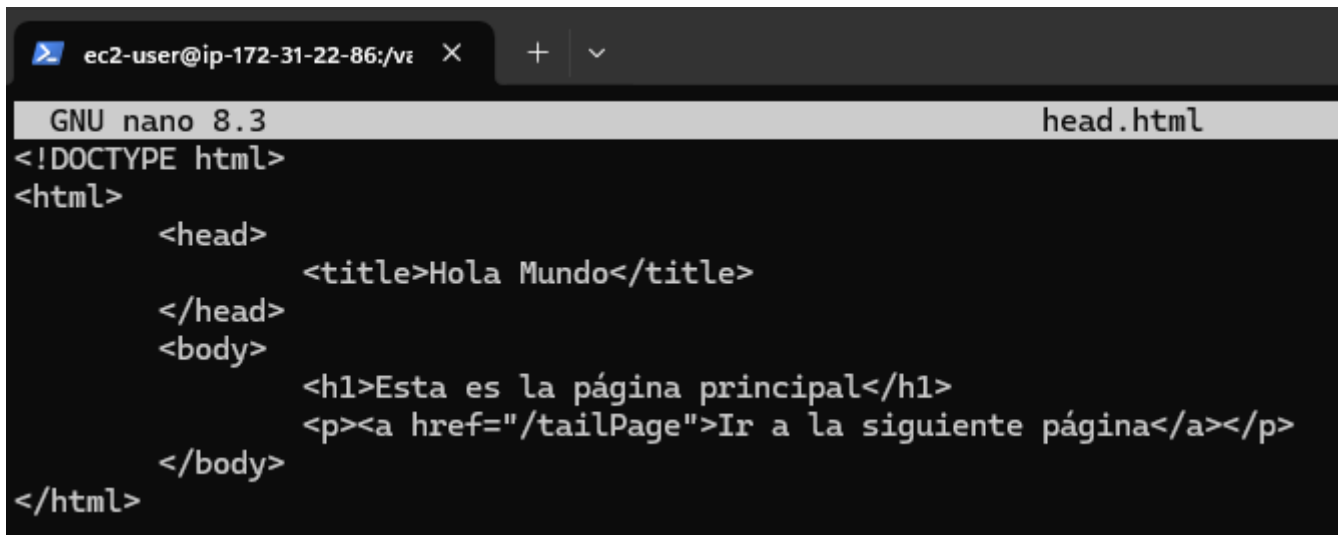


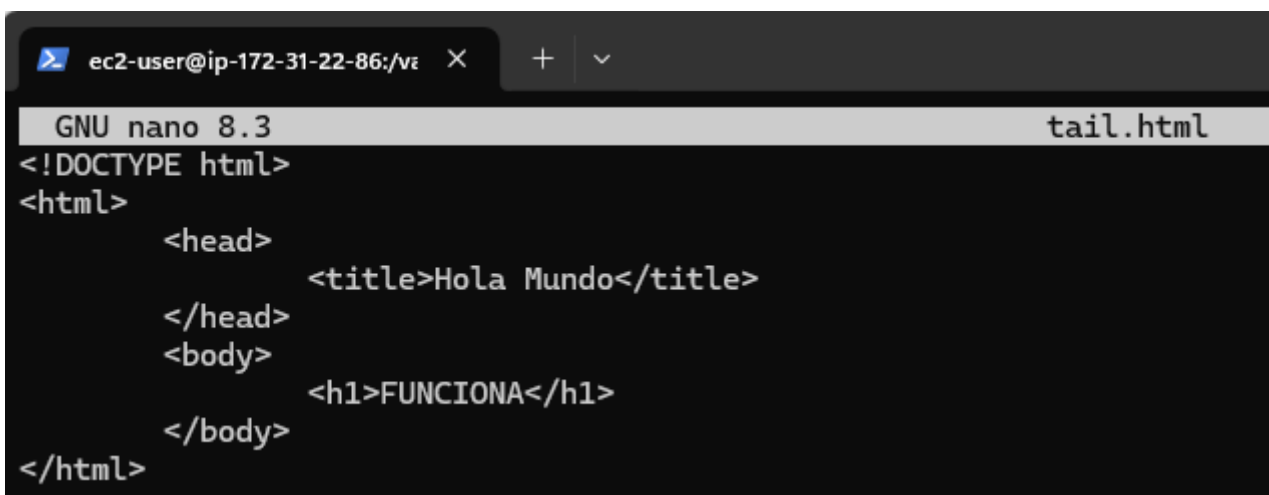
Actividades

1. Documenta la realización de toda esta práctica adecuadamente, con las explicaciones y justificaciones necesarias y las capturas de pantalla pertinentes.
 - 1.1. Creación de nuestra aplicación (Node.js)



The screenshot shows a terminal window with a dark background. At the top, the prompt is 'ec2-user@ip-172-31-22-86:/v...' followed by a terminal icon, a close button, and window controls. Below the prompt, a header bar indicates 'GNU nano 8.3' and the filename 'head.html'. The main area contains the following HTML code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Hola Mundo</title>
  </head>
  <body>
    <h1>Esta es la página principal</h1>
    <p><a href="/tailPage">Ir a la siguiente página</a></p>
  </body>
</html>
```



The screenshot shows a terminal window with a dark background. At the top, the prompt is 'ec2-user@ip-172-31-22-86:/v...' followed by a terminal icon, a close button, and window controls. Below the prompt, a header bar indicates 'GNU nano 8.3' and the filename 'tail.html'. The main area contains the following HTML code:

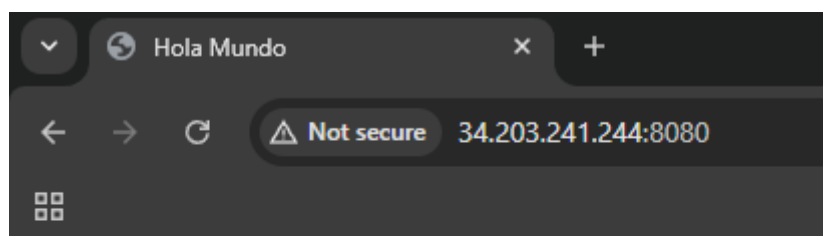
```
<!DOCTYPE html>
<html>
  <head>
    <title>Hola Mundo</title>
  </head>
  <body>
    <h1>FUNCIONA</h1>
  </body>
</html>
```

```
ec2-user@ip-172-31-22-86:/v$ X + v
GNU nano 8.3 aplicacion.js
var http = require('http');
var fs = require('fs'); // para obtener los datos del archivo html
var port = process.env.PORT || 8080;

http.createServer(function (req, res) {
    res.writeHead(200, { 'Content-Type': 'text/html' });

    // req.url almacena el path o ruta de la URL
    var url = req.url;
    if (url === "/" ) {
        // fs.readFile busca el archivo HTML
        // el primer parámetro es el path al archivo HTML
        // y el segundo es el callback de la función
        // si el archivo no se encuentra, la función devuelve un error
        // si el archivo se encuentra, el contenido del mismo se encuentra en pgres
        fs.readFile("head.html", function (err, pgres) {
            if (err)
                res.write("HEAD.HTML NOT FOUND");
            else {
                // Las siguientes 3 líneas
                // tienen la función de enviar el archivo html
                // y finalizar el proceso de respuesta
                res.writeHead(200, { 'Content-Type': 'text/html' });
                res.write(pgres);
                res.end();
            }
        });
    }
    else if (url === "/tailPage") {
        fs.readFile("tail.html", function (err, pgres) {
            if (err)
                res.write("TAIL.HTML NOT FOUND");
            else {
                res.writeHead(200, { 'Content-Type': 'text/html' });
                res.write(pgres);
                res.end();
            }
        });
    }
}).listen(port, function () {
    console.log("SERVER STARTED PORT: 8080");
});
```

```
ec2-user@ip-172-31-22-86:/v$ X + v
[ec2-user@ip-172-31-22-86 nodejs_app]$ sudo node aplicacion.js
SERVER STARTED PORT: 8080
```



Esta es la página principal

[Ir a la siguiente página](#)

```
ec2-user@ip-172-31-22-86: /v... X + v
[ec2-user@ip-172-31-22-86 nodejs_app]$ cat package.json
{
  "name": "nodejs_app",
  "version": "1.0.0",
  "main": "aplicacion.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node aplicacion.js"
  },
  "author": "",
  "license": "ISC",
  "description": ""
}
[ec2-user@ip-172-31-22-86 nodejs_app]$ npm start

> nodejs_app@1.0.0 start
> node aplicacion.js

SERVER STARTED PORT: 8080
```

1.2. Aplicación para Netlify

```
[ec2-user@ip-172-31-22-86 color-shades-generator]$ sudo npm install netlify-cli -g
npm warn deprecated npmlog@5.0.1: This package is no longer supported.
npm warn deprecated rimraf@3.0.2: Rimraf versions prior to v4 are no longer supported
npm warn deprecated are-we-there-yet@2.0.0: This package is no longer supported.
npm warn deprecated glob@8.1.0: Glob versions prior to v9 are no longer supported
npm warn deprecated gauge@3.0.2: This package is no longer supported.

changed 1147 packages in 17s

249 packages are looking for funding
  run `npm fund` for details
[ec2-user@ip-172-31-22-86 color-shades-generator]$ sudo netlify login
Already logged in via netlify config on your machine

Run netlify status for account details
or run netlify switch to switch accounts
To see all available commands run: netlify help

Update available 21.6.0 → 23.11.1
See what's new in the release notes (https://ntl.fyi/cli-versions)
Run npm i -g netlify-cli to update

[ec2-user@ip-172-31-22-86 color-shades-generator]$
```

```
[ec2-user@ip-172-31-22-86 color-shades-generator]$ sudo npm run build

> color-shades-generator@0.1.0 build
> react-scripts build

Creating an optimized production build...
Browserslist: caniuse-lite is outdated. Please run:
  npx browserslist@latest --update-db
  Why you should do it regularly: https://github.com/browserslist/browserslist#browsers-data-updating
Browserslist: caniuse-lite is outdated. Please run:
  npx browserslist@latest --update-db
  Why you should do it regularly: https://github.com/browserslist/browserslist#browsers-data-updating
Compiled successfully.

File sizes after gzip:

 48.93 kB  build/static/js/main.56aeaed6.js
 965 B     build/static/css/main.e106b4ce.css

The project was built assuming it is hosted at /.
You can control this with the homepage field in your package.json.

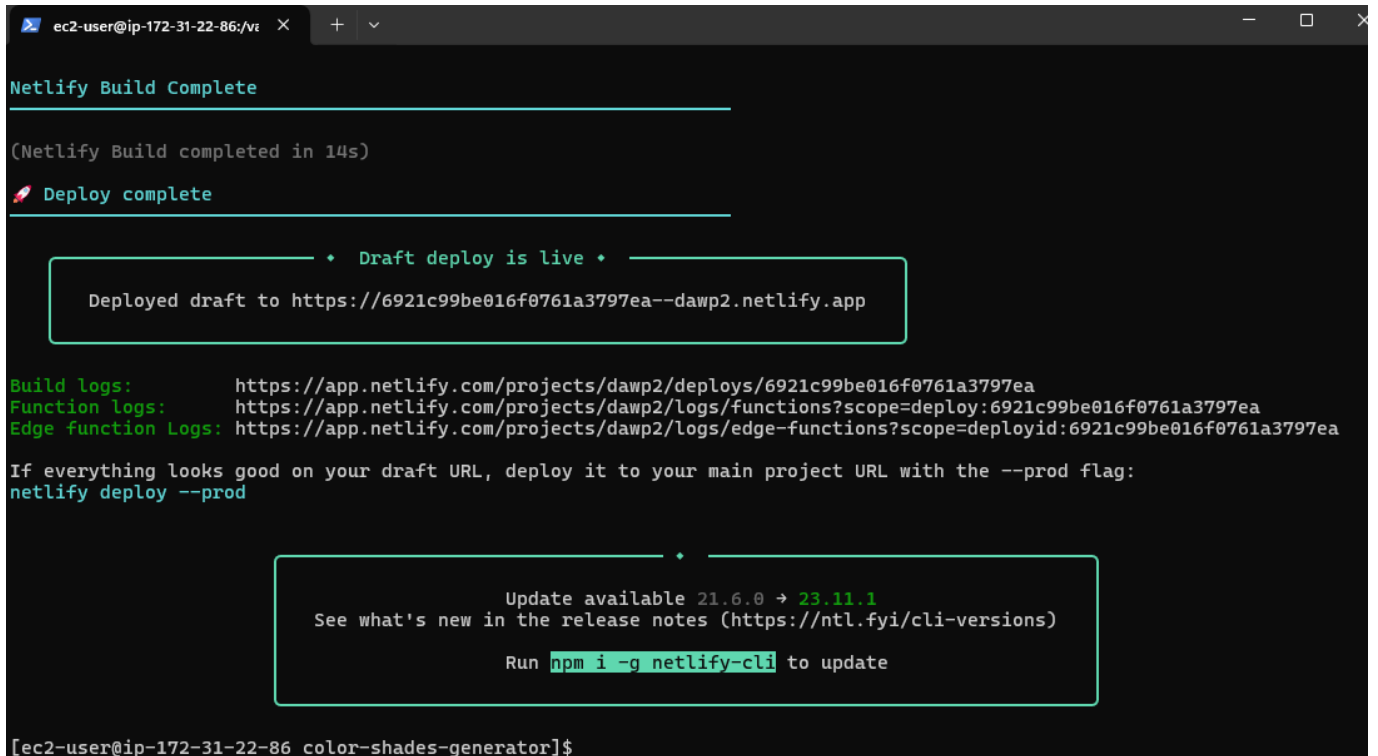
The build folder is ready to be deployed.
You may serve it with a static server:

  npm install -g serve
  serve -s build

Find out more about deployment here:

  https://cra.link/deployment

[ec2-user@ip-172-31-22-86 color-shades-generator]$
```



```
ec2-user@ip-172-31-22-86/vi x + v

Netlify Build Complete

(Netlify Build completed in 14s)

🚀 Deploy complete

• Draft deploy is live •

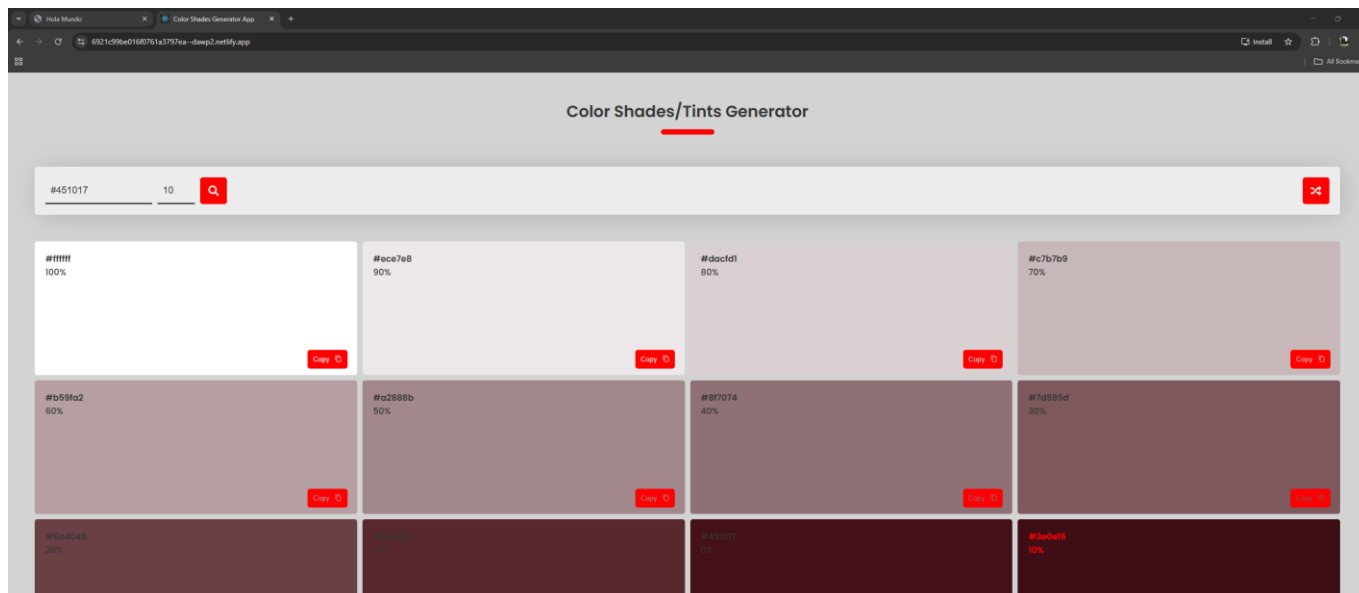
Deployed draft to https://6921c99be016f0761a3797ea--dawp2.netlify.app

Build logs: https://app.netlify.com/projects/dawp2/deloys/6921c99be016f0761a3797ea
Function logs: https://app.netlify.com/projects/dawp2/logs/functions?scope=deploy:6921c99be016f0761a3797ea
Edge function Logs: https://app.netlify.com/projects/dawp2/logs/edge-functions?scope=deployid:6921c99be016f0761a3797ea

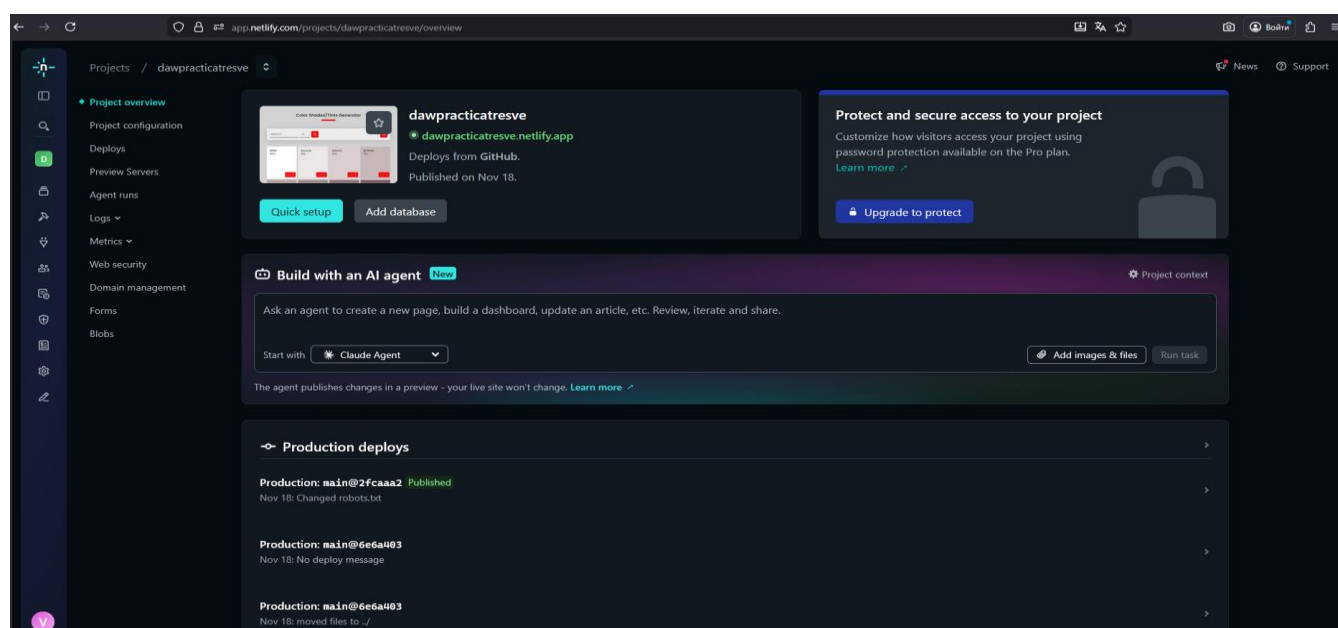
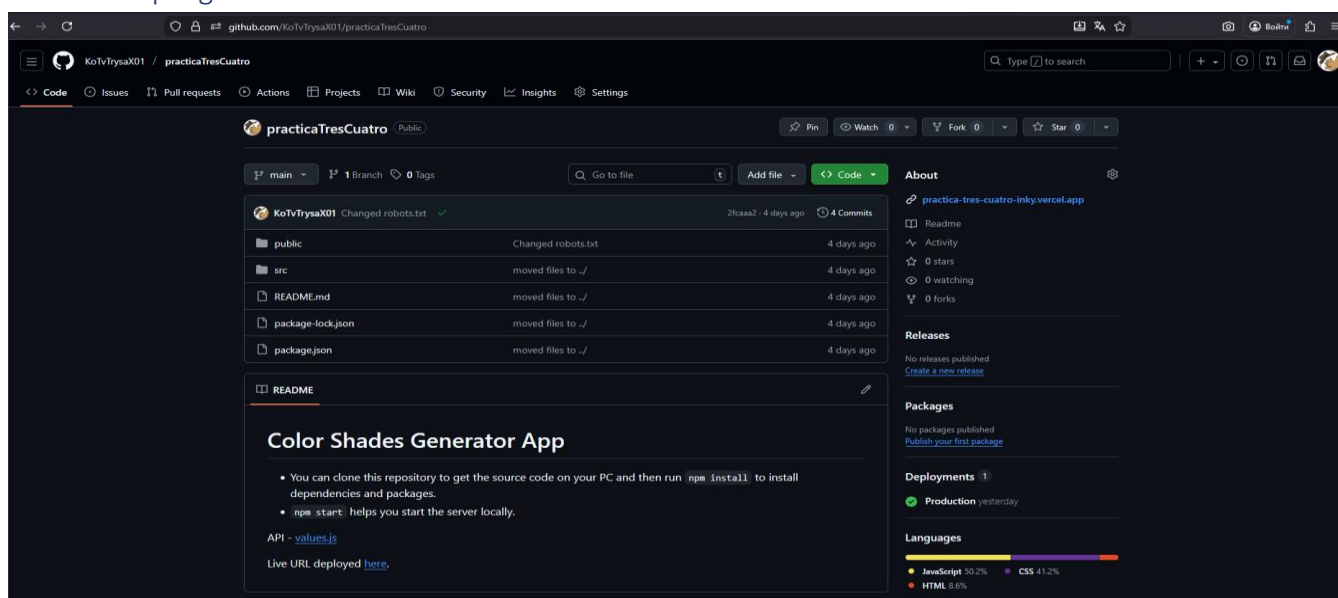
If everything looks good on your draft URL, deploy it to your main project URL with the --prod flag:
netlify deploy --prod

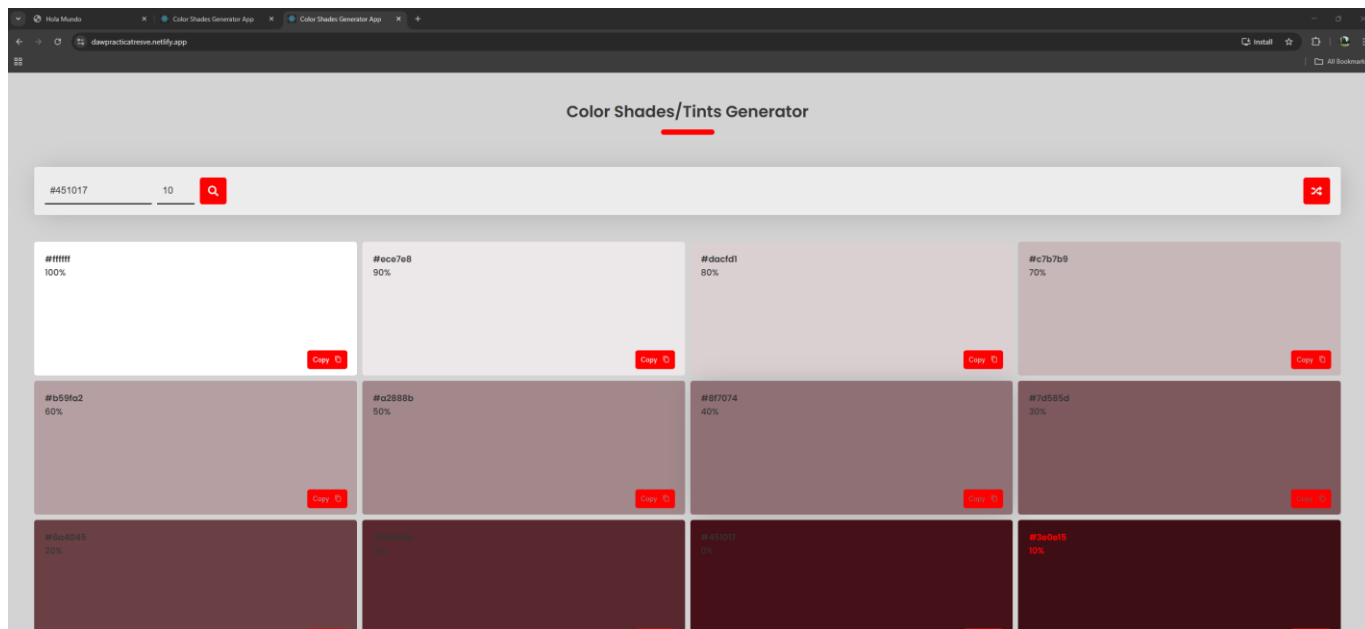
Update available 21.6.0 → 23.11.1
See what's new in the release notes (https://ntl.fyi/cli-versions)
Run npm i -g netlify-cli to update

[ec2-user@ip-172-31-22-86 color-shades-generator]$
```



1.3. Despliegue mediante conexión con GitHub





2. Repite y replica este proceso de despliegue en Vercel, otra plataforma PaaS.

