

# **React 19**



# **React 19**

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"Este libro está dedicado a todos los que aman aprender."



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# **1. React 19**

## 2. Instalar node

```
https://nodejs.org/en
```

```
cd /xampp/htdocs/react19
```

```
node -v
```

```
v22.14.0
```

```
npm -v
```

```
10.9.2
```

### 3. Proyecto 1

```
npm create vite@latest proyecto1 --template react
```

Need to install the following packages:  
create-vite@6.3.1  
Ok to proceed? (y)

Resultado de la consulta en el terminal:

```
|  
| * Select a framework:  
| | Vanilla  
| | Vue  
| | > React  
| | Preact  
| | Lit  
| | Svelte  
| | Solid  
| | Qwik  
| | Angular  
| | Others  
| -
```

```
|  
| o Select a framework:  
| | React  
| |  
| * Select a variant:  
| | TypeScript  
| | TypeScript + SWC  
| | > JavaScript  
| | JavaScript + SWC  
| | React Router v7 ↗  
| -
```

Resultado de la consulta en el terminal:

```
cd proyecto1  
npm install  
npm run dev
```

```
npm notice  
npm notice New major version of npm available! 10.9.2 -> 11.3.0  
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.3.0  
npm notice To update run: npm install -g npm@11.3.0  
npm notice
```

```
cd proyecto1
```

```
npm install
```

**Resultado de la consulta en el terminal:**

```
added 150 packages, and audited 151 packages in 8s  
30 packages are looking for funding  
  run `npm fund` for details  
found 0 vulnerabilities
```

```
npm run dev
```

**Resultado de la consulta en el terminal:**

```
VITE v6.2.5 ready in 248 ms  
→ Local: http://localhost:5173/  
→ Network: use --host to expose  
→ press h + enter to show help
```

```
C:\xampp\htdocs\react19\proyecto1 └── .gitignore └── README.md  
eslint.config.js └── index.html └── package-lock.json └── package.json └── public └──  
└── vite.svg └── src └── App.css └── App.jsx └── assets └── react.svg └──  
index.css └── main.jsx └── vite.config.js
```

Parsed Files: -----

File: C:/xampp/htdocs/react19/proyecto1/eslint.config.js -----  
----- import js from '@eslint/js' import globals from 'globals' import reactHooks  
from 'eslint-plugin-react-hooks' import reactRefresh from 'eslint-plugin-react-refresh'  
  
export default [ { ignores: ['dist'] }, { files: ['\*.js,jsx'], languageOptions: { ecmaVersion: 2020, globals: globals.browser, parserOptions: { ecmaVersion: 'latest', ecmaFeatures: { jsx: true }, sourceType: 'module' }, }, plugins: { 'react-hooks': reactHooks, 'react-refresh': reactRefresh, }, rules: { ...js.configs.recommended.rules, ...reactHooks.configs.recommended.rules, 'no-unused-vars': [ 'error', { varsIgnorePattern: '^[A-Z\_]' } ], 'react-refresh/only-export-components': [ 'warn', { allowConstantExport: true } ], }, }, ]

File: C:/xampp/htdocs/react19/proyecto1/index.html -----

File: C:/xampp/htdocs/react19/proyecto1/vite.config.js -----  
----- import { defineConfig } from 'vite' import react from '@vitejs/plugin-react'  
  
// https://vite.dev/config/ export default defineConfig({ plugins: [react()], })

File: C:/xampp/htdocs/react19/proyecto1/src/App.css -----

```
-- #root { max-width: 1280px; margin: 0 auto; padding: 2rem; text-align: center; }

.logo { height: 6em; padding: 1.5em; will-change: filter; transition: filter 300ms; }
.logo:hover { filter: drop-shadow(0 0 2em #646cffaa); }
.logo.react:hover { filter: drop-shadow(0 0 2em #61dafbaa); }

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

@media (prefers-reduced-motion: no-preference) { a:nth-of-type(2) .logo { animation: logo-spin infinite 20s linear; } }

.card { padding: 2em; }

.read-the-docs { color: #888; }
```

File: C:/xampp/htdocs/react19/proyecto1/src/index.css -----

```
:root { font-family: system-ui, Avenir, Helvetica, Arial, sans-serif; line-height: 1.5; font-weight: 400;

color-scheme: light dark; color: rgba(255, 255, 255, 0.87); background-color: #242424;

font-synthesis: none; text-rendering: optimizeLegibility; -webkit-font-smoothing: antialiased; -moz-osx-font-smoothing: grayscale; }

a { font-weight: 500; color: #646cff; text-decoration: inherit; }
a:hover { color: #535bf2; }

body { margin: 0; display: flex; place-items: center; min-width: 320px; min-height: 100vh; }

h1 { font-size: 3.2em; line-height: 1.1; }

button { border-radius: 8px; border: 1px solid transparent; padding: 0.6em 1.2em; font-size: 1em; font-weight: 500; font-family: inherit; background-color: #1a1a1a; cursor: pointer; transition: border-color 0.25s; }
button:hover { border-color: #646cff; }
button:focus, button:focus-visible { outline: 4px auto -webkit-focus-ring-color; }

@media (prefers-color-scheme: light) { :root { color: #213547; background-color: #ffffff; }
a:hover { color: #747bff; }
button { background-color: #f9f9f9; } }

import { useState } from 'react'
import reactLogo from './assets/react.svg'
import viteLogo from './vite.svg'
import './App.css'

function App() {
  const [count, setCount] = useState(0)

  return (
    <>
```

## 4. Este es mi proyecto

Este es un texto

)}

export default App

```
import { useState } from 'react'
import reactLogo from './assets/react.svg'
import viteLogo from '/vite.svg'
import './App.css'

function App() {
  const [count, setCount] = useState(0)

  return (
    <div>
      <h1>Este es mi proyecto</h1>
      <p>Este es un texto</p>
    </div>
  )
}

export default App
```

```
*{text-align:center;}
div{margin:auto;}
h1{color:red;}
p{color:blue;}
```

```
<!doctype html>
<html>
  <head>
    <style>
      body{
        font-family:sans-serif;
      }
      button{
        background:blue;
        color:white;
        padding:10px;
        border-radius:5px;
        border:none;
      }
      #contador{
        padding:10px;
      }
    </style>
  </head>
  <body>
    <div id="componente">
      <button>Pulsame</button>
      <div id="contador"></div>
    </div>
    <script>
      let contador = 1;
      document.querySelector("button").onclick = function(){
        contador++;
        document.querySelector("#contador").textContent = "Contador:" + c
      }
    </script>
  </body>
</html>
```

```
C:\xampp\htdocs\react19>npm create vite@latest proyecto3 --template react
```

```
> npx
> cva proyecto3 react

|
o Select a framework:
| React
|
o Select a variant:
| JavaScript
|
o Scaffolding project in C:\xampp\htdocs\react19\proyecto3...
|
- Done. Now run:

  cd proyecto3
  npm install
  npm run dev
```

===== CODE ANALYSIS REPORT =====

Project Directory Map:

```
-----  
C:\xampp\htdocs\react19\proyecto3  
├── .gitignore  
├── README.md  
├── eslint.config.js  
├── index.html  
├── package-lock.json  
├── package.json  
└── public  
    └── vite.svg  
├── src  
    ├── App.css  
    ├── App.jsx  
    ├── ContadorComponent.css  
    ├── ContadorComponent.jsx  
    ├── assets  
    │   └── react.svg  
    ├── index.css  
    └── main.jsx  
└── vite.config.js
```

Parsed Files:

```
-----  
File: C:/xampp/htdocs/react19/proyecto3/eslint.config.js
```

```
-----  
import js from '@eslint/js'  
import globals from 'globals'  
import reactHooks from 'eslint-plugin-react-hooks'  
import reactRefresh from 'eslint-plugin-react-refresh'  
  
export default [  
  { ignores: ['dist'] },  
  {  
    files: ['**/*.{js,jsx}'],  
    languageOptions: {  
      ecmaVersion: 2020,  
      globals: globals.browser,  
      parserOptions: {  
        ecmaVersion: 'latest',  
        ecmaFeatures: { jsx: true },  
        sourceType: 'module',  
      },  
    },  
    plugins: {  
      'react-hooks': reactHooks,  
      'react-refresh': reactRefresh,  
    },  
    rules: {  
      ...js.configs.recommended.rules,  
      ...reactHooks.configs.recommended.rules,  
      'no-unused-vars': ['error', { varsIgnorePattern: '^[A-Z_]' }],  
      'react-refresh/only-export-components': [  
    }
```

```
        'warn',
        { allowConstantExport: true },
    ],
},
],
]

File: C:/xampp/htdocs/react19/proyecto3\index.html
-----
<!doctype html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <link rel="icon" type="image/svg+xml" href="/vite.svg" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Vite + React</title>
  </head>
  <body>
    <div id="root"></div>
    <script type="module" src="/src/main.jsx"></script>
  </body>
</html>
```

File: C:/xampp/htdocs/react19/proyecto3\vite.config.js

```
import { defineConfig } from 'vite'
import react from '@vitejs/plugin-react'

// https://vite.dev/config/
export default defineConfig({
  plugins: [react()],
})
```

File: C:/xampp/htdocs/react19/proyecto3\src\App.css

```
#root{
  font-family:sans-serif;
}
button{
  background:blue;
  color:white;
  border:none;
  padding:10px;
  border-radius:10px;
}
```

File: C:/xampp/htdocs/react19/proyecto3\src\index.css

===== DATABASE ANALYSIS REPORT =====  
No SQLite database selected.

## 5. Proyecto 4

```
<!doctype html>
<html>
    <head>
        <style>
            body{
                font-family:sans-serif;
            }
            button{
                background:blue;
                color:white;
                padding:10px;
                border-radius:5px;
                border:none;
            }
            div{
                padding:10px;
            }
        </style>
    </head>
    <body>
        <div id="componente1">
            <button>Pulsame</button>
        </div>
        <div id="componente2">
            Hola que tal
        </div>
        <script>
            document.querySelector("#componente1 button").onclick = function(){
                document.querySelector("#componente2").style.background = "red"
            }
        </script>
    </body>
</html>
```

## 6. Proyecto 5

```
>npm create vite@latest proyecto5 --template react
```

```
| o Select a framework: | React | o Select a variant: | JavaScript | o Scaffolding project in  
C:\xampp\htdocs\react19\proyecto5... | — Done. Now run:
```

```
cd proyecto5 npm install npm run dev
```

## 7. Proyecto 6

```
npm create vite@latest proyecto6 --template react
```

```
|  
o Select a framework:  
| React  
|  
o Select a variant:  
| JavaScript  
|  
o Scaffolding project in C:\xampp\htdocs\react19\proyecto6...  
|  
- Done. Now run:  
  
  cd proyecto6  
  npm install  
  npm run dev
```

sequenceDiagram participant U as User participant C1 as Componente1 participant APP as App (Parent) participant C2 as Componente2

U->>C1: Click "Pulsame" C1->>APP: Call onButtonClick() APP->>APP: Update bgColor state ("red") APP->>C2: Pass updated bgColor prop C2->>C2: Re-render with bgColor "red"

```
npm run build
```

**Resultado de la consulta en el terminal:**

```
> proyecto6@0.0.0 build  
> vite build  
  
vite v6.2.5 building for production...  
✓ 32 modules transformed.  
dist/index.html          0.46 kB | gzip:  0.29 kB  
dist/assets/index-D0rXqLAn.css  1.05 kB | gzip:  0.53 kB  
dist/assets/index-BGGujUwm.js 187.67 kB | gzip: 59.06 kB  
✓ built in 911ms
```

## 8. Proyecto 7

```
<!doctype html>
<html>
  <head>
    <meta charset="utf-8">
    <style>
      /* Reset some basic browser styles */
      * {
        margin: 0;
        padding: 0;
        box-sizing: border-box;
      }

      body {
        font-family: 'Arial', sans-serif;
        color: #333;
        line-height: 1.6;
        background: #f4f4f4;
      }

      /* Header styling with a modern gradient */
      header {
        background: linear-gradient(to right, #1e90ff, #00bfff);
        padding: 20px;
        color: #fff;
        text-align: center;
      }

      /* Header titles */
      header h1 {
        font-size: 2.5em;
        margin-bottom: 5px;
      }

      header h2 {
        font-size: 1.5em;
        font-weight: 300;
        margin-bottom: 15px;
      }

      /* Navigation menu styling */
      nav {
        margin-top: 10px;
      }

      nav button {
        background: transparent;
        border: 2px solid #fff;
        color: #fff;
        padding: 10px 20px;
        margin: 0 5px;
        font-size: 1em;
        cursor: pointer;
      }
```

```
        transition: all 0.3s ease;
    }

nav button:hover,
nav button:focus {
    background: #fff;
    color: #00bfff;
}

/* Main content area */
main {
    max-width: 1000px;
    margin: 30px auto;
    padding: 20px;
    background: #fff;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    border-radius: 8px;
}

/* Section content styling with fade-in effect */
main div {
    display: none;
    opacity: 0;
    animation: fadeIn 0.5s forwards;
}

main div.active {
    display: block;
}

/* Keyframes for fade-in animation */
@keyframes fadeIn {
    from { opacity: 0; }
    to { opacity: 1; }
}

/* Footer styling */
footer {
    text-align: center;
    padding: 10px;
    background: #333;
    color: #fff;
    margin-top: 30px;
}


```

</style>

```
</head>
<body>
    <header>
        <h1>Mi web</h1>
        <h2>Subtítulo de mi web</h2>
        <nav>
            <button id="seccioninicio">Inicio</button>
            <button id="seccionquiensoy">Quien soy</button>
            <button id="seccionproyectos">Proyectos</button>
        </nav>
    </header>
```

```
</header>
<main>
    <div id="inicio">
        Esta es la página de inicio
    </div>
    <div id="quiensoy">
        Esta es la página de quien soy
    </div>
    <div id="proyectos">
        Esta es la página de proyectos
    </div>
</main>
<footer>
</footer>
<script>
    document.addEventListener("DOMContentLoaded", () => {
        // Select all navigation buttons and content sections
        const buttons = document.querySelectorAll("nav button");
        const sections = document.querySelectorAll("main > div");

        // Function to display the given section and hide the others
        function showSection(sectionId) {
            sections.forEach(section => {
                // Remove the active class from all sections
                section.classList.remove("active");
            });
            // Add the active class to the section that matches the sectionId
            const targetSection = document.getElementById(sectionId);
            if (targetSection) {
                targetSection.classList.add("active");
            }
        }

        // Add click event listeners to each button
        buttons.forEach(button => {
            button.addEventListener("click", () => {
                // Convert the button id (e.g., "seccioninicio") to the relative sectionId
                const sectionId = button.id.replace("seccion", "");
                showSection(sectionId);
                // Optionally update the browser hash (URL fragment)
                window.location.hash = sectionId;
            });
        });

        // Check the URL for a hash value on initial load
        const initialSection = window.location.hash.substring(1) || "inicio";
        showSection(initialSection);
    });
</script>
</body>
</html>
```

## 9. Proyecto 8

```
npm create vite@latest proyecto8 --template react
```

```
| o Select a framework: | React | o Select a variant: | JavaScript | o Scaffolding project in  
C:\xampp\htdocs\react19\proyecto8... | — Done. Now run:
```

```
cd proyecto8 npm install npm run dev
```

## 10. proyecto 11

```
npm create vite@latest proyecto11 --template react
```

```
| o Select a framework: | React | o Select a variant: | JavaScript | o Scaffolding project in  
C:\xampp\htdocs\react19\proyecto11... | — Done. Now run:
```

```
cd proyecto11 npm install npm run dev
```

# 11. Proyecto 12

```
npm create vite@latest proyecto12 --template react
```

```
npx
```

```
cva proyecto12 react
```

```
| o Select a framework: | React | o Select a variant: | JavaScript | o Scaffolding project in  
C:\xampp\htdocs\react19\proyecto12... | — Done. Now run:
```

```
cd proyecto12 npm install npm run dev
```

```
npm install effector effector-react
```