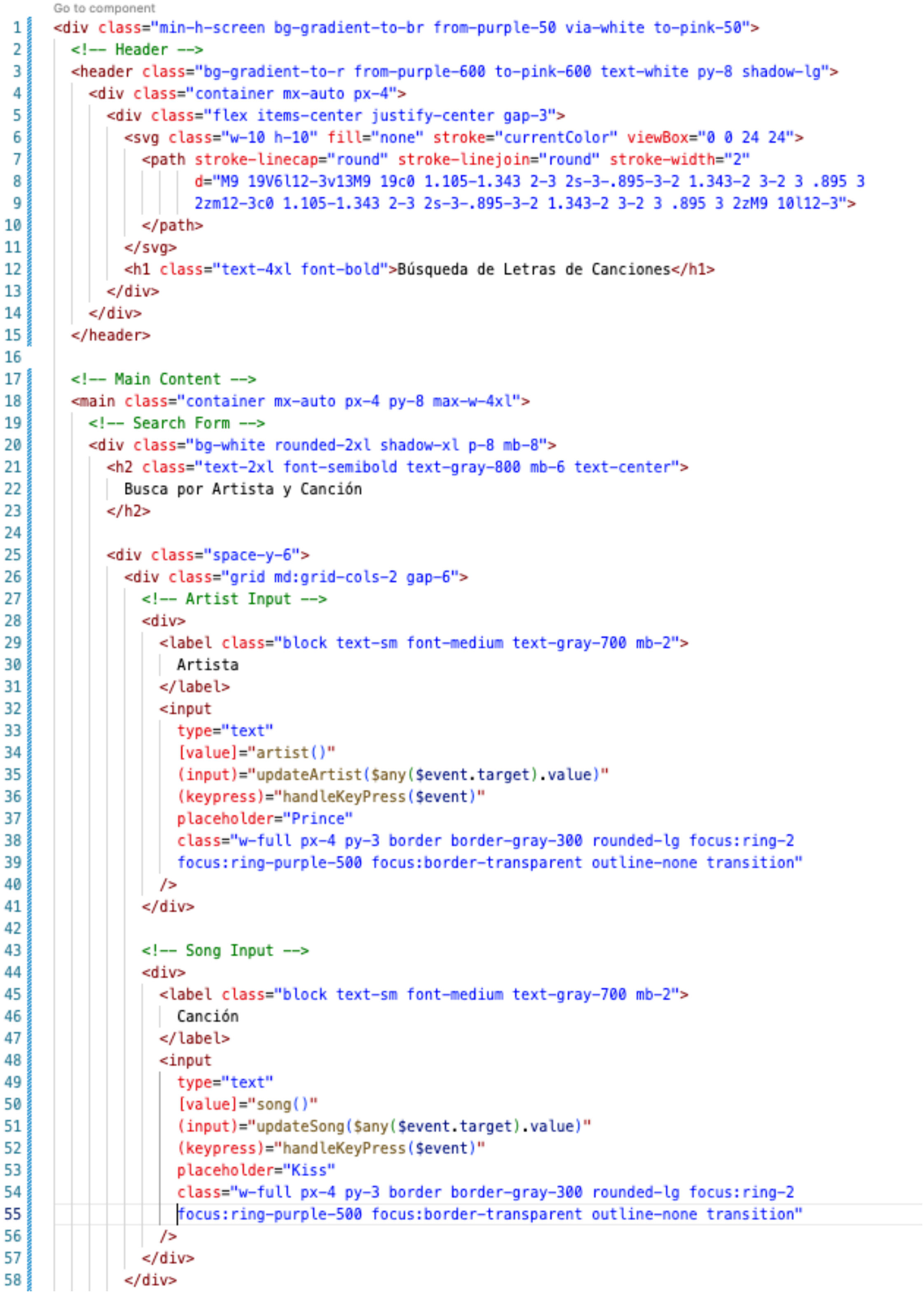
```
{
terminal.integrated.env.osx": {
    "NVM_DIR": "$HOME/.nvm"
  },
  "terminal.integrated.profiles.osx": {
    "bash (nvm)": {
      "path": "bash",
      "args": ["-l"],
      "icon": "terminal-bash"
    },
    "zsh (nvm)": {
      "path": "zsh",
      "args": ["-l"],
      "icon": "terminal"
    }
  },
  "terminal.integrated.defaultProfile.osx": "zsh (nvm)"
}




:x!
```

Modificamos app.component.ts:



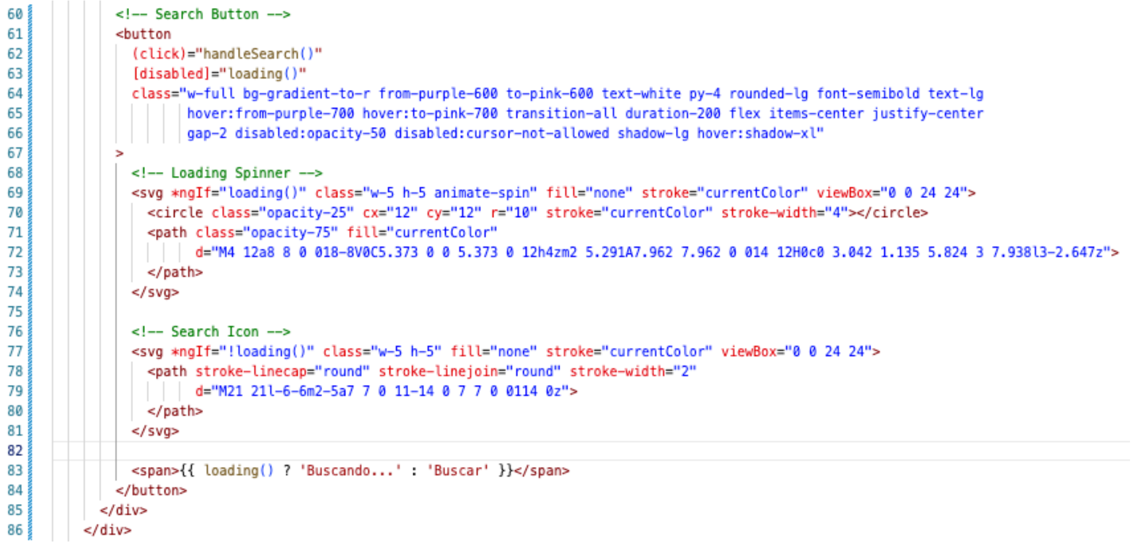
```typescript
import { Component, inject, signal } from '@angular/core';
import { CommonModule } from '@angular/common';
import { FormsModule } from '@angular/forms';
import { LyricsService } from './services/lyrics.service';

@Component({
  selector: 'app-root',
  standalone: true,
  imports: [CommonModule, FormsModule],
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  private lyricsService = inject(LyricsService);

  // Signals - La nueva forma de manejar estado en Angular 18
  artist = signal('');
  song = signal('');
  lyrics = signal('');
  loading = signal(false);
  error = signal('');

  handleSearch(): void {
    if (!this.artist().trim() || !this.song().trim()) {
      this.error.set('Por favor, completa ambos campos');
      return;
    }

    this.loading.set(true);
    this.error.set('');
    this.lyrics.set('');

    this.lyricsService.searchLyrics(this.artist(), this.song()).subscribe({
      next: (data) => {
        this.lyrics.set(data.lyrics || 'No se encontraron letras');
        this.loading.set(false);
      },
      error: () => {
        this.error.set('No se encontró la canción. Verifica el nombre del artista y la canción.');
        this.loading.set(false);
      }
    });
  }

  handleKeyPress(event: KeyboardEvent): void {
    if (event.key === 'Enter') {
      this.handleSearch();
    }
  }

  updateArtist(value: string): void {
    this.artist.set(value);
  }

  updateSong(value: string): void {
    this.song.set(value);
  }
}
```

app.component.html (pega el contenido adjunto):



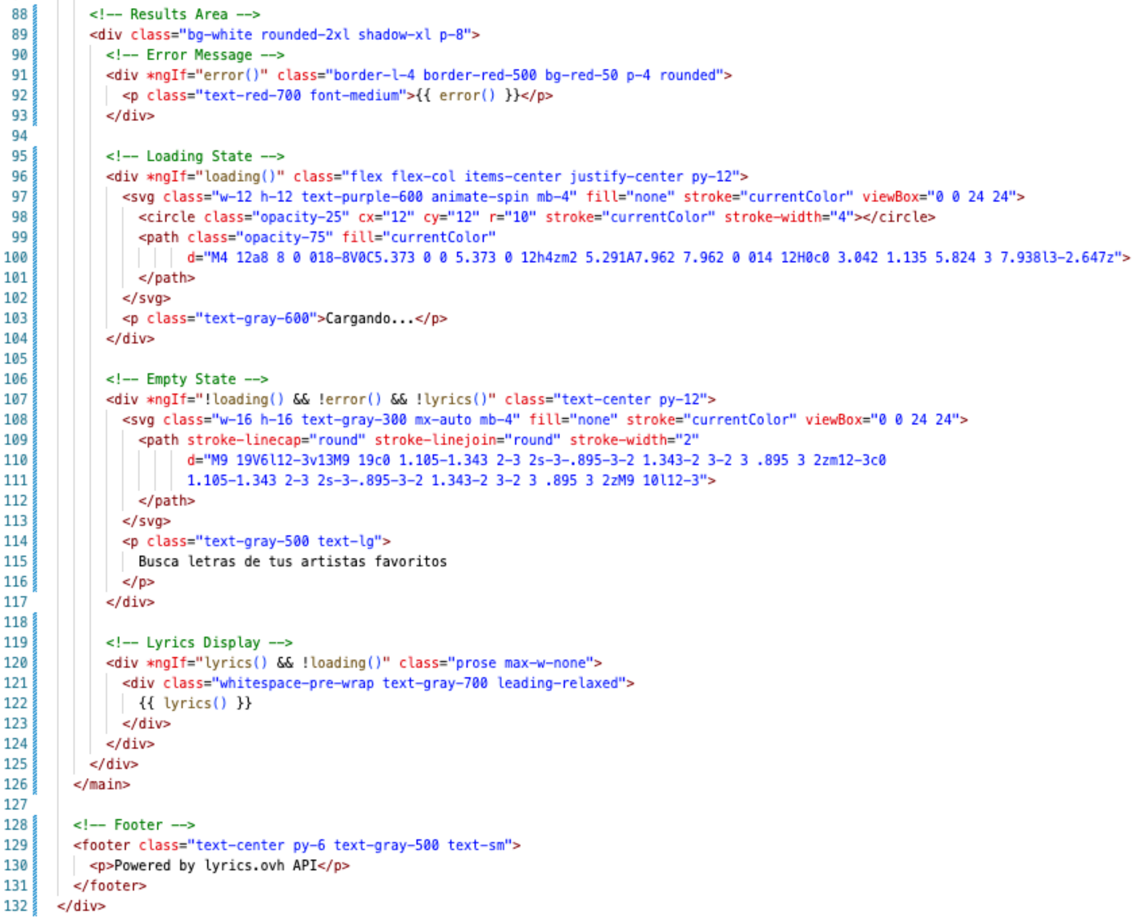
```html
<div class="min-h-screen bg-gradient-to-br from-purple-50 via-white to-pink-50">
  <!-- Header -->
  <header class="bg-gradient-to-r from-purple-600 to-pink-600 text-white py-8 shadow-lg">
    <div class="container mx-auto px-4">
      <div class="flex items-center justify-center gap-3">
        <svg class="w-10 h-10" fill="none" stroke="currentColor" viewBox="0 0 24 24">
          <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2"
                d="M9 19V6l12-3v13M9 19c0 1.105-1.343 2-3 2s-3-.895-3-2 1.343-2 3-2 3 .895 3
                2zm12-3c0 1.105-1.343 2-3 2s-3-.895-3-2 1.343-2 3-2 3 .895 3 2zM9 10l12-3">
          </path>
        </svg>
        <h1 class="text-4xl font-bold">Búsqueda de Letras de Canciones</h1>
      </div>
    </div>
  </header>

  <!-- Main Content -->
  <main class="container mx-auto px-4 py-8 max-w-4xl">
    <!-- Search Form -->
    <div class="bg-white rounded-2xl shadow-xl p-8 mb-8">
      <h2 class="text-2xl font-semibold text-gray-800 mb-6 text-center">
        Busca por Artista y Canción
      </h2>

      <div class="space-y-6">
        <div class="grid md:grid-cols-2 gap-6">
          <!-- Artist Input -->
          <div>
            <label class="block text-sm font-medium text-gray-700 mb-2">
              Artista
            </label>
            <input
              type="text"
              [value]="artist()"
              (input)="updateArtist($any($event.target).value)"
              (keypress)="handleKeyPress($event)"
              placeholder="Prince"
              class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:ring-2
              focus:ring-purple-500 focus:border-transparent outline-none transition"
            />
          </div>

          <!-- Song Input -->
          <div>
            <label class="block text-sm font-medium text-gray-700 mb-2">
              Canción
            </label>
            <input
              type="text"
              [value]="song()"
              (input)="updateSong($any($event.target).value)"
              (keypress)="handleKeyPress($event)"
              placeholder="Kiss"
              class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:ring-2
              focus:ring-purple-500 focus:border-transparent outline-none transition"
            />
          </div>
        </div>
```

Resto de las líneas:



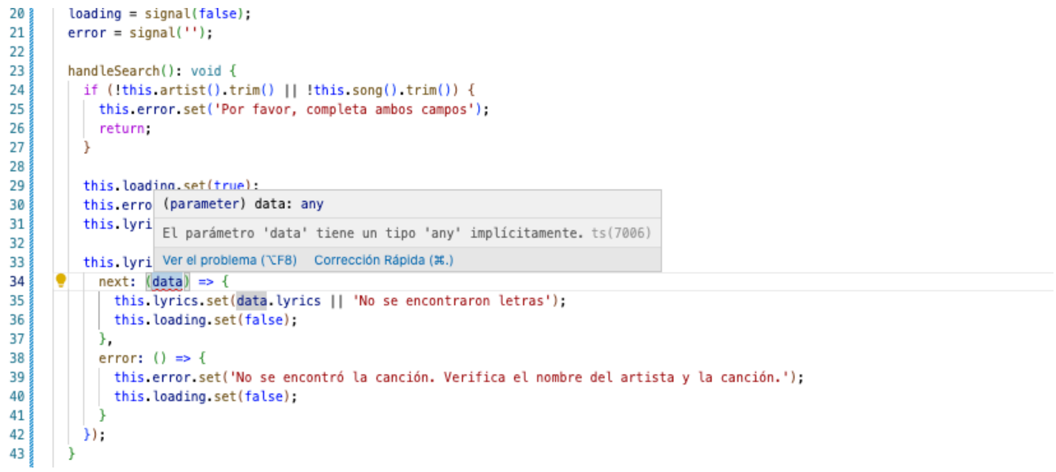
```
    <!-- Search Button -->
    <button
      (click)="handleSearch()"
      [disabled]="loading()"
      class="w-full bg-gradient-to-r from-purple-600 to-pink-600 text-white py-4 rounded-lg font-semibold text-lg
             hover:from-purple-700 hover:to-pink-700 transition-all duration-200 flex items-center justify-center
             gap-2 disabled:opacity-50 disabled:cursor-not-allowed shadow-lg hover:shadow-xl"
    >
      <!-- Loading Spinner -->
      <svg *ngIf="loading()" class="w-5 h-5 animate-spin" fill="none" stroke="currentColor" viewBox="0 0 24 24">
        <circle class="opacity-25" cx="12" cy="12" r="10" stroke="currentColor" stroke-width="4"></circle>
        <path class="opacity-75" fill="currentColor"
              d="M4 12a8 8 0 018-8V0C5.373 0 0 5.373 0 12h4zm2 5.291A7.962 7.962 0 014 12H0c0 3.042 1.135 5.824 3 7.938l3-2.647z">
        </path>
      </svg>

      <!-- Search Icon -->
      <svg *ngIf="!loading()" class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24">
        <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2"
              d="M21 21l-6-6m2-5a7 7 0 11-14 0 7 7 0 0114 0z">
        </path>
      </svg>

      <span>{{ loading() ? 'Buscando...' : 'Buscar' }}</span>
    </button>
  </div>
</div>
```

Terminamos con el template:



```
    <!-- Results Area -->
    <div class="bg-white rounded-2xl shadow-xl p-8">
      <!-- Error Message -->
      <div *ngIf="error()" class="border-l-4 border-red-500 bg-red-50 p-4 rounded">
        <p class="text-red-700 font-medium">{{ error() }}</p>
      </div>

      <!-- Loading State -->
      <div *ngIf="loading()" class="flex flex-col items-center justify-center py-12">
        <svg class="w-12 h-12 text-purple-600 animate-spin mb-4" fill="none" stroke="currentColor" viewBox="0 0 24 24">
          <circle class="opacity-25" cx="12" cy="12" r="10" stroke="currentColor" stroke-width="4"></circle>
          <path class="opacity-75" fill="currentColor"
                   d="M4 12a8 8 0 018-8V0C5.373 0 0 5.373 0 12h4zm2 5.291A7.962 7.962 0 014 12H0c0 3.042 1.135 5.824 3 7.938l3-2.647z">
          </path>
        </svg>
        <p class="text-gray-600">Cargando...</p>
      </div>

      <!-- Empty State -->
      <div *ngIf="!loading() && !error() && !lyrics()" class="text-center py-12">
        <svg class="w-16 h-16 text-gray-300 mx-auto mb-4" fill="none" stroke="currentColor" viewBox="0 0 24 24">
          <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2"
                d="M9 19V6l12-3v13M9 19c0 1.105-1.343 2-3 2s-3-.895-3-2 1.343-2 3-2 3 .895 3 2zm12-3c0
                1.105-1.343 2-3 2s-3-.895-3-2 1.343-2 3-2 3 .895 3 2zM9 10l12-3">
          </path>
        </svg>
        <p class="text-gray-500 text-lg">
          Busca letras de tus artistas favoritos
        </p>
      </div>

      <!-- Lyrics Display -->
      <div *ngIf="lyrics() && !loading()" class="prose max-w-none">
        <div class="whitespace-pre-wrap text-gray-700 leading-relaxed">
          {{ lyrics() }}
        </div>
      </div>
    </div>
  </main>

  <!-- Footer -->
  <footer class="text-center py-6 text-gray-500 text-sm">
    <p>Powered by lyrics.ovh API</p>
  </footer>
</div>
```

Tenemos en el componente este error:

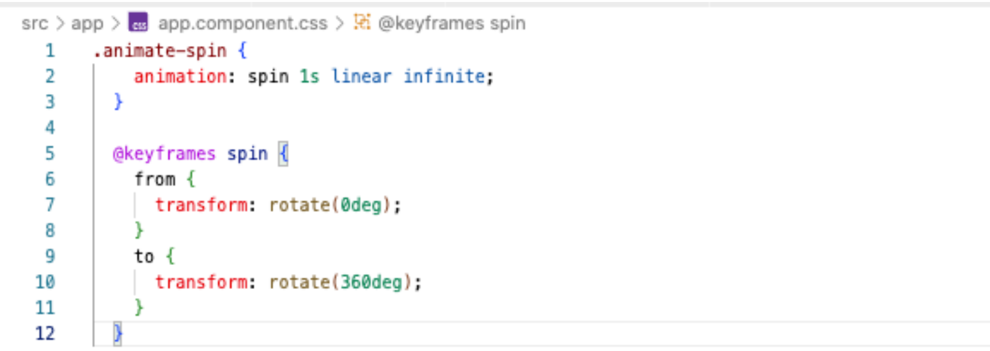


```
  loading = signal(false);
  error = signal('');

  handleSearch(): void {
    if (!this.artist().trim() || !this.song().trim()) {
      this.error.set('Por favor, completa ambos campos');
      return;
    }

    this.loading.set(true);
    this.erro
    this.lyri

    this.lyri
      next: (data) => {
        this.lyrics.set(data.lyrics || 'No se encontraron letras');
        this.loading.set(false);
      },
      error: () => {
        this.error.set('No se encontró la canción. Verifica el nombre del artista y la canción.');
        this.loading.set(false);
      }
    });
  }
```

(parameter) data: any

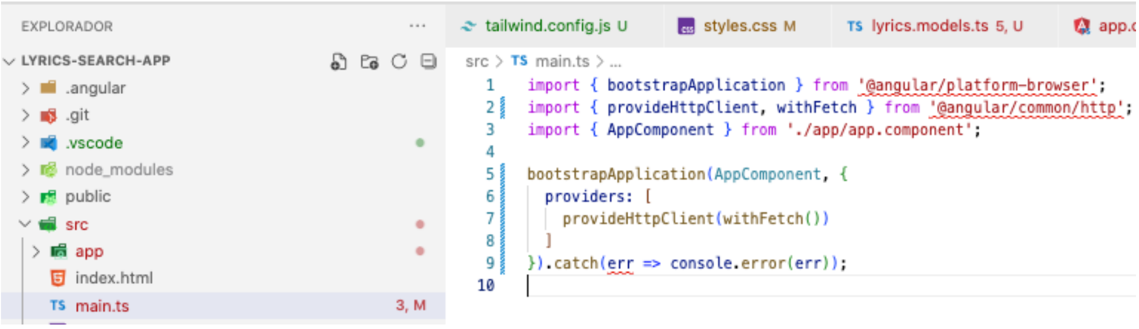
El parámetro 'data' tiene un tipo 'any' implícitamente. ts(7006)

El archivo de hojas estilo:



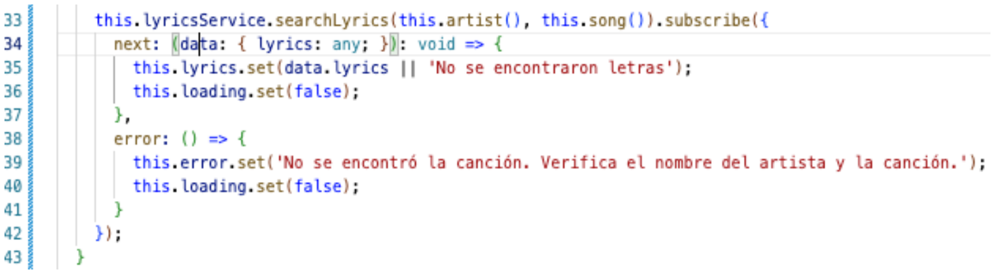
```css
.animate-spin {
  animation: spin 1s linear infinite;
}

@keyframes spin {
  from {
    transform: rotate(0deg);
  }
  to {
    transform: rotate(360deg);
  }
}
```

Modificamos src>main.ts:



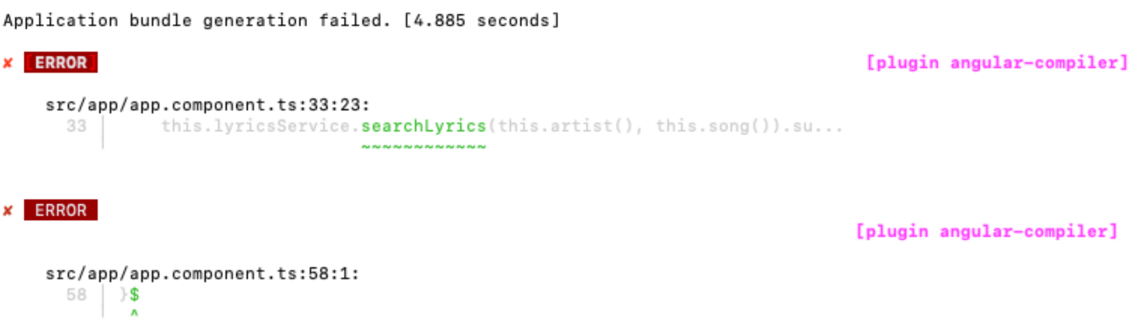
```ts
import { bootstrapApplication } from '@angular/platform-browser';
import { provideHttpClient, withFetch } from '@angular/common/http';
import { AppComponent } from './app/app.component';

bootstrapApplication(AppComponent, {
  providers: [
    provideHttpClient(withFetch())
  ]
}).catch(err => console.error(err));
```

Para quitar el error del tipo de data:

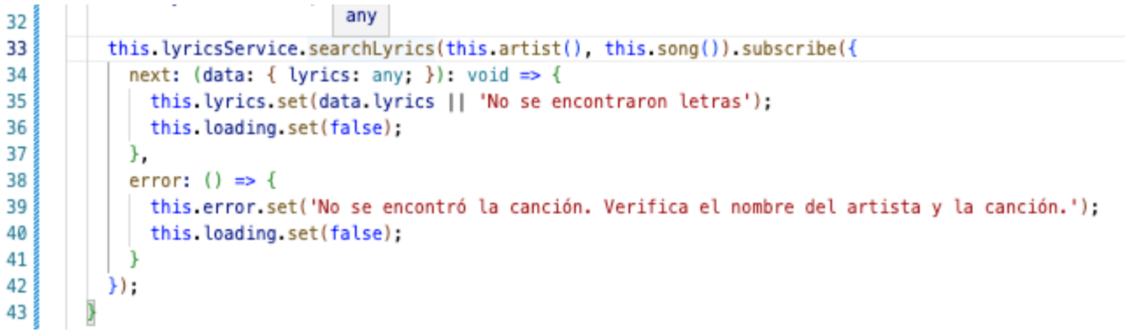


```
    this.lyricsService.searchLyrics(this.artist(), this.song()).subscribe({
      next: (data: { lyrics: any; }): void => {
        this.lyrics.set(data.lyrics || 'No se encontraron letras');
        this.loading.set(false);
      },
      error: () => {
        this.error.set('No se encontró la canción. Verifica el nombre del artista y la canción.');
        this.loading.set(false);
      }
    });
  }
```

Tenemos este otro error:

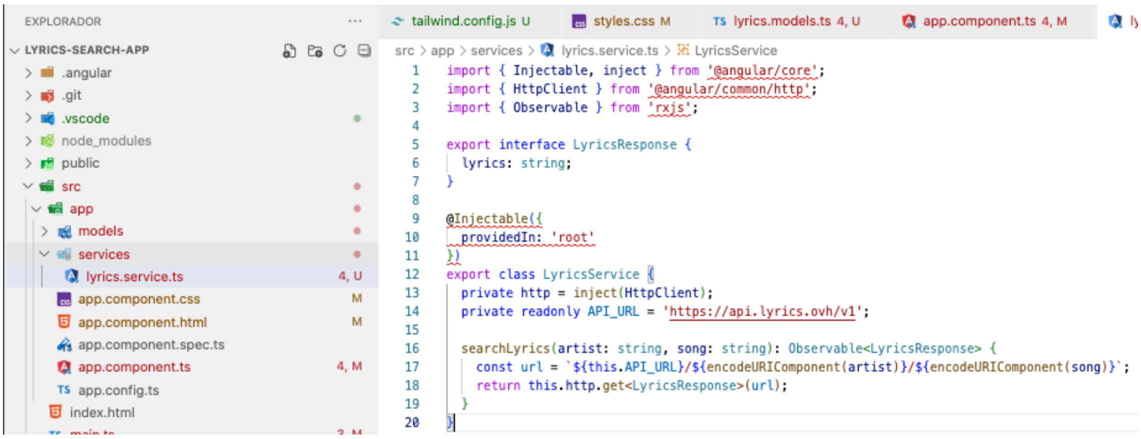


```
Application bundle generation failed. [4.885 seconds]

✘ ERROR                                             [plugin angular-compiler]

    src/app/app.component.ts:33:23:
      33 │     this.lyricsService.searchLyrics(this.artist(), this.song()).su...
                                  ~~~~~~~~~~~~


✘ ERROR
                                                    [plugin angular-compiler]

    src/app/app.component.ts:58:1:
      58 │ }$
              ^
```



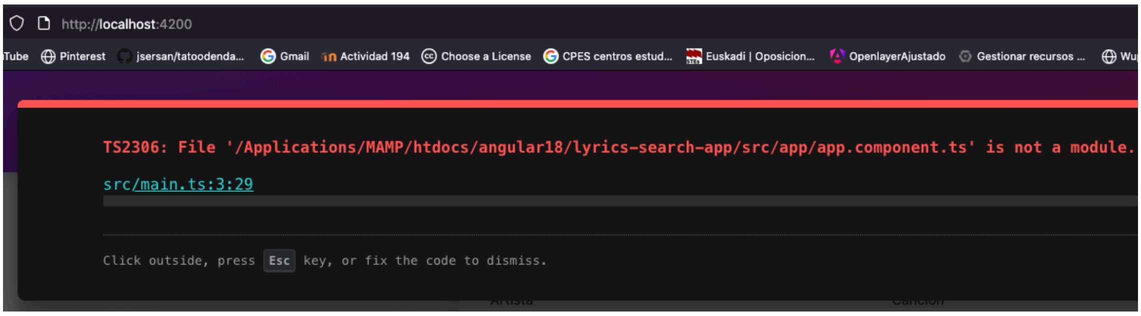
```
                              any
    this.lyricsService.searchLyrics(this.artist(), this.song()).subscribe({
      next: (data: { lyrics: any; }): void => {
        this.lyrics.set(data.lyrics || 'No se encontraron letras');
        this.loading.set(false);
      },
      error: () => {
        this.error.set('No se encontró la canción. Verifica el nombre del artista y la canción.');
        this.loading.set(false);
      }
    });
  }
```

Arreglamos lyric.sevice.ts:



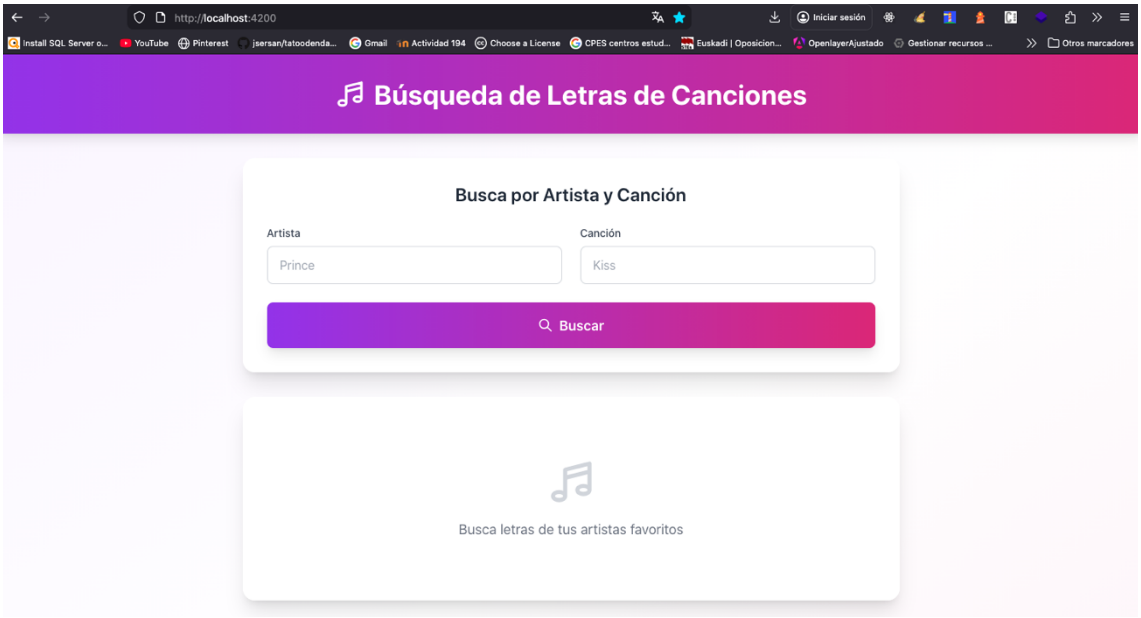
```
import { Injectable, inject } from '@angular/core';
import { HttpClient } from '@angular/common/http';
import { Observable } from 'rxjs';

export interface LyricsResponse {
  lyrics: string;
}

@Injectable({
  providedIn: 'root'
})
export class LyricsService {
  private http = inject(HttpClient);
  private readonly API_URL = 'https://api.lyrics.ovh/v1';

  searchLyrics(artist: string, song: string): Observable<LyricsResponse> {
    const url = `${this.API_URL}/${encodeURIComponent(artist)}/${encodeURIComponent(song)}`;
    return this.http.get<LyricsResponse>(url);
  }
}
```

En el navegador tenemos:

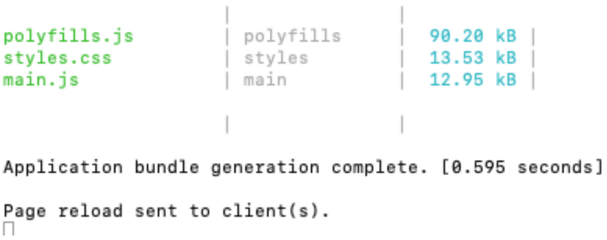


```
TS2306: File '/Applications/MAMP/htdocs/angular18/lyrics-search-app/src/app/app.component.ts' is not a module.
src/main.ts:3:29

Click outside, press Esc key, or fix the code to dismiss.
```

Hacemos click en ESC y recargamos:

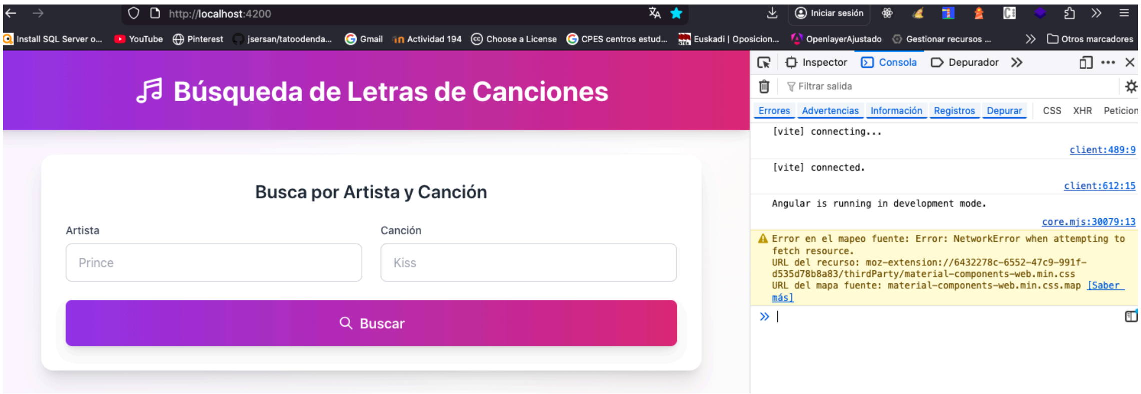

http://localhost:4200
Búsqueda de Letras de Canciones
Busca por Artista y Canción
Artista
Prince
Canción
Kiss
Buscar
Busca letras de tus artistas favoritos

Tenemos en la consola:



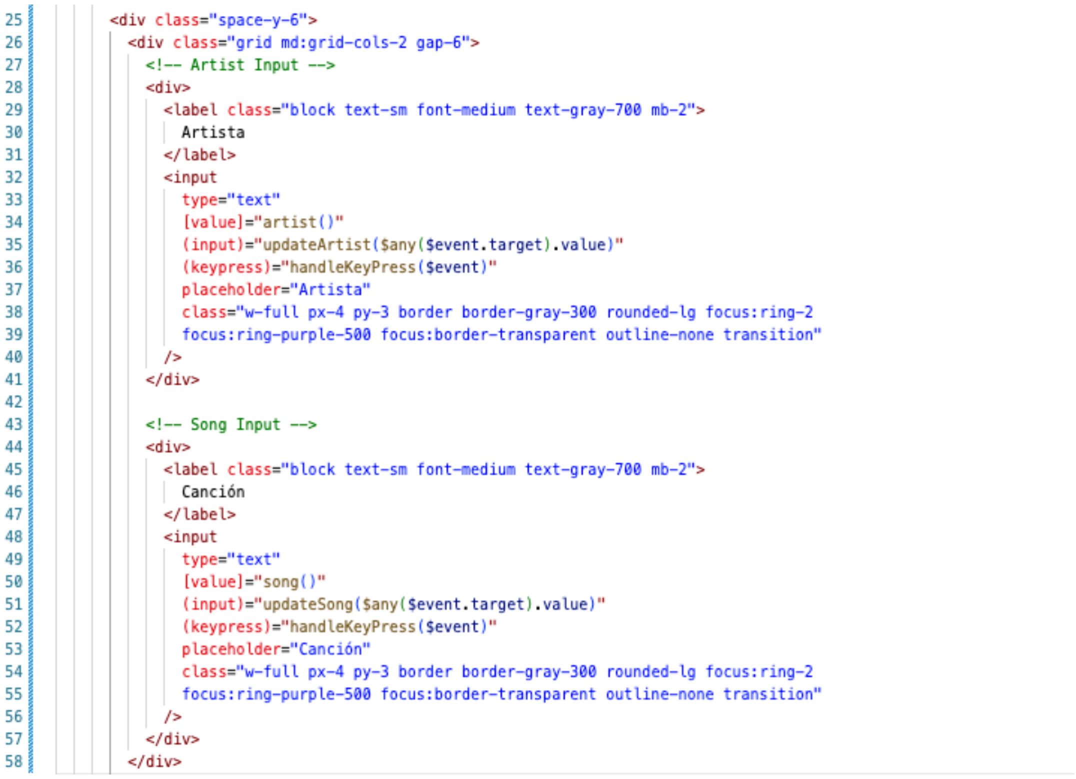
```
                        |                   |
polyfills.js            | polyfills         |   90.20 kB |
styles.css              | styles            |   13.53 kB |
main.js                 | main              |   12.95 kB |

                        |                   |

Application bundle generation complete. [0.595 seconds]

Page reload sent to client(s).
```

En la consola del navegador:



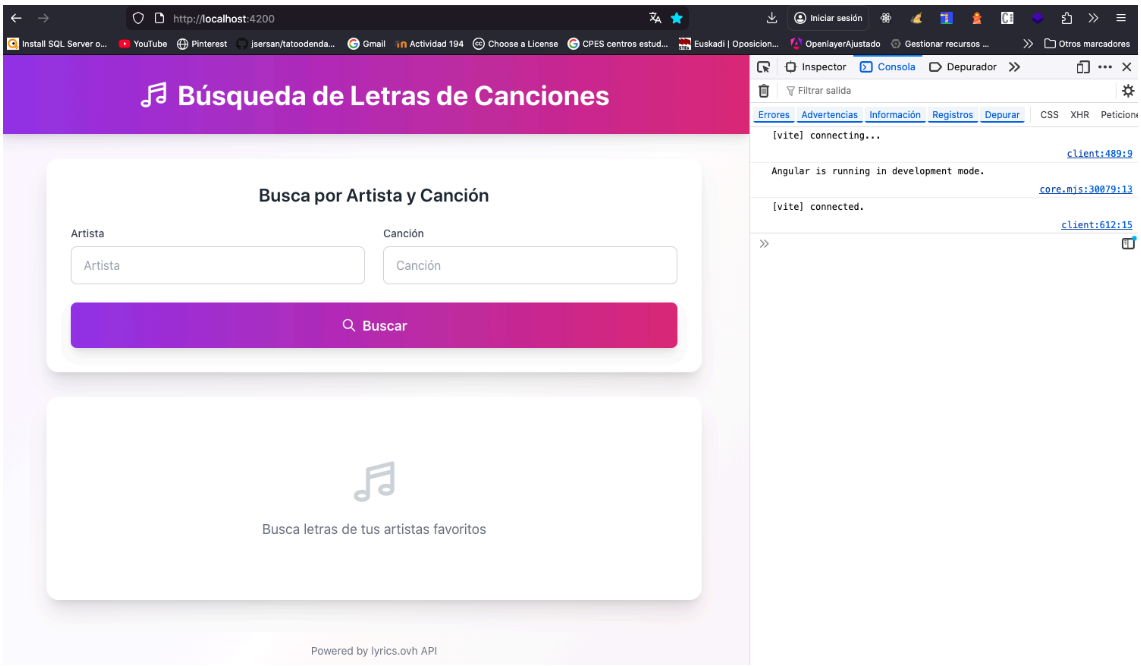
```
[vite] connecting...
                                                    client:489:9
[vite] connected.
                                                    client:612:15
Angular is running in development mode.
                                                    core.mjs:30079:13
⚠ Error en el mapeo fuente: Error: NetworkError when attempting to
  fetch resource.
  URL del recurso: moz-extension://6432278c-6552-47c9-991f-
  d535d78b8a83/thirdParty/material-components-web.min.css
  URL del mapa fuente: material-components-web.min.css.map [Saber
  más]
```

Cambiamos los placeHolder:



```html
<div class="space-y-6">
  <div class="grid md:grid-cols-2 gap-6">
    <!-- Artist Input -->
    <div>
      <label class="block text-sm font-medium text-gray-700 mb-2">
        Artista
      </label>
      <input
        type="text"
        [value]="artist()"
        (input)="updateArtist($any($event.target).value)"
        (keypress)="handleKeyPress($event)"
        placeholder="Artista"
        class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:ring-2
        focus:ring-purple-500 focus:border-transparent outline-none transition"
      />
    </div>

    <!-- Song Input -->
    <div>
      <label class="block text-sm font-medium text-gray-700 mb-2">
        Canción
      </label>
      <input
        type="text"
        [value]="song()"
        (input)="updateSong($any($event.target).value)"
        (keypress)="handleKeyPress($event)"
        placeholder="Canción"
        class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:ring-2
        focus:ring-purple-500 focus:border-transparent outline-none transition"
      />
    </div>
  </div>
```

Tenemos ahora:



Búsqueda de Letras de Canciones

Busca por Artista y Canción

Artista: Artista

Canción: Canción

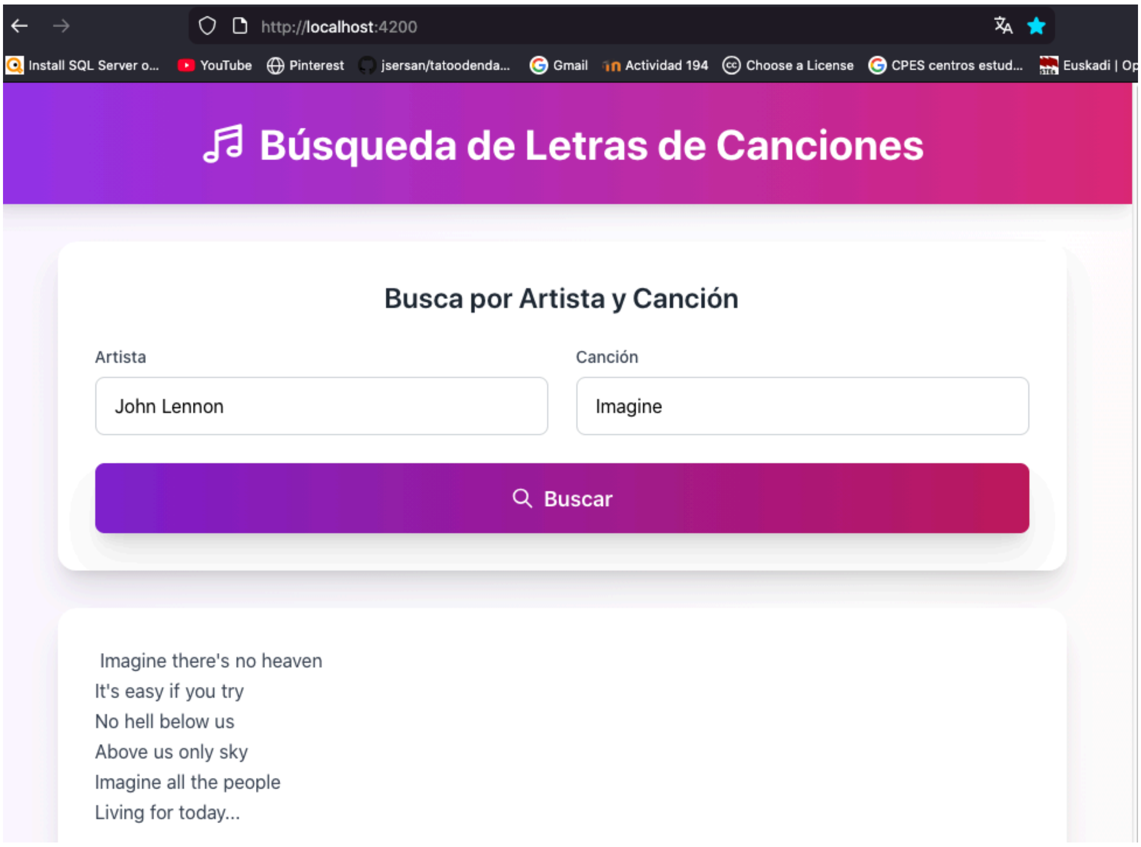
Buscar

Busca letras de tus artistas favoritos

Powered by lyrics.ovh API

```
[vite] connecting...                                    client:489:9
Angular is running in development mode.             core.mjs:30079:13
[vite] connected.                                      client:612:15
```

Probamos:



Búsqueda de Letras de Canciones

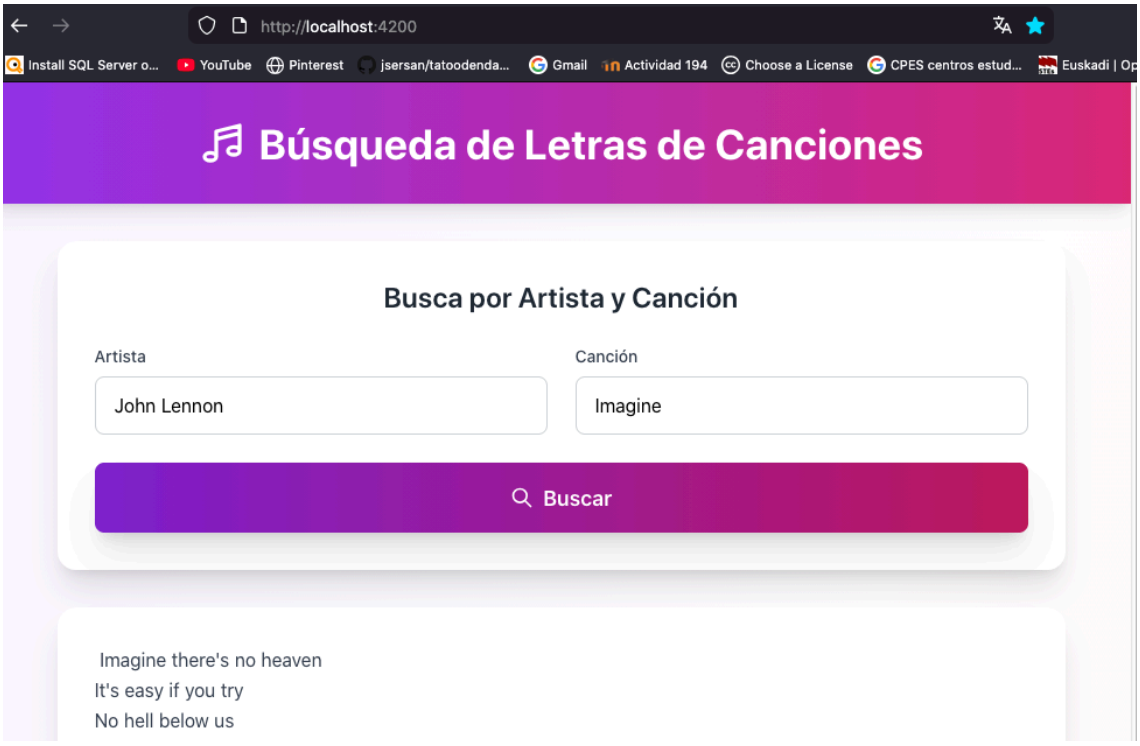
Busca por Artista y Canción

Artista: John Lennon

Canción: Imagine

Imagine there's no heaven
It's easy if you try
No hell below us
Above us only sky
Imagine all the people
Living for today...

Otro artista y canción:



Búsqueda de Letras de Canciones

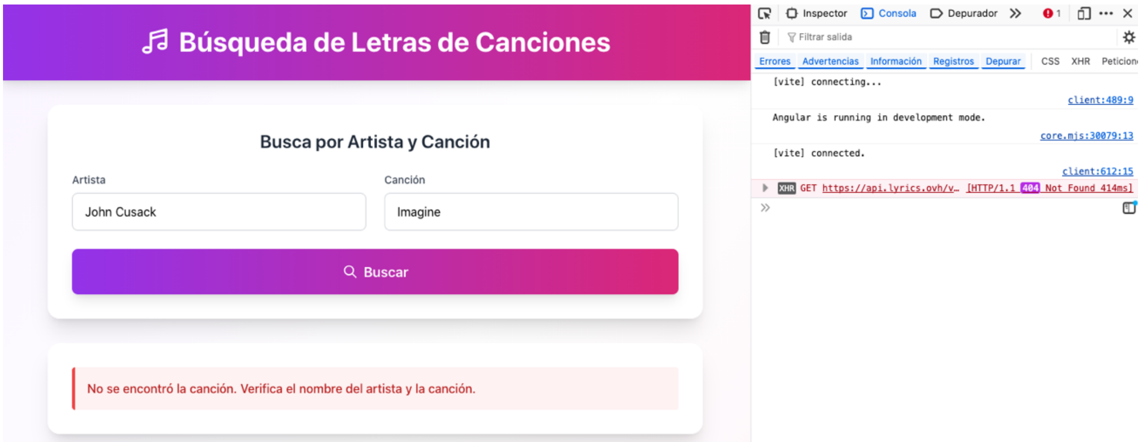
Busca por Artista y Canción

Artista: John Lennon

Canción: Imagine

Imagine there's no heaven
It's easy if you try
No hell below us

Probamos una canción que no exista:



Busca por Artista y Canción

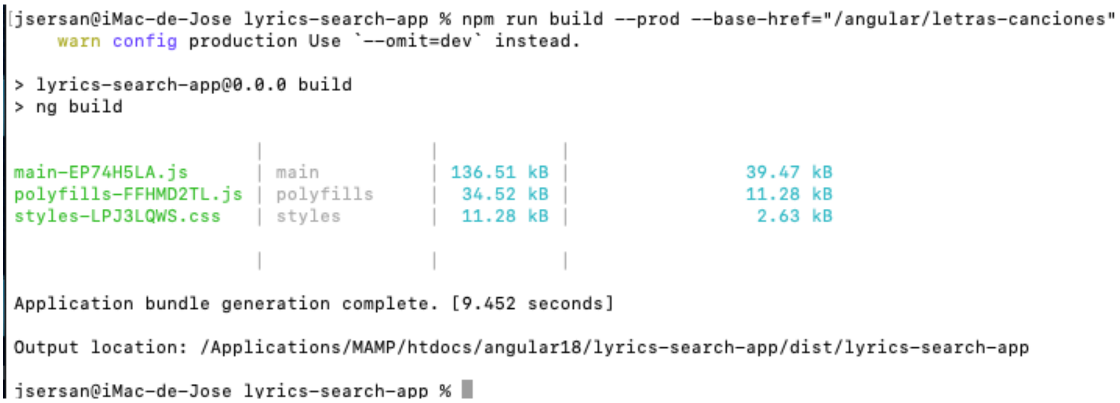
Artista: John Cusack

Canción: Imagine

No se encontró la canción. Verifica el nombre del artista y la canción.

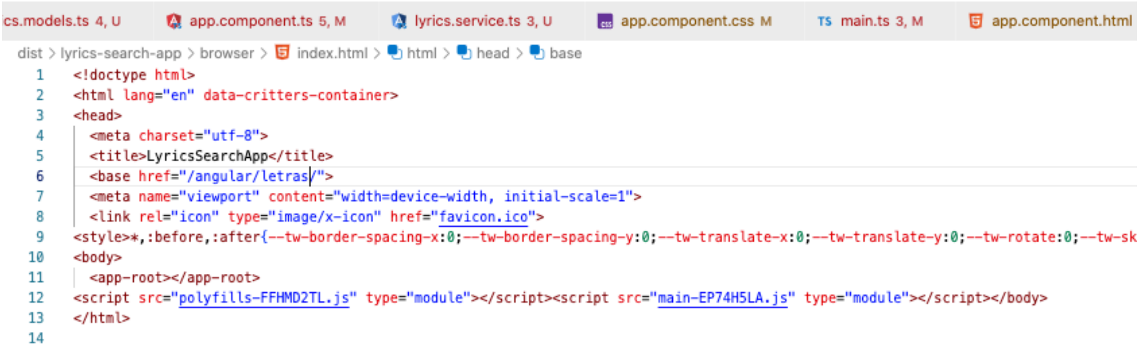
```
[vite] connecting...                                    client:489:9
Angular is running in development mode.                 core.mjs:30079:13
[vite] connected.                                       client:612:15
XHR GET https://api.lyrics.ovh/v… [HTTP/1.1 404 Not Found 414ms]
```

Lo desplegamos a un hosting:



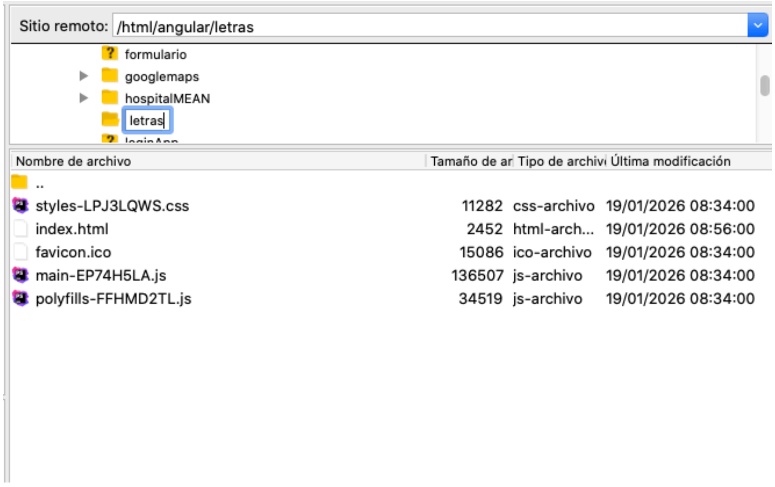
```
[jsersan@iMac-de-Jose lyrics-search-app % npm run build --prod --base-href="/angular/letras-canciones"
    warn config production Use `--omit=dev` instead.

> lyrics-search-app@0.0.0 build
> ng build

                         |                  |            |
main-EP74H5LA.js         | main             |  136.51 kB |               39.47 kB
polyfills-FFHMD2TL.js    | polyfills        |   34.52 kB |               11.28 kB
styles-LPJ3LQWS.css      | styles           |   11.28 kB |                2.63 kB

                         |                  |            |

Application bundle generation complete. [9.452 seconds]

Output location: /Applications/MAMP/htdocs/angular18/lyrics-search-app/dist/lyrics-search-app

jsersan@iMac-de-Jose lyrics-search-app %
```

Abrimos el navegador y modificamos la propiedad base href de index.html:



```html
<!doctype html>
<html lang="en" data-critters-container>
<head>
  <meta charset="utf-8">
  <title>LyricsSearchApp</title>
  <base href="/angular/letras/">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="icon" type="image/x-icon" href="favicon.ico">
<style>*,:before,:after{--tw-border-spacing-x:0;--tw-border-spacing-y:0;--tw-translate-x:0;--tw-translate-y:0;--tw-rotate:0;--tw-sk
<body>
  <app-root></app-root>
<script src="polyfills-FFHMD2TL.js" type="module"></script><script src="main-EP74H5LA.js" type="module"></script></body>
</html>
```

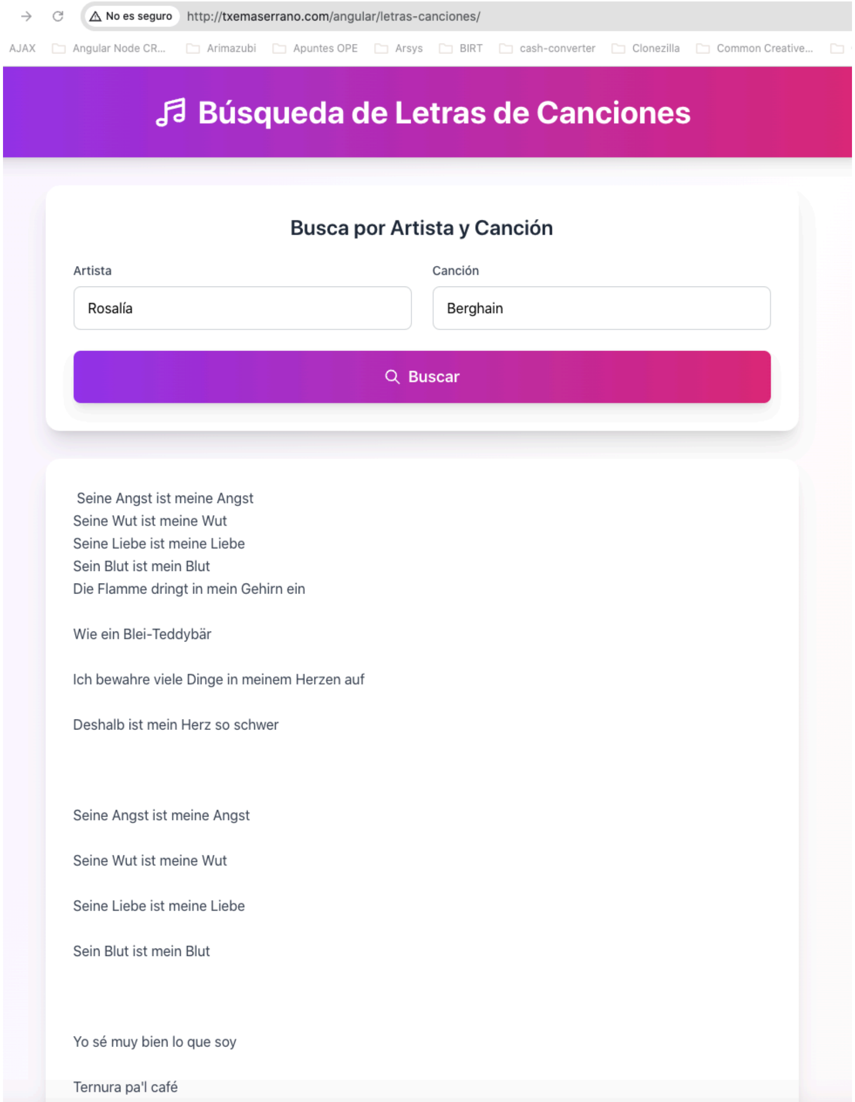
Copiamos esta la carpeta browser en filezilla:



Sitio remoto: /html/angular/letras

Nombre de archivo	Tamaño de ar	Tipo de archivi	Última modificación
..			
styles-LPJ3LQWS.css	11282	css-archivo	19/01/2026 08:34:00
index.html	2452	html-arch...	19/01/2026 08:56:00
favicon.ico	15086	ico-archivo	19/01/2026 08:34:00
main-EP74H5LA.js	136507	js-archivo	19/01/2026 08:34:00
polyfills-FFHMD2TL.js	34519	js-archivo	19/01/2026 08:34:00

Examinamos la url en el navegador. Probamos Rosalía > Berghain:



Búsqueda de Letras de Canciones

Busca por Artista y Canción

Artista: Rosalía

Canción: Berghain

Seine Angst ist meine Angst
Seine Wut ist meine Wut
Seine Liebe ist meine Liebe
Sein Blut ist mein Blut
Die Flamme dringt in mein Gehirn ein

Wie ein Blei-Teddybär

Ich bewahre viele Dinge in meinem Herzen auf

Deshalb ist mein Herz so schwer

Seine Angst ist meine Angst

Seine Wut ist meine Wut

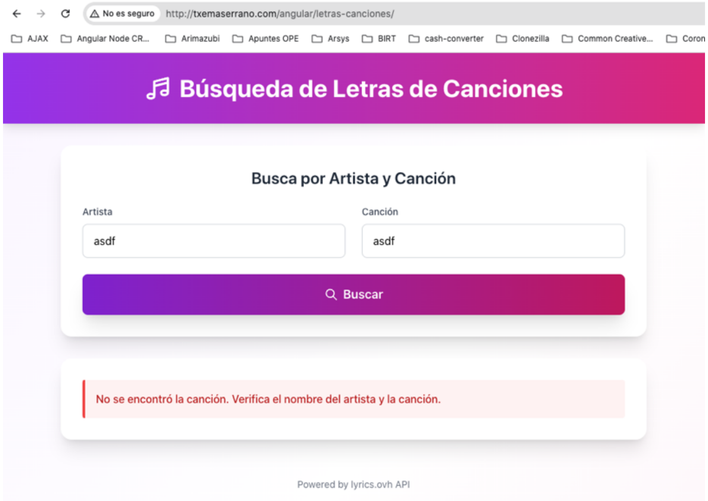
Seine Liebe ist meine Liebe

Sein Blut ist mein Blut

Yo sé muy bien lo que soy

Ternura pa'l café

Veamos un par artista-canción no existente:



Búsqueda de Letras de Canciones

Busca por Artista y Canción

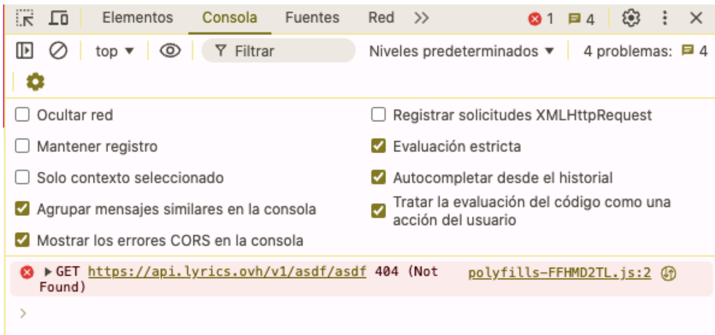
Artista: asdf

Canción: asdf

No se encontró la canción. Verifica el nombre del artista y la canción.

Powered by lyrics.ovh API

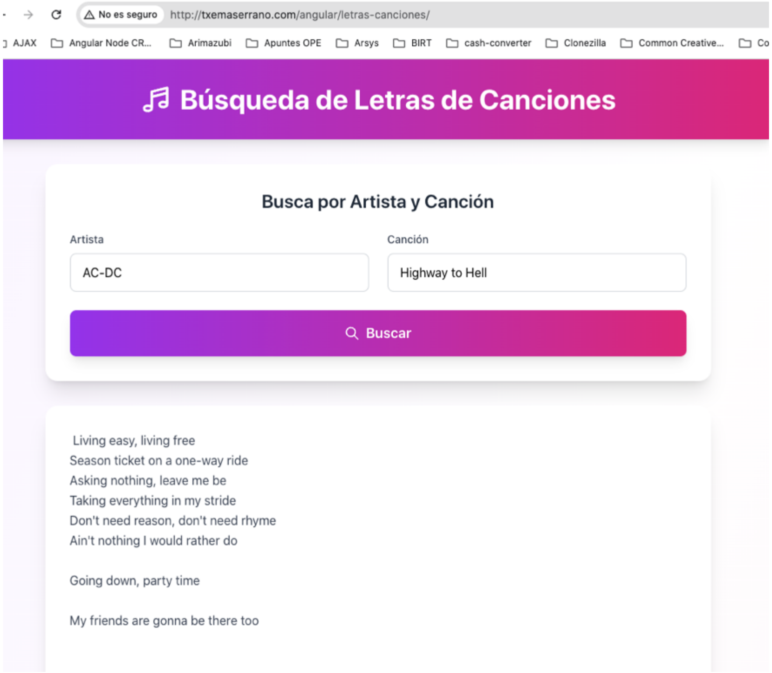
En la consola tenemos un error 404:



- ☐ Ocultar red
- ☐ Mantener registro
- ☐ Solo contexto seleccionado
- ☑ Agrupar mensajes similares en la consola
- ☑ Mostrar los errores CORS en la consola
- ☐ Registrar solicitudes XMLHttpRequest
- ☑ Evaluación estricta
- ☑ Autocompletar desde el historial
- ☑ Tratar la evaluación del código como una acción del usuario

```
▶GET https://api.lyrics.ovh/v1/asdf/asdf 404 (Not    polyfills-FFHMD2TL.js:2
Found)
```

Probamos otra canción:



Búsqueda de Letras de Canciones

Busca por Artista y Canción

Artista: AC-DC

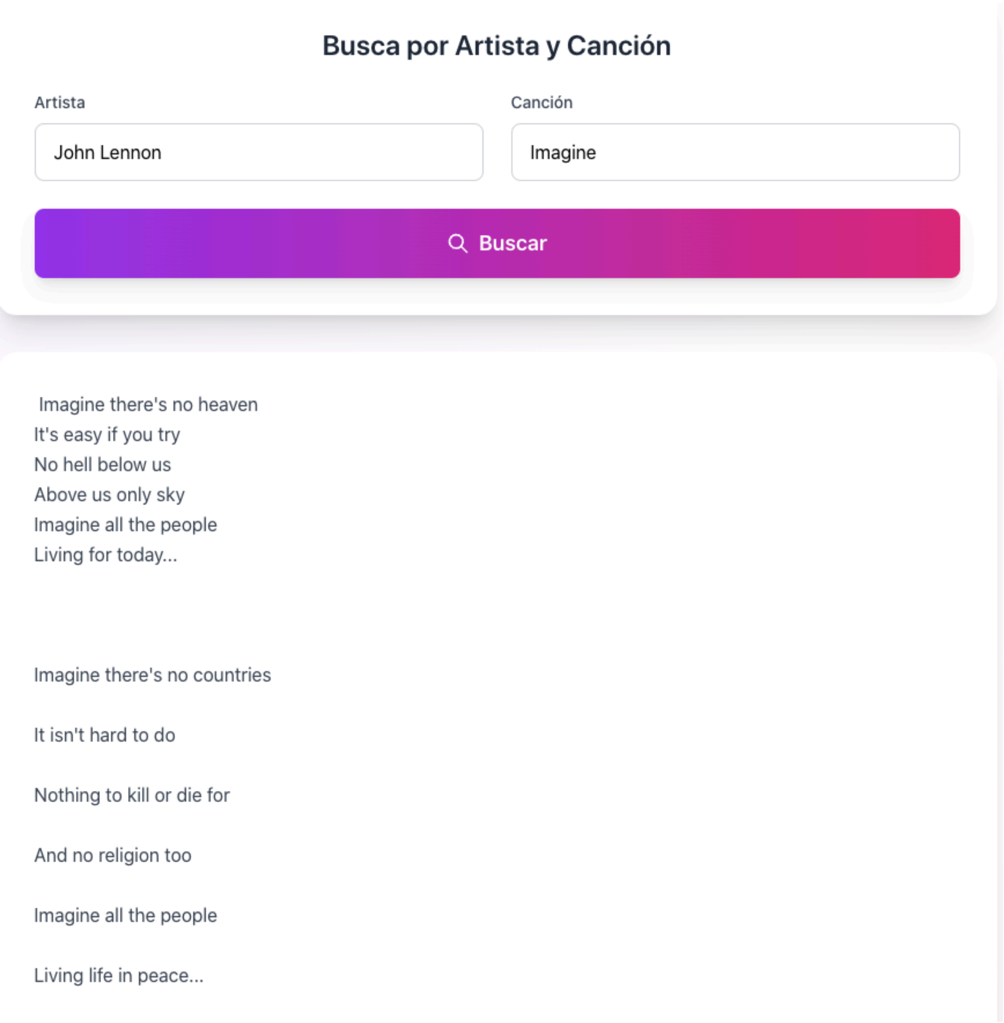
Canción: Highway to Hell

Living easy, living free
Season ticket on a one-way ride
Asking nothing, leave me be
Taking everything in my stride
Don't need reason, don't need rhyme
Ain't nothing I would rather do

Going down, party time

My friends are gonna be there too

Vemos que hay espacios en blanco en la respuesta:



Imagine there's no heaven
It's easy if you try
No hell below us
Above us only sky
Imagine all the people
Living for today...

Imagine there's no countries

It isn't hard to do

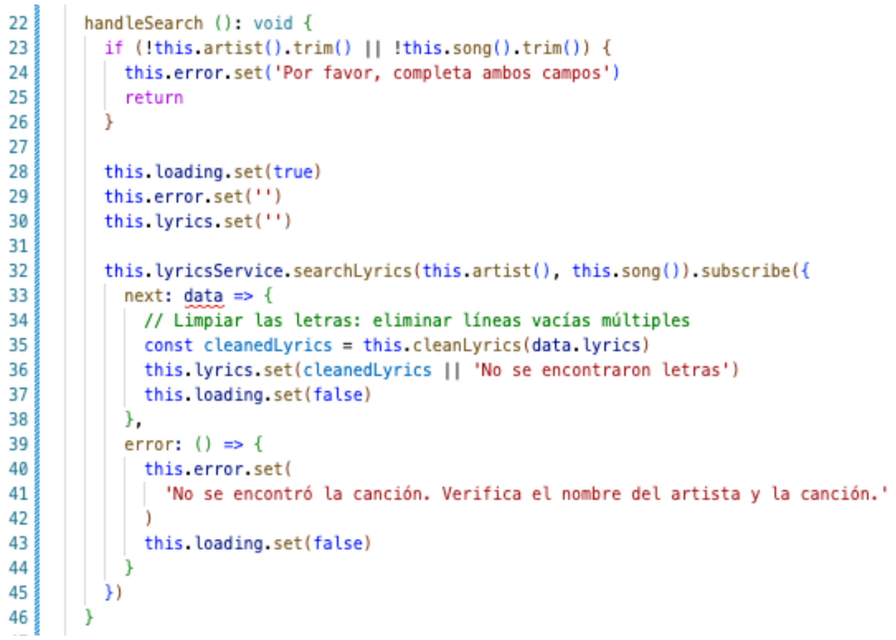
Nothing to kill or die for

And no religion too

Imagine all the people

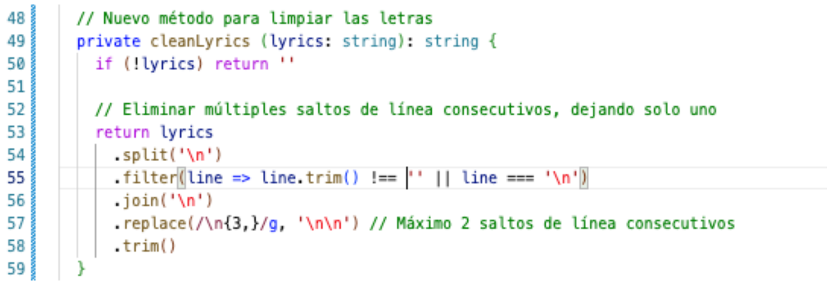
Living life in peace...

Modificamos el código para suprimirlas. Modificamos handleSearch():



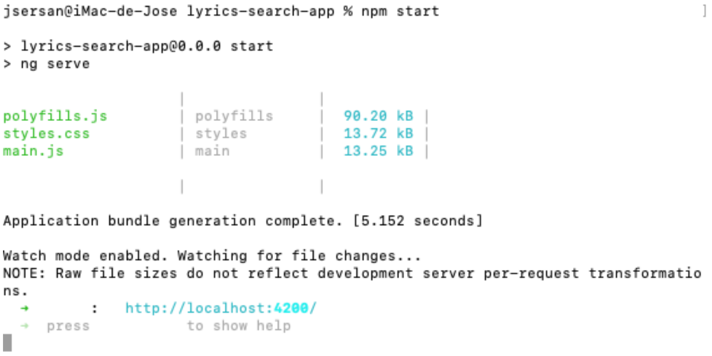
```
handleSearch (): void {
  if (!this.artist().trim() || !this.song().trim()) {
    this.error.set('Por favor, completa ambos campos')
    return
  }

  this.loading.set(true)
  this.error.set('')
  this.lyrics.set('')

  this.lyricsService.searchLyrics(this.artist(), this.song()).subscribe({
    next: data => {
      // Limpiar las letras: eliminar líneas vacías múltiples
      const cleanedLyrics = this.cleanLyrics(data.lyrics)
      this.lyrics.set(cleanedLyrics || 'No se encontraron letras')
      this.loading.set(false)
    },
    error: () => {
      this.error.set(
        'No se encontró la canción. Verifica el nombre del artista y la canción.'
      )
      this.loading.set(false)
    }
  })
}
```

El resto del código:



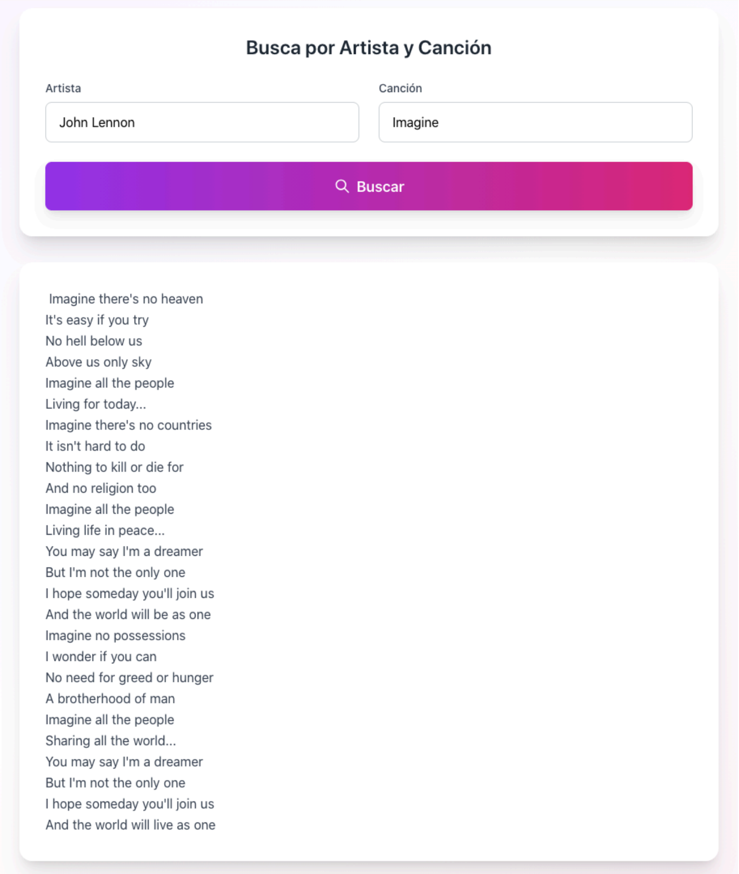
```
// Nuevo método para limpiar las letras
private cleanLyrics (lyrics: string): string {
  if (!lyrics) return ''

  // Eliminar múltiples saltos de línea consecutivos, dejando solo uno
  return lyrics
    .split('\n')
    .filter(line => line.trim() !== '' || line === '\n')
    .join('\n')
    .replace(/\n{3,}/g, '\n\n') // Máximo 2 saltos de línea consecutivos
    .trim()
}
```

Resultado:



```
jsersan@iMac-de-Jose lyrics-search-app % npm start

> lyrics-search-app@0.0.0 start
> ng serve

                    |               |
polyfills.js        | polyfills     |  90.20 kB |
styles.css          | styles        |  13.72 kB |
main.js             | main          |  13.25 kB |

                    |               |

Application bundle generation complete. [5.152 seconds]

Watch mode enabled. Watching for file changes...
NOTE: Raw file sizes do not reflect development server per-request transformatio
ns.
  ➜       :   http://localhost:4200/
  ➜  press            to show help
```

Resultado:



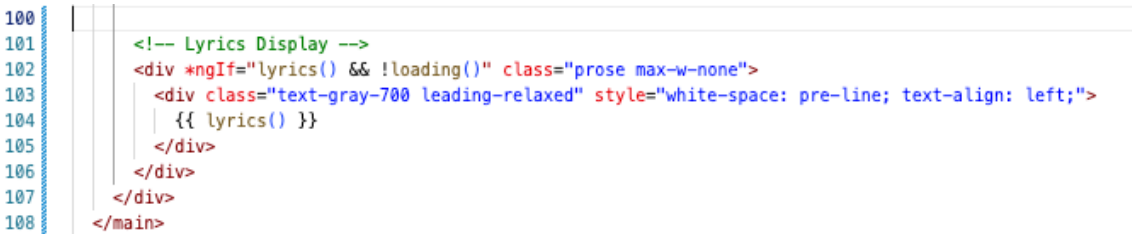
Busca por Artista y Canción

Artista: John Lennon

Canción: Imagine

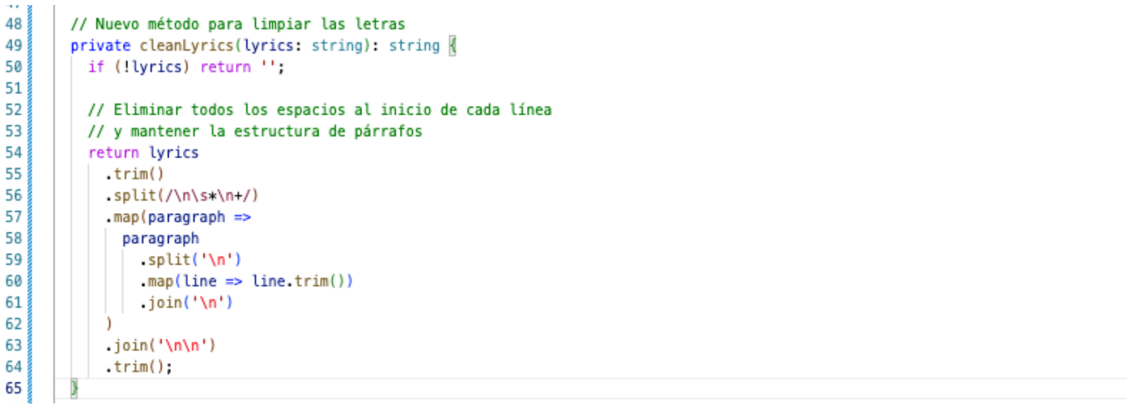
Imagine there's no heaven
It's easy if you try
No hell below us
Above us only sky
Imagine all the people
Living for today...
Imagine there's no countries
It isn't hard to do
Nothing to kill or die for
And no religion too
Imagine all the people
Living life in peace...
You may say I'm a dreamer
But I'm not the only one
I hope someday you'll join us
And the world will be as one
Imagine no possessions
I wonder if you can
No need for greed or hunger
A brotherhood of man
Imagine all the people
Sharing all the world...
You may say I'm a dreamer
But I'm not the only one
I hope someday you'll join us
And the world will live as one

Vemos que en la primera línea hay una tabulación. La quitamos. Modificamos el template:



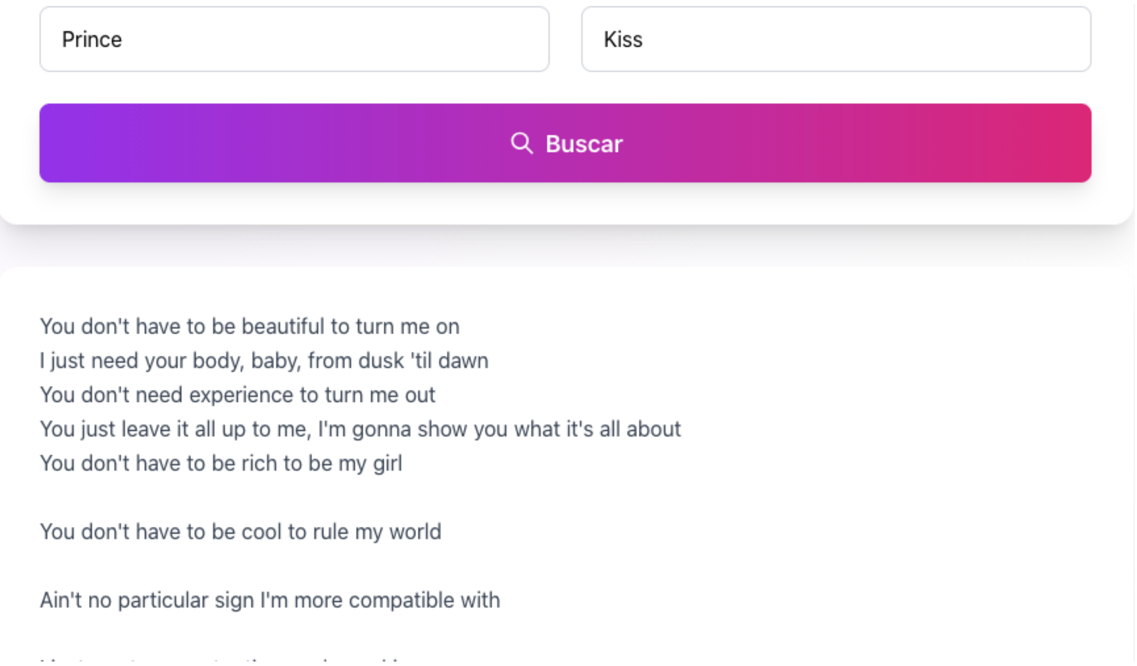
```

      <!-- Lyrics Display -->
      <div *ngIf="lyrics() && !loading()" class="prose max-w-none">
        <div class="text-gray-700 leading-relaxed" style="white-space: pre-line; text-align: left;">
          {{ lyrics() }}
        </div>
      </div>
    </div>
  </main>
```

La función cleanLyrics queda:



```
// Nuevo método para limpiar las letras
private cleanLyrics(lyrics: string): string {
  if (!lyrics) return '';

  // Eliminar todos los espacios al inicio de cada línea
  // y mantener la estructura de párrafos
  return lyrics
    .trim()
    .split(/\n\s*\n+/)
    .map(paragraph =>
      paragraph
        .split('\n')
        .map(line => line.trim())
        .join('\n')
    )
    .join('\n\n')
    .trim();
}
```

Hemos quitado el espacio de la primera línea:



Prince

Kiss

You don't have to be beautiful to turn me on
I just need your body, baby, from dusk 'til dawn
You don't need experience to turn me out
You just leave it all up to me, I'm gonna show you what it's all about
You don't have to be rich to be my girl

You don't have to be cool to rule my world

Ain't no particular sign I'm more compatible with