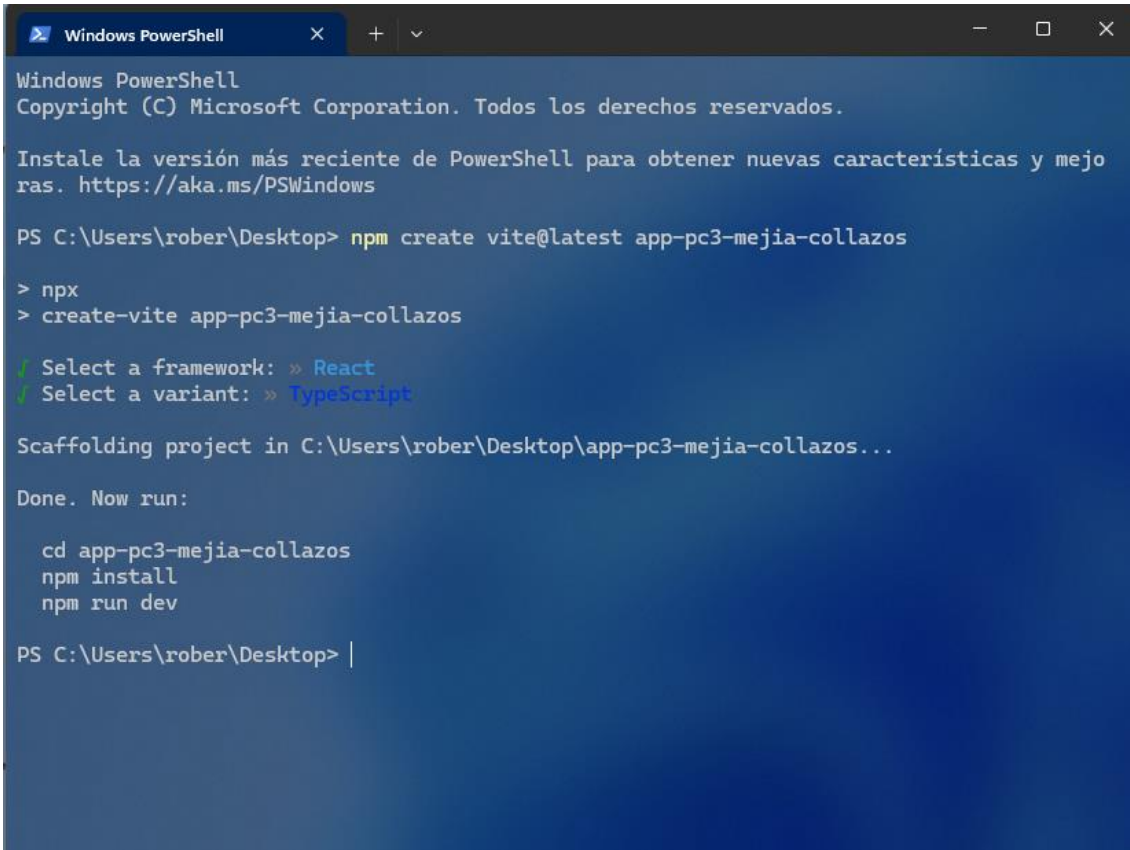


Alumno: Roberto Agustín Mejía Collazos

npm create vite@latest app-pc3-mejia-collazos



```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\rober\Desktop> npm create vite@latest app-pc3-mejia-collazos

> npx
> create-vite app-pc3-mejia-collazos

✔ Select a framework: » React
✔ Select a variant: » TypeScript

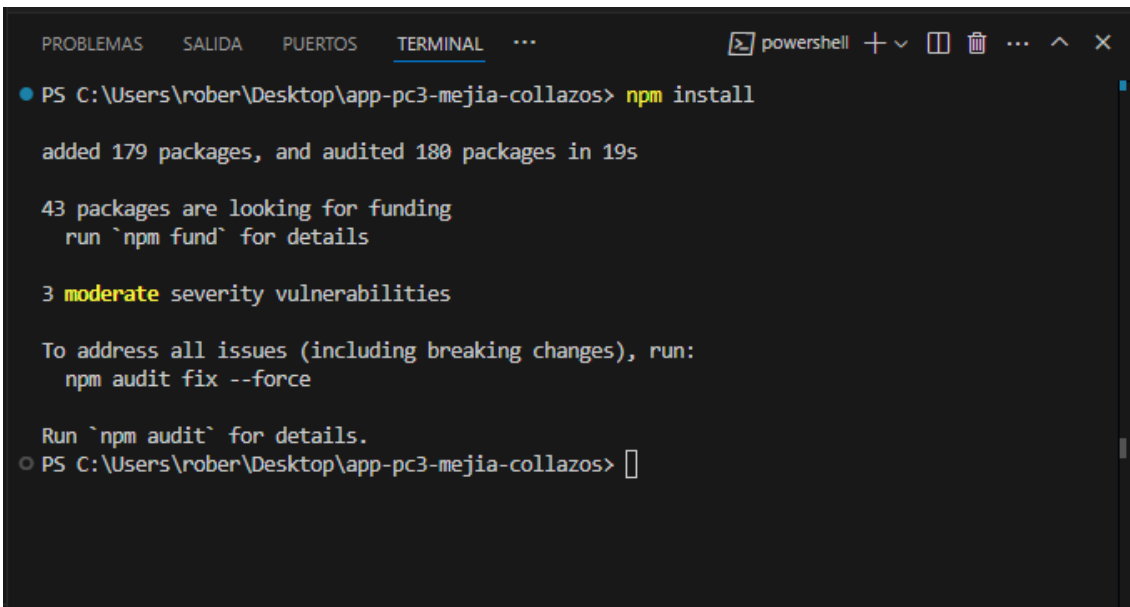
Scaffolding project in C:\Users\rober\Desktop\app-pc3-mejia-collazos...

Done. Now run:

  cd app-pc3-mejia-collazos
  npm install
  npm run dev

PS C:\Users\rober\Desktop> |
```

npm install



```
PROBLEMAS  SALIDA  PUERTOS  TERMINAL  ...
powershell + v [ ] [ ] ... ^ x

● PS C:\Users\rober\Desktop\app-pc3-mejia-collazos> npm install

added 179 packages, and audited 180 packages in 19s

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

3 moderate severity vulnerabilities

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

Run `npm audit` for details.
○ PS C:\Users\rober\Desktop\app-pc3-mejia-collazos> [ ]
```

npm i bootstrap

```
Run `npm audit` for details.
PS C:\Users\rober\Desktop\app-pc3-mejia-collazos> npm i bootstrap

added 2 packages, and audited 182 packages in 2s

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

3 moderate severity vulnerabilities

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

Run `npm audit` for details.
PS C:\Users\rober\Desktop\app-pc3-mejia-collazos> 
```

```
App.tsx  index.css  App.css  Home.tsx  Albums.tsx  NotFound.tsx
src > index.css
1  @import url('https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css');
```

npm i react-router-dom

```
PS C:\Users\rober\Desktop\app-pc3-mejia-collazos> npm i react-router-dom

added 6 packages, and audited 188 packages in 3s

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

3 moderate severity vulnerabilities

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

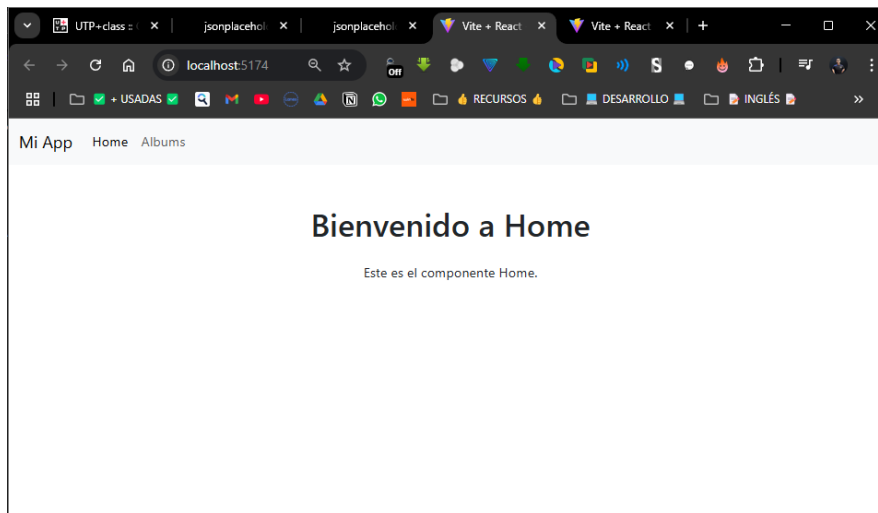
Run `npm audit` for details.
PS C:\Users\rober\Desktop\app-pc3-mejia-collazos> 
```

Componente home

```
import { FC } from "react";

const Home : FC = () =>{
  return (
    <div className="container mt-5">
      <h1 className="text-center mb-4">Bienvenido a Home</h1>
      <p className="text-center">Este es el componente Home.</p>
      <p className="text-center">PC 3 - Alumno: Roberto Agustín Mejía Collazos.</p>
    </div>
  );
};

export default Home;
```



Componente album

```
import { FC, Fragment, useEffect, useState } from "react";

const FetchService: FC = () => {
  const [albums, setAlbums] = useState<any>(null);

  useEffect(() => {
    fetch('https://jsonplaceholder.typicode.com/albums')
      .then(response => response.json())
      .then(json => setAlbums(json))
      .catch(e => console.error("Error:", e));
  }, []);

  return (<>
    <h5>Consumo con Fetch</h5>
    <table className="table">
      <thead>
        <tr>
          <th>ID</th>
          <th>ID del usuario</th>
          <th>Título del album</th>
        </tr>
      </thead>
      <tbody>
        {
          albums
            ? <Fragment>{albums.map((album: any, i:number) => (
              <tr key={i}>
                <th>{album.id}</th>
                <th>{album.userId}</th>
                <td>{album.title}</td>
              </tr>
            ))}
            : <tr><th colspan={3}>Cargando datos</th></tr>
          }
        </tbody>
      </table>
      <hr />
    </>)
}
```

```
};  
  
export default FetchService;
```

UTP+class x jsonplaceholder x jsonplaceholder x Vite + React x Vite + React x +

localhost:5174/al... Off

USADAS

RECURSOS

DESARROLLO

INGLÉS

Mi App Home Albums

Consumo con Fetch

ID	ID del usuario	Título del album
1	1	quidem molestiae enim
2	1	sunt qui excepturi placeat culpa
3	1	omnis laborum odio
4	1	non esse culpa molestiae omnis sed optio
5	1	eaque aut omnis a
6	1	natus impedit quibusdam illo est
7	1	quibusdam autem aliquid et et quia
8	1	qui fuga est a eum
9	1	saepe unde necessitatibus rem
10	1	distinctio laborum qui
11	2	quam nostrum impedit mollitia quod et dolor
12	2	consequatur autem doloribus natus consectetur
13	2	ab rerum non rerum consequatur ut ea unde
14	2	ducimus molestias eos animi atque nihil
15	2	ut pariatur rerum ipsum natus repellendus praesentium
16	2	voluptatem aut maxime inventore autem magnam atque repellat
17	2	aut minima voluptatem ut velit
18	2	nesciunt quia et doloremque
19	2	velit pariatur quaerat similique libero omnis quia
20	2	voluptas rerum iure ut enim
21	3	repudiandae voluptatem optio est consequatur rem in temporibus et
22	3	et rem non provident vel ut
23	3	incidunt quisquam hic adipisci sequi

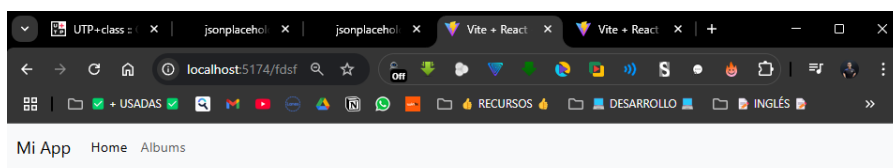
91	10	repellendus praesentium debitis officiis
92	10	incidunt et et eligendi assumenda soluta quia recusandae
93	10	nisi qui dolores perspiciatis
94	10	quisquam a dolores et earum vitae
95	10	consectetur vel rerum qui aperiam modi eos aspernatur ipsa
96	10	unde et ut molestiae est molestias voluptatem sint
97	10	est quod aut
98	10	omnis quia possimus nesciunt deleniti assumenda sed autem
99	10	consectetur ut id impedit dolores sit ad ex aut
100	10	enim repellat iste

Componente Not found

```
import { FC } from "react";

const NotFound: FC = () =>{
  return (
    <div className="container mt-5">
      <h1 className="text-center mb-4">Página no encontrada</h1>
      <p className="text-center">La página que buscas no existe.</p>
    </div>
  );
};

export default NotFound;
```



Página no encontrada

La página que buscas no existe.

App.tsx

```
import { BrowserRouter, Routes, Route, Link } from 'react-router-dom';
import Home from './components/Home';
import Albums from './components/Albums';
import NotFound from './components/NotFound';

function App() {
  return (
    <BrowserRouter>
      <nav className="navbar navbar-expand-lg navbar-light bg-light">
        <div className="container-fluid">
          <a className="navbar-brand" href="/">Mi App</a>
          <button className="navbar-toggler" type="button" data-bs-toggle="collapse"
            data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-
            label="Toggle navigation">
            <span className="navbar-toggler-icon"></span>
          </button>
          <div className="collapse navbar-collapse" id="navbarNav">
            <ul className="navbar-nav">
              <li className="nav-item">
                <Link className="nav-link active" aria-current="page"
                  to="/">Home</Link>
              </li>
              <li className="nav-item">
                <Link className="nav-link" to="/albums">Albums</Link>
              </li>
            </ul>
          </div>
        </div>
      </nav>
      <Routes>
        <Route path="/" element={Home} />
        <Route path="/albums" element={Albums} />
        <Route path="*" element={NotFound} />
      </Routes>
    </BrowserRouter>
  );
}
```

```

        </div>
      </div>
    </nav>
    <Routes>
      <Route path="/" element={<Home />} />
      <Route path="/albums" element={<Albums />} />
      <Route path="*" element={<NotFound />} />
    </Routes>
  </BrowserRouter>
);
}

export default App;

```

Cuadros Comparativos

Vite vs Create React App

Característica	Vite	Create React App
Velocidad de desarrollo	Más rápido	Más lento
Tamaño del paquete	Más pequeño	Más grande
Configuración	Más simple	Más compleja
Soporte para TypeScript	Sí	Sí
Soporte para CSS Modules	Sí	Sí
Soporte para JSX	Sí	Sí
Soporte para Hot Module Replacement (HMR)	Sí	Sí
Soporte para Server-Side Rendering (SSR)	Sí	Sí
Popularidad	Creciente	Establecida

JSX vs TSX

Característica	JSX	TSX
Tipado estático	No	Sí
Detección temprana de errores	No	Sí
Refactorización de código	Más difícil	Más fácil
Completación de código	Más limitada	Más completa
Curva de aprendizaje	Más fácil	Más difícil
Popularidad	Establecida	Creciente

npm run dev

```
Run `npm audit` for details.
PS C:\Users\rober\Desktop\app-pc3-mejia-collazos> npm run dev

> app-pc3-mejia-collazos@0.0.0 dev
> vite

Port 5173 is in use, trying another one...

VITE v6.1.1 ready in 1226 ms

  → Local:   http://localhost:5174/
  → Network: use --host to expose
  → press h + enter to show help
```

