



**Análisis y Desarrollo De Software**

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# Sistema de diseño con Tailwind CSS

## **1. Crear el Repositorio en Git**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS OUTLINE powershell ▲ + ×  
● PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> git init  
-> git status  
Initialized empty Git repository in C:/Users/YURI/Documents/SENA/IV TRIMESTRE/FRONTED/Trabajos/proyectos/.git/  
On branch master  
  
No commits yet  
  
nothing to commit (create/copy files and use "git add" to track)  
● PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> git add .  
● PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> git commit -m "Initial commit"  
On branch master  
  
Initial commit  
  
nothing to commit (create/copy files and use "git add" to track)  
● PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> git status  
On branch master  
  
No commits yet  
  
nothing to commit (create/copy files and use "git add" to track)  
● PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> git remote add origin https://github.com/Yuri6575/sistema-de-diseno
```

## 2. Creación del proyecto Next.js con TypeScript

```
npx create-next-app@latest design-system --typescript --tailwind --eslint  
--app --src-dir --import-alias "@//*"
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS OUTLINE [powershell ▲ + × ]  
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> git remote -v  
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> npx create-next-app@latest design-system  
--typescript --tailwind --eslint --app --src-dir --import-alias "@//*"  
✓ Would you like to use React Compiler? ... No / Yes  
✓ Would you like to use Turbopack? (recommended) ... No / Yes  
Creating a new Next.js app in C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system.  
  
Using npm.  
  
Initializing project with template: app-tw  
  
Installing dependencies:  
- react  
- react-dom  
- next  
  
Installing devDependencies:  
- typescript  
- @types/node  
- @types/react  
- @types/react  
- @types/react-dom  
- @tailwindcss/postcss  
- tailwindcss  
- eslint  
- eslint-config-next  
  
added 359 packages, and audited 360 packages in 1m  
141 packages are looking for funding
```

### **3. Instalar dependencias adicionales**

```
npm install clsx class-variance-authority  
npm install -D @types/node
```

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

- Left Sidebar:** Shows the project structure for "design-system" with files like .next, app, node\_modules, public, .gitignore, eslint.config.mjs, next-env.d.ts, next.config.ts, package-lock.json, package.json, postcss.config.mjs, README.md, and tsconfig.json.
- Top Bar:** Includes icons for file operations (New File, Open File, Open Folder, Clone Git Repository, Connect to, Generate New Workspace), search, and other settings.
- Right Sidebar:** Features "Walkthroughs" with links to "Get started with VS Code" and "Get Started With GitLens", and "Learn the Fundamentals".
- Terminal:** Displays the command line output of the following npm commands:

```
npx create-next-app@latest design-system
npm notice To update run: npm install -g npm@11.6.2
npm notice
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> cd design-system
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos> npm install clsx class-variance-authority

added 2 packages, and audited 362 packages in 4s

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

found 0 vulnerabilities
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system> npm install -D @types/node

up to date, audited 362 packages in 3s

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

found 0 vulnerabilities
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system>
```
- Bottom Bar:** Includes tabs for PROYECTOS, TIMELINE, and other workspace-related icons.

## 4. Configuración de Tailwind CSS v4

```
npx @tailwindcss/cli init -p
```

*npm list @tailwindcss/cli*

```
PROBLEMS OUTPUT TERMINAL ...
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system> npx @tailwindcss/cli@4.1.17
Need to install the following packages:
@tailwindcss/cli@4.1.17
Ok to proceed? (y) Y

≈ tailwindcss v4.1.17

Invalid command: init

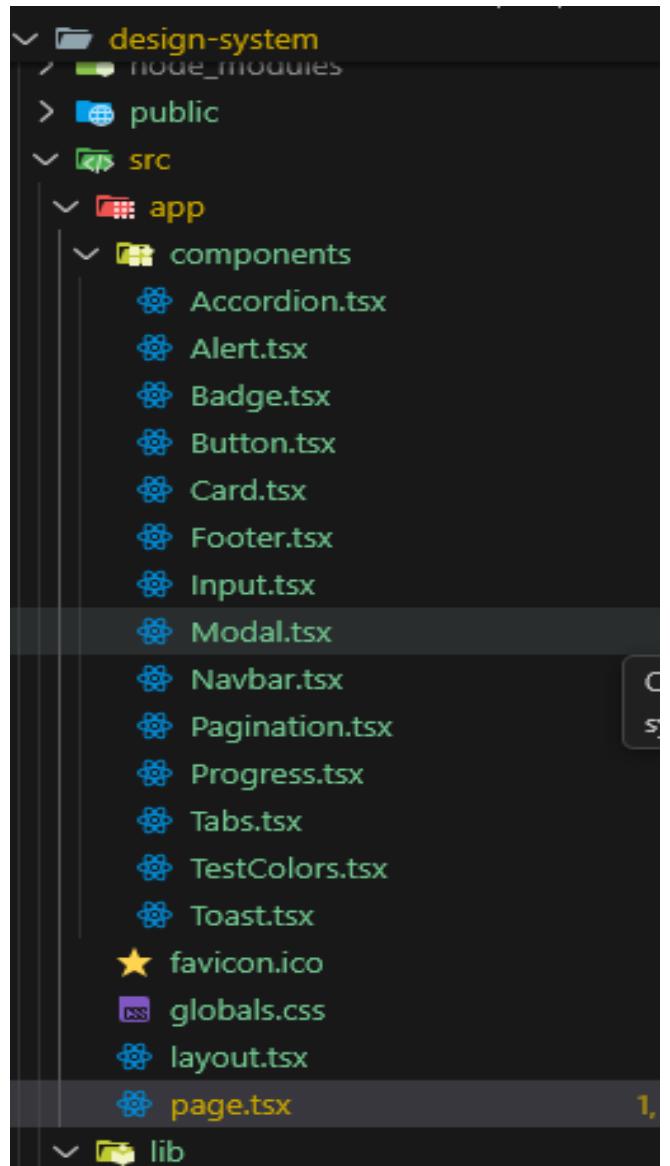
Usage:
  tailwindcss [options]

Options:
  -i, --input ..... Input file
  -o, --output ..... Output file [default: `.`]
  -w, --watch[=always] ..... Watch for changes and rebuild as needed, and use `always` to keep watching when stdn is closed
  -m, --minify ..... Optimize and minify the output
    --optimize ..... Optimize the output without minifying
    -- cwd ..... The current working directory [default: `.`]
    --map ..... Generate a source map [default: `false`]
  -h, --help ..... Display usage information
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system> npm list @tailwindcss/cli
design-system@0.1.0 C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system
```

## Agregar tailwind a los css globales

```
design-system > src > app > globals.css >
1  @import "tailwindcss";
2  @tailwind base;
3  @tailwind components;
4  @tailwind utilities;
5
```

## 5. Creación de carpeta componentes archivos Footer ,Navbar



## 6. Correr el servidor de desarrollo

*npm run dev*

```
PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system> npm run dev

⚠Warning: Next.js inferred your workspace root, but it may not be correct.
We detected multiple lockfiles and selected the directory of C:\Users\YURI\package-lock.json as the root directory.
To silence this warning, set `turbopack.root` in your Next.js config, or consider removing one of the lockfiles if it's not needed.
See https://nextjs.org/docs/app/api-reference/config/next-config-js/turbopack#root-directory for more information.

Detected additional lockfiles:
* C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system\package-lock.json

▲ Next.js 16.0.1 (Turbopack)
- Local:      http://localhost:3000
- Network:    http://192.168.101.4:3000

✓ Starting...
✓ Ready in 1957ms
```

## 7. Correr el repositorio en GitHub

```
design-system > .git > ⚡ COMMIT_EDITMSG
14 #
15 # Changes to be committed:
16 #   new file:  .gitignore
17 #   modified: README.md
18 #   new file:  eslint.config.mjs
19 #   new file:  next.config.ts
20 #   new file:  package-lock.json
21 #   new file:  package.json
22 #   new file:  postcss.config.js
23 #   new file:  public/file.svg
24 #   new file:  public/globe.svg
25 #   new file:  public/next.svg

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS OUTLINE powershell - design-syste

create mode 100644 src/css.d.ts
create mode 100644 src/lib/utils.ts
create mode 100644 tailwind.config.js
create mode 100644 tailwind.config.ts
create mode 100644 tsconfig.json

▶ PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system> git rebase --continue
Successfully rebased and updated refs/heads/main.
▶ PS C:\Users\YURI\Documents\SENA\IV TRIMESTRE\FRONTED\Trabajos\proyectos\design-system> git push origin main
To https://github.com/Yuri6575/sistema-de-diseno.git
```

