

# ReactMon - A Pokémon React PWA

Welcome to **ReactMon**, a Progressive Web App (PWA) that allows users to browse a list of Pokémon and view their details, including their abilities, types, forms, and cards from the Pokémon Trading Card Game. This project is for a school course about Advanced Web Animations and was built using React, TypeScript, and various other libraries such as PrimeReact, Framer Motion, and Anime.js.

## Features

- Browse a list of all known Pokémon (except the 9th generation) and view their details
- Search for a specific Pokémon by name or ID
- View detailed information about a specific Pokémon, including their types, height, weight and stats
- View a selection of available Pokémon Trading Card Game (TCG) cards for a specific Pokémon
- Responsive design for optimal viewing on any device
- Animations and interactions to enhance the user experience

## Demo

You can view a [live demo](#) of the app deployed with [Vercel](#).

## Prerequisites

- [Pnpm](#)
- [Node.js](#)

## Optional

### Cloudflare Workers

The project, by default, calls the production URL of the proxy server. If you want to use your own proxy server, you can see instruction in the repository [README](#).

After setting up your own proxy server, you can change the URL in a `.env.local` file, next to the `.env` file, with the following content:

```
VITE_TCG_PROXY_URL=http://127.0.0.1:8787
```

## Installation

1. Clone the repository: `git clone https://github.com/yannickcpnv/reactmon.git`
2. Navigate to the directory: `cd reactmon`
3. Install the dependencies: `pnpm install`

# Usage

To start the development server, run the following command:

```
» pnpm dev
```

The app will be running on <http://localhost:3000> and will automatically reload if you make changes to the code.

## PWA

To install the app as a PWA, you can use the following steps:

1. Open the app in Chrome
2. Click on the "Install ReactMon" button in the address bar
3. Click on "Add" in the dialog that appears
4. The app will now be installed on your device
5. You can now launch the app from your device's home screen

## Built With

- [Pnpm](#) - Fast, disk space efficient package manager
- [Vite](#) - A development build tool and runtime for web apps
- [React](#) - A JavaScript library for building user interfaces
- [Anime.js](#) - A lightweight JavaScript animation library and allowing to create complex animations and use a timeline to animate multiple elements in a sequence
- [Framer Motion](#) - Animation library for React
- [Primereact](#) - A collection of rich UI components for React
- [React-query](#) - Hooks for fetching and caching asynchronous data in React
- [React-router](#) - Routing library for React

## Author

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## License

This project is not licensed, you can use it as you want, but that's all. I'm just doing this by default, but you can still contact me if you want to do something with it.

## Tools and Libraries

### Package Management

- [Pnpm](#) - Fast, disk space efficient package manager

## Development Build Tool and Runtime

- [Vite](#) - A development build tool and runtime for web apps

## Programming Language

- [TypeScript](#) - A strongly typed programming language that builds on JavaScript, giving you better tooling at any scale.

## UI Library

- [React](#) - A JavaScript library for building user interfaces

## Animation Libraries

- [Anime.js](#) - A lightweight JavaScript animation library and allowing to create complex animations and use a timeline to animate multiple elements in a sequence
- [Framer Motion](#) - Animation library for React

## UI Component Library

- [Primereact](#) - A collection of rich UI components for React

## Data Fetching and Caching

- [React-query](#) - Hooks for fetching and caching asynchronous data in React

## Routing

- [React-router](#) - Routing library for React

## APIs

- [PokeAPI](#) - An API for Pokémon data
- [Pokémon TCG API](#) - An API for Pokémon TCG data
- [Pokémon sprites repository](#) - A repository containing sprites for all Pokémon

## Cloudflare Workers

- [Cloudflare Workers](#) - A serverless platform for creating applications that live on the edge of the Cloudflare network. Used for proxying the Pokémon TCG API calls

## Performance Audit

- [Lighthouse](#) - An open-source, automated tool for improving the quality of web pages. Used for performance audits

## Deployment

- [Vercel](#) - A cloud platform for deploying front-end web apps easily and quickly. It can be used with GitHub to automatically deploy the app when pushing to code to the repository

